

Catalogue

2024

EURAQUA

Mw Pollet Water Group



FACTS & FIGURES

1975

FOUNDED

35

EMPLOYEES

+9000

PRODUCTS

MEET EURAQUA

High Quality Water Treatment

Euraqua Europe, member of the Pollet Water Group, has over 40 years of experience in water treatment. We specialise in the distribution, production and assembly of water treatment solutions for domestic, commercial and industrial applications.

We offer a wide range of high-quality products, including softeners, point-of-use systems, reverse osmosis units, iron and nitrate removal units, filtration units, UV systems, membranes and much more.

We specialise in the assembly of components for full solutions. We are proud to offer you customization under your private label or deliver

you one of our established brands. Thanks to the support of our technical experts team, we can find the perfect water solution for every problem.

Euraqua is build around 3 strong pillars:

- We operate as a true partner towards customers & suppliers
- We are a one-stop-shop
- We act global

More on Euraqua



PART OF Pollet Water Group

Pollet Water Group is a worldwide water specialist, offering products, solutions and brands for the home market, hospitality, commercial buildings and industry.

28

5 manufacturers &
21 distribution offices &
2 engineering companies

14

Specialised water treatment
companies in 14 countries



Serving customers
worldwide



In-house research & product
development



Products, solutions & brands
for the domestic, hospitality,
commercial, industrial and
wastewater markets



Water treatment companies,
OEMs, DIY, public authorities
and sanitary wholesale



OUR 3 STRONG PILLARS

Water is life. Water is growth. Your water is our concern: in your day-to-day-life, at your leisure, for your health, your business and your industrial processes. Without water there would be no life, no agriculture, no industry.



OUR PARTNERSHIP

Within Euraqua, we believe in long lasting partnerships built on mutual trust and value to all parties involved. We are committed to offer our customers solutions and not just products. We provide technical support and share expertise through our qualified technical team. We strive to offer the highest service through our internal and external sales teams. We ensure sustainable supply thanks to Euraqua and Pollet Group's long-lasting supplier relationships and scale.



WE ACT GLOBAL

Euraqua, as part of PWG is a worldwide leader in water treatment. We aren't only a market leader in the Benelux, we also actively develop water treatment business in Central Eastern Europe, the Nordics and far away regions such as Asia, the Middle East and Africa. No destination is too far, and nothing is impossible. We are your global water treatment Partner.



PWG offices



Sales activities

ONE STOP SHOP

Euraqua is a one-stop-shop for all your water treatment needs.

- We are experts in customized solutions thanks to our in-house **manufacturing** and assembly
- We are an established **distributor** of water treatment components and spare parts from many different brands
- We offer you unique in-house **brands** with Vision Water & Pallas

OUR SOLUTIONS

As your dedicated partner for water treatment, we assemble complete systems, stock renowned brands and support you with branded solutions.



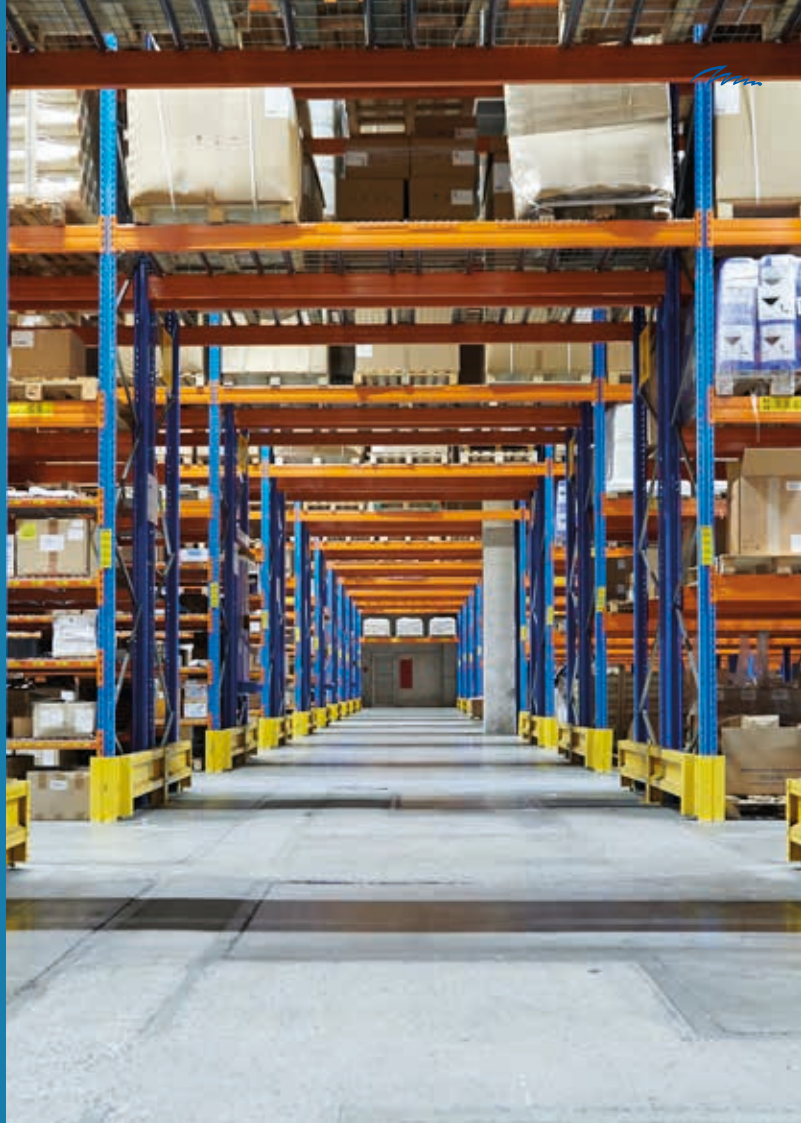
We Manufacture

We offer you white labelled or customised systems. You can choose from our standard range or design your made-to-measure system.



We Distribute

We distribute a wide range of components and spare parts from our reputable partners.



We Offer You A Brand

Become our dealer for Vision Water or distribute our Pallas brand and profit from the benefits that come with it.

OUR PRODUCTION FACILITIES

We supply **standard solutions** as well as **made-to-measure concepts**. To maintain our technological lead, we continuously invest in our manufacturers. Pollet Water Group has **production facilities** in Germany, France, Turkey, Belgium and the UK. We **analyse, design and engineer solutions** for your water facilities. We attach great importance to an environmentally and technologically responsible selection of resources. Our R&D teams are constantly

searching for new and sustainable solutions. Our manufacturing capability gives our partners a **competitive advantage** through highly reliable energy- and water-saving solutions with optimised return on investment. Our manufacturers export worldwide and have **global presence**.

Herco Wassertechnik GmbH

Freiberg - Germany
Membrane technology
www.herco-wt.de

Esli

Head Office: Antalya - Turkey
Regional Offices: Istanbul / Izmir /
Ankara / Adana / Kocaeli
Filter & Membrane technology
www.esli.com.tr

Delta

Mortsel - Belgium
Non-electrical softeners
www.deltawaterengineering.com

Cappers

Thiers - France
Control valves
www.cappers.fr

Euraqua UK

Hitchin - United Kingdom
Membrane technology
www.euraqua.co.uk



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the green wave



OUR MISSION AND VISION ON SUSTAINABILITY

With a diverse portfolio of companies operating in the fields of water treatment, Pollet Water Group recognizes the vital importance of Environmental, Social, and Governance factors in driving positive change. “The Green Wave” is our ESG statement that reflects our commitment to promoting sustainable practices, enhancing social well-being, and upholding strong governance principles across all aspects of our operations.

We are dedicated to developing and implementing innovative solutions that prioritize water conservation, energy efficiency, and the reduction of our carbon footprint. We recog-

nize the significance of social responsibility in building strong, inclusive communities. We are committed to fostering a diverse and inclusive workforce, ensuring safe working conditions, and supporting the well-being of our employees, customers, and the communities we serve.

“The Green Wave” encapsulates our unwavering dedication to ESG principles and guides our actions as we navigate the challenges and opportunities ahead. Together, we can ride the green wave towards a sustainable and prosperous future.



PLANET

REDUCING GREENHOUSE GAS EMISSIONS

We are committed to actively reducing our CO2 footprint as part of our environmental sustainability efforts.

REDUCING WATER CONSUMPTION

Our primary focus will be the reduction of our overall water usage. We commit to this objective by monitoring water usage through water scans and implementing strategic water conservation.



PEOPLE

SAFETY CULTURE

Pollet Water Group, together with all sister companies, places utmost importance on ensuring the safety and overall well-being of its XPRTS.

GROWING AS AN XPRT

Pollet Groups XPRT family culture is also about being able to grow, learn and feel part of the family. We want to nurture our XPRTS and their personal development through external and on the job training.



PRODUCT

SUSTAINABLE PRODUCT DEVELOPMENT

We integrate ESG parameters into product development, considering market potential, fit, and cost competitiveness. Our focus is on selecting impactful technologies, especially in energy and water efficiency.

ESTABLISHING SUSTAINABLE VALUE CHAIN

Building long-term relationships across the entire supply chain are crucial. We commit to formulating a code of conduct for suppliers based on EU sustainability regulations.

Discover our complete ESG program on greenwave.polletgroup.com



WE OFFER YOU A BRAND

BECOME A VISION WATER DEALER

WATER TREATMENT WITH A **VISION**



With Vision Water you opt for an environmental friendly solution that protects all sanitary applications in your house & makes water treatment very user-friendly. Vision Water is about offering you comfort in terms of treated water, better water and peace of mind. Whether you use city water, well water or looking to improve your residential water, Vision Water offers you a solution. Vision Water? For you. For them.

VISION WATER **SOLUTIONS**

SOFTENED WATER

Softening of water is the removal of calcium. Softened water extends the lifetime of your household applications, saves you energy costs & detergents and improves your skin & hair. Using softened water has a positive effect on your way of living.



WELL WATER

Each well has a different water quality. Whether it is iron, manganese, calcium, sulfur or ammonia, we define the filter media that suits your situation the best.



DRINKING WATER

We improve the taste, the odor, filtration of the sediments in the water of your faucet. Specific Vision Water solutions make your water drinkable.



BECOME A PALLAS DISTRIBUTOR

PERFECTING WATER



Pallas is a brand of Pollet Water Group and brings together a complete range of standard water treatment systems and components for the home market, hospitality, commercial buildings and industry. Pallas Products perfect the water quality by removing unwanted substances from the water. With a complete range of water treatment solutions, we focus on the professional. The Pallas range offers you 'off-the-shelf' products that support and help to grow your business.



Pallas plus, carefully selected solutions

- Carefully selected products
- For high quality water treatment
- Relying on knowledge of Pollet Water Group and its partners
- Distributed by certified professionals
- No internet sales





MANAGE MY SOFTENER

THE SMARTEST WAY TO CAREFREE WATER

ABOUT

MANAGE MY SOFTENER

Manage My Softener is a cloud-based application that allows you as a customer and as an installer to monitor your water softener remotely. Your 'Manage My Softener' App (Apple & Android) links your water softener to the WIFI network at home in just a few steps. **As soon as the connection is set up, you can see your consumption, the status of your device and new maintenance messages. Anywhere, anytime.**

Working together with your installer becomes a lot easier. Do you have a question? Want to order salt or schedule maintenance? Contacting your supplier is just a click away. With your permission, your installer can also log in to the diagnostic data of your appliance, view the settings and give you advice. **Manage My Softener? The smartest way to carefree water.**

www.managemysoftener.com

MANAGE MY SOFTENER FEATURES

With 'Manage My Softener' you have access to the status of each water softener at all times. View current and historical usage data, check current settings, consult contact information,... You as an installer can restart and reset the valve from a distance. You can go through the settings in detail and monitor the system accurately. Manage My Softener gives you the possibility to offer your customer the full service and comfort of carefree water.



DASHBOARD

Get an overview of important parameters such as maintenance info, status, regenerations & consumption at a glance.



GRAPHS

See the current and historical data of a water softener thanks to the intuitive graphs. You get insight per day, per week, per month & per year.



MAINTENANCE INFO

Check the status of your salt and dive into the device settings. The Manage My Softener platform is your assurance of seamless operation.



EASY ONBOARDING

The intuitive Bluetooth pairing of our app connects your softener to your home Wi-Fi network in a very simple way.



NOTIFICATIONS

Receive notifications or order salt for your softener with a single click.



CONTACT DETAILS

Contact your installer easily. As a water professional, you have a one-click view of all your installed softeners and customers.



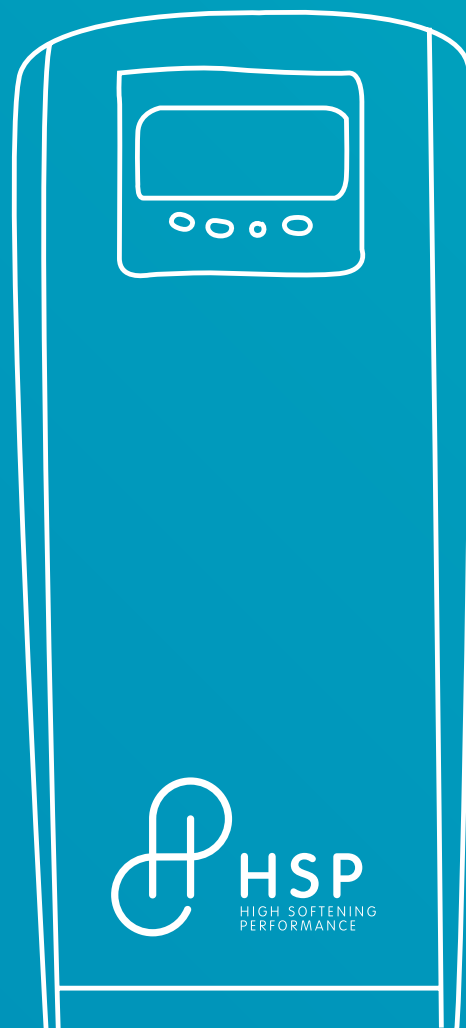
HSP guarantees you the highest softening performance of a downflow system. The technology improves the efficiency of a downflow softener in order to highly reduce your salt and water consumption. HSP? The most economical & ecological way to obtain softened water.

About HSP

Pollet Water Group developed the HSP-technology to improve the efficiency of downflow softeners. Compared to a classic downflow softener, the HSP-version saves significantly more salt and water. The end result is a much lower cost per m³ softened water. HSP was established based on our long experience with water treatment and intensive research & development. The high softening performance is attained through a combination of program settings and a different way of assembling the softener.

For each of our downflow softener ranges, we apply specific and well-defined parameters to achieve the best performing unit. Thanks to these parameters, we ensure that a downflow softener that carries the HSP-label will offer you the specific volumetric capacity you require. It is in the end the most efficient one within its range and capabilities.

Join us on our mission.
Make water count.



CLEAR BENEFITS



DECREASES WATER
CONSUMPTION BY
APPROXIMATELY 41%



DECREASES SALT
CONSUMPTION BY
APPROXIMATELY 38%



LOWERS THE PRICE
OF 1L SOFTENED
WATER BY 39%

Lower your ecological footprint

Preserving our planet is more important than ever. HSP offers a solution to lower your ecological footprint. The HSP-Technology makes your rinse water consumption drop by approximately 41% compared to a classically sized downflow softener. Less water is required to perform an equally good regeneration. Furthermore, the consumption of salt per regeneration drops by approximately 38%, decreasing the quantity of salt that goes down the drain.

Lower your costs

Next to the ecological benefits of HSP, the reduction of salt & water also has economical benefits. Water is becoming more and more scarce and the price will only go up in the future. The HSP-Technology reduces the cost price to produce 1 m³ softened water by 39% on average!

Different from classic softeners

The settings of classic downflow softeners are defined based on a more traditional & theoretical calculation model. HSP adds its own intelligence to this model thanks to advanced research & development. Each device that carries the HSP-label was thoroughly tested on higher efficiency, lowering the salt and rinse water consumption.

HSP-label

Look for the HSP-label that guarantees you the most ecological and economical downflow softener within its range.





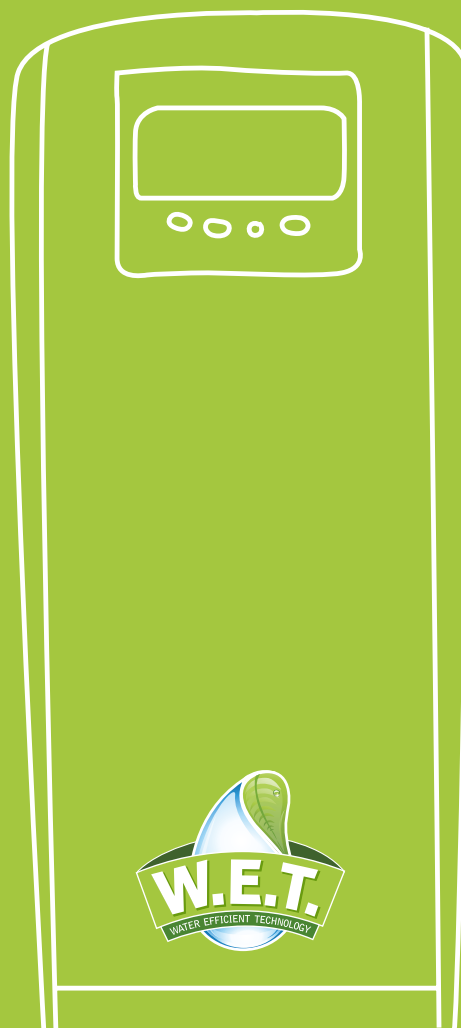
About W.E.T.

Water is a precious resource, that is why Pollet Water Group is constantly looking for innovative ways to conserve it. Water Efficient Technology, W.E.T.™ is a series of features that allows upflow water softeners to use only the amount of water and salt needed, effectively reducing waste and saving money!

Modern water softeners have become more efficient over time, but many still use more resources than are necessary. W.E.T.™ is capable of saving up to 50% of the salt and water used by today's up flow high-efficiency systems.

W.E.T.™ is available on up flow softeners with Impression Plus & Pro and Total Care Plus & Pro valves.

Join us on our mission.
Make water count.



BENEFITS



SAVE UP TO 50%
OF SALT

Might vary depending on the application
and the specific situation



REDUCE RINSE WATER
BY APPROXIMATELY 50%

Might vary depending on the application
and the specific situation



MAINTAIN PERFORMANCE
AT ALL TIME



NEVER FORGET
TO REFILL YOUR SALT



VISUALIZE
YOUR SAVINGS

Proportional Brining

Reduces salt used during regeneration to be proportional to the amount of water treated for your household. If less water is processed, less salt is needed.

Proportional Regeneration

Reduces water used by your water softener during the rinse cycles. Much like Proportional Brining, the cycles are adjusted to match how much resin has been exhausted inside your softener.

Alternate Regeneration

Your softener will perform a full regeneration occasionally to maintain its performance. Reducing the salt and water used could cause system fatigue over time, so W.E.T.™ assigns a full cycle to refresh the complete tank.

Salt Monitor

The salt monitor measures salt levels in real time. When levels become too low, the system triggers an audio and visual alert to remind you that salt is needed. Never forget to refill the salt in your softener again!

Savings History Screen

See how much you saved compared to a traditional high-efficiency system right on your softener. You can see how many kilos of salt and liters of water you've saved since your W.E.T.™ features were activated.

Water Efficient Technology
for Upflow Softeners

CONTENT

Catalogue

2024

NEW PRODUCTS 22

SOFTENERS 25

Monobloc softeners	25
Duobloc softeners	53
Duplex softeners Clack	72
Multiplex softeners Clack	81
Duplex softeners Fleck	84
Industrial Panoplies	90
Aqualine softeners	92
Neutracalc	94
Other ion-exchange units	98

DOMESTIC FILTRATION 103

Residential RO	106
Domestic RO	124
Commercial RO	125
Domestic filtration	126

INDUSTRIAL FILTRATION 145

Evolve series	146
Industrial filtration: Turbidex	160
Industrial filtration: Scavenger	163
Industrial filtration: Activated carbon	165
Industrial filtration: Birm	173
Industrial filtration: Juraperle	174
Industrial filtration: Mixed bed	177

MEMBRANE SYSTEMS 179

Herco RO	181
Esli RO	219
Esli UF	235

UV SYSTEMS 239

UV Systems	241
Domestic & Commercial UV	245
Industrial UV	248
Other sterilization systems	257

VALVES 259

Clack valves	261
Fleck valves	311
Autotrol valves	342
Siata valves	365
AQ Matic valves	377
Accessories for valves	383

COMPONENTS 391

Vessels & distribution systems	393
Cabinets & brine tanks	429
Filters & cartridges	453
Hoses	491
Dosing equipment	501
Filter media & resin	509
Membrane & membrane housings	527

PRODUCT HIGHLIGHTS 2024



Jane Ino
page 35



Eva
page 431



Pallas Enjoy Digital Slim RO
page 110



Pallas pressure storage tank
page 415



Clack WS1.5 Plastic Valve
page 284



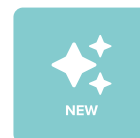
AFM
page 513



SOFTENERS

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Duplex softeners Clack	72
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Duplex	84
Industrial Panoplies	90
Aqualine Softeners	92
Neutracalc	94
Other ion-exchange units	98

MONOBLOC SOFTENERS



EVA CK DF

Our standard Eva CK DF softeners come with:

- Clack valve Pallas CK volumetric Down Flow
- Eva Tilting Lid Cabinet white/white black/black blue/white
- Composite vessel with distributor & tube
- Heterodisperse resin
- Bypass WS1
- Brine well & safety brine valve 2310



FEATURES

- PWG exclusive Eva cabinet
- Clean look with glossy cover
- Handles on cabinet for easy moving
- Tilting salt lid for filling
- Small footprint
- 7 European languages available
- Salt alarm (based on automatic calculation)
- Scheduled service alarm
- Available in 5 sizes



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Mini						
4201050005	EUQ017020	Eva Pallas CK DF Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	1.247,75
4201050005	EUQ017041	Eva Pallas CK DF Mini 10L White/White	8 x 17	10	300 x 500 x 741	1.247,94
4201050005	EUQ017056	Eva Pallas CK DF Mini 10L Blue/White	8 x 17	10	300 x 500 x 741	1.248,86
4201050006	EUQ017021	Eva Pallas CK DF Mini 14L Black/Black	10 x 17	14	300 x 500 x 741	1.324,24
4201050006	EUQ017042	Eva Pallas CK DF Mini 14L White/White	10 x 17	14	300 x 500 x 741	1.324,48
4201050006	EUQ017060	Eva Pallas CK DF Mini 14L Blue/White	10 x 17	14	300 x 500 x 741	1.325,44

MONOBLOC SOFTENERS



EVA CK DF

Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Midi						
4201050007	EUQ017026	Eva Pallas CK DF Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	1.392,83
4201050007	EUQ017043	Eva Pallas CK DF Midi 18L White/White	8 x 30	18	300 x 500 x 1072	1.393,07
4201050007	EUQ017064	Eva Pallas CK DF Midi 18L Blue/White	8 x 30	18	300 x 500 x 1072	1.394,03
Maxi						
4201050008	EUQ017027	Eva Pallas CK DF Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	1.406,95
4201050008	EUQ017044	Eva Pallas CK DF Maxi 22L White/White	8 x 35	22	300 x 500 x 1200	1.407,15
4201050008	EUQ017068	Eva Pallas CK DF Maxi 22L Blue/White	8 x 35	22	300 x 500 x 1200	1.408,15
4201050009	EUQ017028	Eva Pallas CK DF Maxi 30L Black/Black	8 x 35	30	300 x 500 x 1200	1.458,66
4201050009	EUQ017072	Eva Pallas CK DF Maxi 30L White/White	8 x 35	30	300 x 500 x 1200	1.458,86
4201050009	EUQ017073	Eva Pallas CK DF Maxi 30L Blue/White	8 x 35	30	300 x 500 x 1200	1.459,86

MONOBLOC SOFTENERS



EVA CK UF

FEATURES

- PWG exclusive Eva cabinet
- Clean look with glossy cover
- Handles on cabinet for easy moving
- Tilting salt lid for filling
- Small footprint
- Proportional brining for saving on salt usage
- 7 European languages available
- Salt alarm (based on automatic calculation)
- Scheduled service alarm
- Available in 5 sizes



Our standard Eva CK UF softeners come with:

- Clack valve Pallas CK volumetric Up Flow
- Eva Tilting Lid Cabinet white/white black/black blue/white
- Composite vessel with distributor & tube
- Monodisperse resin
- Bypass WS1
- Brine well & safety brine valve 2310



Reference	Config.	Item Name	Vessel	Resin	Dimensions	€
				L	WxDxH in mm	
Mini						
4201050005	EUQ017057	Eva Pallas CK UF Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	1.299,07
4201050005	EUQ017058	Eva Pallas CK UF Mini 10L White/White	8 x 17	10	300 x 500 x 741	1.299,30
4201050005	EUQ017059	Eva Pallas CK UF Mini 10L Blue/White	8 x 17	10	300 x 500 x 741	1.300,22
4201050006	EUQ017061	Eva Pallas CK UF Mini 14L Black/Black	10 x 17	14	300 x 500 x 741	1.384,65
4201050006	EUQ017062	Eva Pallas CK UF Mini 14L White/White	10 x 17	14	300 x 500 x 741	1.384,89
4201050006	EUQ017063	Eva Pallas CK UF Mini 14L Blue/White	10 x 17	14	300 x 500 x 741	1.385,85

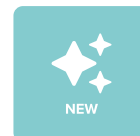
MONOBLOC SOFTENERS



EVA CK UF

Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Midi						
4201050007	EUQ017065	Eva Pallas CK UF Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	1.474,07
4201050007	EUQ017066	Eva Pallas CK UF Midi 18L White/White	8 x 30	18	300 x 500 x 1072	1.474,27
4201050007	EUQ017067	Eva Pallas CK UF Midi 18L Blue/White	8 x 30	18	300 x 500 x 1072	1.475,26
Maxi						
4201050008	EUQ017069	Eva Pallas CK UF Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	1.488,55
4201050008	EUQ017070	Eva Pallas CK UF Maxi 22L White/White	8 x 35	22	300 x 500 x 1200	1.488,79
4201050008	EUQ017071	Eva Pallas CK UF Maxi 22L Blue/White	8 x 35	22	300 x 500 x 1200	1.489,75
4201050009	EUQ017074	Eva Pallas CK UF Maxi 30L Black/Black	8 x 35	30	300 x 500 x 1200	1.595,52
4201050009	EUQ017075	Eva Pallas CK UF Maxi 30L White/White	8 x 35	30	300 x 500 x 1200	1.595,76
4201050009	EUQ017076	Eva Pallas CK UF Maxi 30L Blue/White	8 x 35	30	300 x 500 x 1200	1.596,72

MONOBLOC SOFTENERS



EVA SXT

Our standard Eva SXT softeners come with:

- Fleck valve 5600SXT volumetric DF
- Eva Tilting Lid Cabinet white/white - black/black - blue/white
- Composite vessel with distributor & tube
- Heterodisperse resin
- Bypass inox 1"
- Brine well & safety brine valve 2310



FEATURES

- PWG exclusive Eva cabinet
- Clean look with glossy cover
- Handles on cabinet for easy moving
- Tilting salt lid for filling
- Small footprint
- Easy and user-friendly programming
- Available in 5 sizes



Reference	Config.	Item Name	Vessel	Resin	Dimensions	€
				L	WxDxH in mm	
Mini						
4201010001	EUQ017036	Eva Fleck 5600SXT Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	1.021,53
4201010001	EUQ017046	Eva Fleck 5600SXT Mini 10L White/White	8 x 17	10	300 x 500 x 741	1.021,71
4201010001	EUQ017047	Eva Fleck 5600SXT Mini 10L Blue/White	8 x 17	10	300 x 500 x 741	1.022,59
4201010002	EUQ017037	Eva Fleck 5600SXT Mini 14L Black/Black	10 x 17	14	300 x 500 x 741	1.049,92
4201010002	EUQ017048	Eva Fleck 5600SXT Mini 14L White/White	10 x 17	14	300 x 500 x 741	1.050,14
4201010002	EUQ017049	Eva Fleck 5600SXT Mini 14L Blue/White	10 x 17	14	300 x 500 x 741	1.051,01

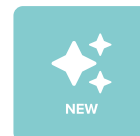
MONOBLOC SOFTENERS



EVA SXT

Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Midi						
4201010003	EUQ017038	Eva Fleck 5600SXT Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	1.112,49
4201010003	EUQ017050	Eva Fleck 5600SXT Midi 18L White/White	8 x 30	18	300 x 500 x 1072	1.112,71
4201010003	EUQ017051	Eva Fleck 5600SXT Midi 18L Blue/White	8 x 30	18	300 x 500 x 1072	1.113,59
Maxi						
4201010004	EUQ017039	Eva Fleck 5600SXT Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	1.125,38
4201010004	EUQ017052	Eva Fleck 5600SXT Maxi 22L White/White	8 x 35	22	300 x 500 x 1200	1.125,56
4201010004	EUQ017053	Eva Fleck 5600SXT Maxi 22L Blue/White	8 x 35	22	300 x 500 x 1200	1.126,47
4201010005	EUQ017040	Eva Fleck 5600SXT Maxi 30L Black/Black	8 x 35	30	300 x 500 x 1200	1.172,55
4201010005	EUQ017054	Eva Fleck 5600SXT Maxi 30L White/White	8 x 35	30	300 x 500 x 1200	1.172,74
4201010005	EUQ017055	Eva Fleck 5600SXT Maxi 30L Blue/White	8 x 35	30	300 x 500 x 1200	1.173,65

MONOBLOC SOFTENERS



EVA CDK

Our standard Eva CDK softeners come with:

- Runxin F79B-LED Meter Valve
- Eva Tilting Lid Cabinet white/white - black/black - blue/white
- Composite vessel with distributor & tube
- Heterodisperse resin
- F70D Bypass 3/4"
- Brine well & safety brine valve 2310



FEATURES

- PWG exclusive Eva cabinet
- Clean look with glossy cover
- Handles on cabinet for easy moving
- Tilting salt lid for filling
- Small footprint
- Intuitive controller
- Service friendly
- Available in 5 sizes



Reference	Config.	Item Name	Vessel	Resin	Dimensions	€
			L	L	WxDxH in mm	
Mini						
4201080001	EUQ017092	Eva Runxin F79B Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	729,31
4201080001	EUQ017093	Eva Runxin F79B Mini 10L White/White	8 x 17	10	300 x 500 x 741	729,50
4201080001	EUQ017094	Eva Runxin F79B Mini 10L Blue/White	8 x 17	10	300 x 500 x 741	730,42
4201080002	EUQ017095	Eva Runxin F79B Mini 14L Black/Black	10 x 17	14	300 x 500 x 741	758,25
4201080002	EUQ017096	Eva Runxin F79B Mini 14L White/White	10 x 17	14	300 x 500 x 741	758,47
4201080002	EUQ017097	Eva Runxin F79B Mini 14L Blue/White	10 x 17	14	300 x 500 x 741	759,36

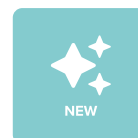
MONOBLOC SOFTENERS



EVA CDK

Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Midi						
4201080003	EUQ017098	Eva Runxin F79B Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	822,06
4201080003	EUQ017099	Eva Runxin F79B Midi 18L White/White	8 x 30	18	300 x 500 x 1072	822,25
4201080003	EUQ017100	Eva Runxin F79B Midi 18L Blue/White	8 x 30	18	300 x 500 x 1072	823,14
Maxi						
4201080004	EUQ017101	Eva Runxin F79B Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	835,16
4201080004	EUQ017102	Eva Runxin F79B Maxi 22L White/White	8 x 35	22	300 x 500 x 1200	835,38
4201080004	EUQ017103	Eva Runxin F79B Maxi 22L Blue/White	8 x 35	22	300 x 500 x 1200	836,27
4201080005	EUQ017104	Eva Runxin F79B Maxi 30L Black/Black	8 x 35	30	300 x 500 x 1200	883,24
4201080005	EUQ017105	Eva Runxin F79B Maxi 30L White/White	8 x 35	30	300 x 500 x 1200	883,46
4201080005	EUQ017106	Eva Runxin F79B Maxi 30L Blue/White	8 x 35	30	300 x 500 x 1200	884,35

MONOBLOC SOFTENERS



JANE CLACK

FEATURES

- PWG exclusive softeners
- Integrated Clack CV valve in cabinet cover
- Perfect integration cover & cabinet
- Clean & modern design (shiny cover)
- Easy salt filling due to tilting salt lid
- Ergonomic handles to easily move the unit
- HSP technology
- Proportional brining
- Scheduled service alarm program contact name & phone number
- Fully programmable regeneration cycles & times
- 5 different languages



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Mini						
4201050010	EUQ017380	Jane Clack Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	1.045,14
Midi						
4201050012	EUQ017383	Jane Clack Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	1.118,76
Maxi						
4201050013	EUQ017384	Jane Clack Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	1.125,24
4201050014	EUQ017385	Jane Clack Maxi 30L Black/Black	10 x 35	30	300 x 500 x 1200	1.190,37

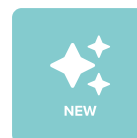
* White/White version available on request



The most economical & ecological way to obtain softened water.

The technology improves the efficiency of your softener in order to highly reduce your salt and water consumption.

MONOBLOC SOFTENERS



JANE INO

FEATURES

- PWG exclusive softener for selective distribution
- Integrated Cappers Ino20 Up Flow valve
- Monodisperse or Heterodisperse resin
- Handles on cabinet for easy moving
- Tilting salt lid for filling
- Small footprint
- Intuitive programming & easy maintenance
- Available in 5 sizes



Reference	Config.	Item Name	Vessel	Resin	Dimensions	€
Mini						
4201100006	EUQ016990	Jane Ino Mini 10L	8 x 17	10	300 x 500 x 741	883,26
4201100007	EUQ017117	Jane Ino Mini 14L	10 x 17	14	300 x 500 x 741	914,64
Midi						
4201100008	EUQ016991	Jane Ino Midi 18L	8 x 30	18	300 x 500 x 1072	942,69
Maxi						
4201100009	EUQ017120	Jane Ino Maxi 22L	8 x 35	22	300 x 500 x 1200	962,28
4201100010	EUQ016992	Jane Ino Maxi 30L	8 x 35	30	300 x 500 x 1200	1.004,07

MONOBLOC SOFTENERS



JANE SXT

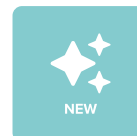
FEATURES

- PWG exclusive softeners
- Integrated Fleck 5800SXT valve in cabinet cover
- Perfect integration cover & cabinet
- Clean & modern design (shiny cover)
- Easy salt filling due to tilting salt lid
- Ergonomic handles to easily move the unit
- LCD display
- Simple servicing & programming
- 4 Programmable regeneration displays
- Available in 5 sizes



Reference	Config.	Item Name	Vessel	Resin	Dimensions	€
				L	WxDxH in mm	
Mini						
4201010006	EUQ017211	Jane SXT Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	1.058,85
4201010006	EUQ017212	Jane SXT Mini 10L White/White	8 x 17	10	300 x 500 x 741	1.063,20
4201010007	EUQ017213	Jane SXT Mini 14L Black/Black	10 x 17	14	300 x 500 x 741	1.078,14
4201010007	EUQ017214	Jane SXT Mini 14L White/White	10 x 17	14	300 x 500 x 741	1.072,74
Midi						
4201010008	EUQ017215	Jane SXT Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	1.118,07
4201010008	EUQ017216	Jane SXT Midi 18L White/White	8 x 30	18	300 x 500 x 1072	1.112,67
Maxi						
4201010009	EUQ017217	Jane SXT Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	1.125,93
4201010009	EUQ017218	Jane SXT Maxi 22L White/White	8 x 35	22	300 x 500 x 1200	1.117,56
4201010010	EUQ017219	Jane SXT Maxi 30L Black/Black	10 x 35	30	300 x 500 x 1200	1.159,56
4201010010	EUQ017220	Jane SXT Maxi 30L White/White	10 x 35	30	300 x 500 x 1200	1.150,59

MONOBLOC SOFTENERS



JANE CDK

FEATURES

- PWG exclusive softeners
- Integrated Runxin F79 valve in cabinet cover
- Perfect integration cover & cabinet
- Clean & modern design (shiny cover)
- Easy salt filling due to tilting salt lid
- Ergonomic handles to easily move the unit
- Premium LCD touch screen display
- Chlorinator for disinfection



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Mini						
4201080006	EUQ017226	Jane CDK Mini 10L Black/Black	8 x 17	10	300 x 500 x 741	613,53
4201080007	EUQ017227	Jane CDK Mini 14L Black/Black	10 x 17	14	300 x 500 x 741	632,79
Midi						
4201080008	EUQ017228	Jane CDK Midi 18L Black/Black	8 x 30	18	300 x 500 x 1072	672,75
Maxi						
4201080009	EUQ017229	Jane CDK Maxi 22L Black/Black	8 x 35	22	300 x 500 x 1200	680,61
4201080010	EUQ017230	Jane CDK Maxi 30L Black/Black	10 x 35	30	300 x 500 x 1200	714,21

* White/White version available on request

PERSONALISATION TIMERS



Standard



Inside front



Outside front

MONOBLOC SOFTENERS

JAMAIQUE CLACK PI

FEATURES

- Ceramic-on-ceramic disc valve technology
- Solid state microprocessor with easy access front panel settings
- Three modes of operation: meter delay, meter immediate or time clock delay
- Fixed 6 cycle control valve
- Fully adjustable cycle times
- Double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Post, pre or proportional regenerant refill available
- Days override feature 1-28 days available
- Downflow and upflow possible
- Storage of system programming and operation data in non-volatile memory
- 12 volt DC switching power supply for safe and easy installation
- Refill of regenerant with treated water
- Optional: integrated mixing valve



Compact Complete Solutions with Clack PI:

- Compact water softener
- Ideal for small storage rooms, kitchens, cellars...
- "Clack" ease to use
- Proportional brining - possible
- Straightforward, simple programming
- **Complete softener units only**

Our Jamaïque Clack PI cabinet comes with:

- Black - Black
- Volume
- Mixing
- Down Flow
- By-pass + 1" connections
- SBV 2310
- Heterodisperse resin

Jamaïque PI	10L Mini	14L Midi	18L Maxi
Capacity	45°Fxm ³	63°Fxm ³	81°Fxm ³
Nominal flow rate	0,9m ³ /h	1m ³ /h	1,4m ³ /h
Peak flow rate	1,1m ³ /h	1,2m ³ /h	1,7m ³ /h

Reference	Config.	Code	Description	€
4201054329	EUQ013528		Jamaïque Clack PI 10L Mini	1.030,46
4201051627	EUQ015118		Jamaïque Clack PI 14L Midi	1.119,50
4201051629	EUQ015119		Jamaïque Clack PI 18L Maxi	1.137,87

MONOBLOC SOFTENERS

PEANUT LASER & MINI PEANUT LASER

FEATURES

- **Most compact 10 (mini) & 15 liter softener**
- Designed to be very easy to fill with salt, even when inside a cabinet
- Use less than 4% of the water for regeneration
- Set-up in seconds

Our Peanut Laser softeners come with:

- Autotrol **368/606 Volumetric** valve (**peanut**)
- Exclusive (mini) Laser cabinet
- Monodisperse resin
- SBV 2310
- Composite vessel 10x12 (mini) or 10x16
- Bypass 3/8 + 1" connection



Reference	Code	Description	Flow rate	Capacity @ 300 ppm CaCO ₃	Dimensions (HxWxD)	€
4201035869	EUQ015388	Mini Peanut Laser 8L	600 l/h	1350 liter	418 x 282 x 440	1.211,20
4201038330	EUQ012702	Peanut Laser 15L	600 l/h	2500 liter	510 x 282 x 440	1.236,68

MONOBLOC SOFTENERS

PI LASER & MINI PI LASER

FEATURES

- **Most compact 10 (mini) & 15 liter softener**
- Designed to be very easy to fill with salt, even when inside a cabinet
- Use less than 4% of the water for regeneration
- Set-up in seconds

Our PI Laser softeners come with:

- Clack PI valve
- Exclusive (mini) Laser cabinet
- Monodisperse resin
- SBV 2310
- Composite vessel 10x12 (mini) or 10x16
- Clack WS1 bypass



Reference	Code	Description	Flow rate	Capacity @ 300 ppm CaCO ₃	Dimensions (HxWxD)	€
4201051677	EUQ016310	Mini Laser PI 8L	800 l/h	1350 liter	468 x 282 x 440	1.106,95
4201052747	EUQ016311	Laser PI 15L	1000 l/h	2500 liter	560 x 282 x 440	1.130,36

MONOBLOC SOFTENERS

TAHOE + PI

Our PI Tahoe softeners come with:

- Clack PI valve
- Exclusive Tahoe cabinet
- Monodisperse resin
- SBV 2310
- Composite vessel
- Clack WS1 bypass



Reference	Code	Description	Flow rate	Capacity @ 300 ppm CaCO3	Dimensions (HxWxD)	€
		Tahoe PI 10L	900l/h	1200l	531 x 295 x 440	on request
		Tahoe PI 15L	1200 l/h	1700l	531 x 295 x 440	on request

MONOBLOC SOFTENERS

FOLEO

FEATURES

- Fleck 5800XTR variable brining valve, up flow regeneration
- Large, touch screen display
- Easy access to settings with the new electronic mounted on cabinet cover
- Equipped with automatic disinfection
- Separate brine tanks from pressure vessel
- High quality acid cationic strong resin



Reference	Item Name	Vessel	Resin L	Dimensions WxDxH mm	€
4251060008	Foleo 5800XTR Wifi Smart - 10L resin	8 x 18	10	360 x 456 x 750	2.065,59
4251060009	Foleo 5800XTR Wifi Smart - 15L resin	7 x 35	15	360 x 456 x 750	2.107,71
4251060010	Foleo 5800XTR Wifi Smart - 20L resin	8 x 35	20	360 x 456 x 1045	2.165,64



Integrated stainless steel by-pass



Automatic resin disinfection

MONOBLOC SOFTENERS



FALCON

FEATURES

- An accessible interface with drop-down menus (in colour) which show the different functions in detail
- Adapted to your current lifestyle. Even after a prolonged absence the quality of your water remains perfect thanks to the vacation mode
- Easy maintenance thanks to the continuous registration of the various operating parameters of the unit
- A mild disinfection of the resin during each regeneration cycle (option)
- Chlorinator



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH mm	€
4201068173	EUQ012805	Falcon BNT850 Mini - 8L resin	8 x 17	8	320 x 550 x 665	930,69
4201068174	EUQ012806	Falcon BNT850 Maxi - 20L resin	8 x 35	20	320 x 550 x 975	1.057,89
4201068175	EUQ012807	Falcon BNT850 Maxi - 30L resin	10 x 35	30	320 x 550 x 1080	1.126,57



No need to remove the lid to refill salt



Accessible interface

MONOBLOC SOFTENERS



HOAK

FEATURES

- Long-life quality valve with proven piston technology
- Easy interface: blue drop-down menu
- Easy maintenance
- English, French and Spanish language available
- Completely pre-programmed
- Food grade quality ion-exchange resins



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH mm	€
4201060004	EUQ013577	Hoak BNT850 Mini - 8L resin	8 x 18	8	320 x 550 x 665	813,49
4201060895	EUQ013904	Hoak BNT850 Maxi - 10L resin	8 x 35	10	320 x 550 x 665	823,35
4201060005	EUQ013487	Hoak BNT850 Maxi - 20L resin	8 x 35	20	320 x 550 x 1080	940,68
4201060575	EUQ013645	Hoak BNT850 Maxi - 26L resin	10 x 35	26	320 x 550 x 1080	994,22
4201060006	EUQ014943	Hoak BNT850 Maxi - 30L resin	10 x 35	30	320 x 550 x 1080	997,05



Easy interface: blue drop-down menu

MONOBLOC SOFTENERS



LUCY

DESCRIPTION

Lucy is a compact softener with a unique design inspired by nature. Combining high performing technology & a user-friendly experience, the Lucy meets all of your needs. Enjoy the pureness of softened water with Lucy.

FEATURES

- Unique and practical design
- Multiple languages: ENG - FR - DU - ES - IT - DE - PL
- Efficient upflow regeneration
- Extra features SE timer:
 - Salt alarm
 - Dry brine tank
 - Touch key display
- Option: chlorinator



CERTIFICATIONS



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
850HE						
4213080001	STDHE	Lucy 850HE Mini	10 x 15	14	333 x 467 x 581	930,22
4213080001	STDHECL	Lucy 850HE Mini with chlorinator	10 x 15	14	333 x 467 x 581	1.019,27
4213080002	STDHE	Lucy 850HE Maxi	10 x 35	25	333 x 467 x 1091	1.068,22
4213080002	STDHECL	Lucy 850HE Maxi with chlorinator	10 x 35	25	333 x 467 x 1091	1.157,23
4213080005	STDHESUN	Lucy 850HE Super Maxi	10 x 40	32	333 x 467 x 1220	1.237,34
4213080005	STDSECLSUN	Lucy 850HE Super Maxi with chlorinator	10 x 40	32	333 x 467 x 1220	1.326,38

MONOBLOC SOFTENERS



LUCY

Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
850SE						
4213080003	STDSE	Lucy 850SE Mini	10 x 15	14	333 x 467 x 581	1.041,49
4213080003	STDSECL	Lucy 850SE Mini with chlorinator	10 x 15	14	333 x 467 x 581	1.146,12
4213080004	STDSE	Lucy 850SE Maxi	10 x 35	25	333 x 467 x 1091	1.139,44
4213080004	STDSECL	Lucy 850SE Maxi with chlorinator	10 x 35	25	333 x 467 x 1091	1.228,48
4213080006	STDSESUN	Lucy 850SE Super Maxi	10 x 40	32	333 x 467 x 1220	1.308,59
4213080006	STDSECLSUN	Lucy 850SE Super Maxi with chlorinator	10 x 40	32	333 x 467 x 1220	1.397,56

Personalization possible (MOQ: 300pcs): Color ring - Logo on top



850HE



850SE

MONOBLOC SOFTENERS

CS16 LOTUS

FEATURES

- Complete cabinet unit with integrated BNT-850SE(UF) valve
- Touch keys design on a high strength tempered glass
- User-friendly large colour LCD display
- Sliding cover



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
CS16 Mini						
4213060001	CS16-Mini	CS16 Lotus BNT850SE Mini	10 x 17	12.5	342 x 485 x 584	1.037,61941,91
4213060001	CS16-MiniC	CS16 Lotus BNT850SE Mini with chlorine generator and salt alarm	10 x 17	12.5	342 x 485 x 584	1.037,61941,91
CS16 Maxi						
4213060002	CS16-Maxi	CS16 Lotus BNT850SE Maxi	10 x 35	25	342 x 485 x 1044	1.140,56
4213060002	CS16-MaxiC	CS16 Lotus BNT850SE Maxi with chlorine generator and salt alarm	10 x 35	25	342 x 485 x 1044	1.265,19



MONOBLOC SOFTENERS



ROBIN CLASSIC

FEATURES

- Simple programming
- Straightforward - use of symbols
- Up- & downflow



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
4214010003	WHT/BLU	Robin Classic F69PHY Mini	9 x 15	12	320 x 503 x 653	441,34
4214010004	WHT/BLU	Robin Classic F69PHY Maxi	9 x 35	26	320 x 555 x 1112	593,24

MONOBLOC SOFTENERS



ROBIN PREMIUM

FEATURES

- Simplified or advanced electronics
- High flow version available
- Multi language
- Up- & downflow
- Chlorine generator
- Vacation mode



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH in mm	€
Robin Premium SE - Simplified Electronics						
4214010005	WHT/BLU	Robin Premium Simplified Electronics F79BD Mini	9 x 15	12	320 x 503 x 653	550,16
4214010006	WHT/BLU	Robin Premium Simplified Electronics F79BD Maxi	9 x 35	26	320 x 555 x 1112	702,06
Robin Premium AE - Advanced Electronics						
4214010007	WHT/BLU	Robin Premium Advanced Electronics F79B Mini	9 x 15	12	320 x 503 x 653	679,61
4214010008	WHT/BLU	Robin Premium Advanced Electronics F79B Maxi	9 x 35	26	320 x 555 x 1112	858,24
Robin Premium HF-SE - High Flow & Simplified Electronics						
4214010013	WHT/BLU	Robin Premium Simplified Electronics High Flow F82BD Mini	9 x 15	12	320 x 503 x 653	on request
4214010014	WHT/BLU	Robin Premium Simplified Electronics High Flow F82BD Maxi	9 x 35	26	320 x 555 x 1112	on request
Robin Premium HF-AE - High Flow & Advanced Electronics						
4214010011	WHT/BLU	Robin Premium Advanced Electronics High Flow F82B Mini	9 x 15	12	320 x 503 x 653	on request
4214010012	WHT/BLU	Robin Premium Advanced Electronics High Flow F82B Maxi	9 x 35	26	320 x 555 x 1112	on request

MONOBLOC SOFTENERS



PALLAS CONDOR

FEATURES

- Fleck 9100SXT down flow valve
- Mini & Maxi version
- Duplex system in cabinet design
- Personalization: color + label



Personalization: color & label



Reference	Config.	Item Name	Vessel	Resin L	Dimensions WxDxH mm	€
4400017159	PWG000766	Pallas Condor Mini - 2x6L Duplex	7 x 13	2 x 6	350 x 460 x 540	1.914,90
4400017160	PWG000767	Pallas Condor Maxi - 2x18L Duplex	7 x 35	2 x 18	350 x 460 x 1180	2.240,75

MONOBLOC SOFTENERS



PALLAS NON-ELECTRICAL SIMPLEX

DESCRIPTION

The Pallas Non-Electric Simplex is an all-in-one device. It has small dimensions, but delivers great performances. Thanks to easy installation, you are quickly up and running. The softener is non-electrical operated and reduces your salt & water consumption drastically.

FEATURES

- Simplex all-in-one
- Soft water 24/7
- High flow rates
- Non-electric operation
- Reduced water and salt consumption



Pallas[®]
Non-Electric Simplex

Reference	Item Name	Resin L	Dimensions WxDxH in mm	€
6301030009	Pallas Non-Electrical Simplex	3.3	241 x 538 x 483	1.688,58

Can be offered freely everywhere except in the Benelux, Italy, China and the US

MONOBLOC SOFTENERS



PALLAS NON-ELECTRICAL DUPLEX

DESCRIPTION

The duplex parallel version is your all-in-one device with a guarantee of soft water 24/7. Pallas Non-electric Duplex delivers high flow rates. Thanks to this duplex softener, you reduce your salt & water consumption with more than 50%.



FEATURES

- Duplex parallel all-in-one
- Soft water 24/7
- High flow rates
- Non-electric operation
- Reduced water and salt consumption

Pallas[®]
Non-Electric Duplex

Reference	Item Name	Resin L	Dimensions WxDxH in mm	€
6301110087	Pallas Non-Electrical Duplex	2 x 3.3	522 x 590 x 468	2.797,76

Can be offered freely everywhere except in the Benelux, Italy, China and the US

DUOBLOC SOFTENERS

CLACK WS1TC

FEATURES

Our standard duoblocs come with:

- Clack **WS1 TC chronometric electronic** valve
- Top distributor + riser tube 1" + bottom distributor
- Brine tank
- Brine well with aircheck
- Composite vessel + heterodisperse resin
- Mixing
- Connections 1"



Duobloc with Pallas CK valve

Valve	Type	Resin	Vessel	Brine tank	€
Clack WS1 TC DB					
Clack WS1 TC	time controlled	10L	Q-06.35	100L	918,11
Clack WS1 TC	time controlled	14L	Q-07.35	100L	950,12
Clack WS1 TC	time controlled	18L	Q-07.35	100L	966,92
Clack WS1 TC	time controlled	22L	Q-08.35	100L	999,18
Clack WS1 TC	time controlled	26L	Q-09.35	100L	1.038,22
Clack WS1 TC	time controlled	30L	Q-10.35	100L	1.082,85
Clack WS1 TC	time controlled	40L	Q-10.44	100L	1.157,22
Clack WS1 TC	time controlled	50L	Q-10.54	100L	1.225,80
Clack WS1 TC	time controlled	60L	Q-12.48	100L	1.430,05
Clack WS1 TC	time controlled	75L	Q-13.54	200L	1.631,96
Clack WS1 TC	time controlled	100L	C-14.65	200L	1.969,98
Clack WS1 TC	time controlled	125L	C-14.65	200L	2.097,25
Clack WS1 TC	time controlled	150L	C-16.65	300L	2.365,59

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
WS1EI		Time control		122,86
WS1EI		Volume control		163,51
WS1CI		Time control		141,06
WS1CI		Volume control		181,62
WS1CK		Volume control		189,32
General				
5303024075		WS1 bypass		76,17
5303024087		WS1 vertical adapter assy		36,21
0401354160		Float SBV2310 for softeners till 150L resin		40,21
0703020090	H12	Masonite Salt Grid For 100L / H. 12cm		46,40
0703020092	H20	Masonite Salt Grid For 200L / H. 20cm		65,09
0703020093	H30	Masonite Salt Grid For 300L / H.30cm		77,04
Monores		Monodisperse resin, supplement / L		1,09

DUOBLOC SOFTENERS

CLACK WS1.25TC

FEATURES

Our Clack WS1.25 duoblocs come with:

- Clack **WS1.25 TC chronometric electronic** valve
- Top distributor + riser tube + bottom distributor
- Brine tank
- Transformer 12V
- Composite vessel + heterodisperse resin
- Brine well with aircheck
- Mixing



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS125 TC					
Clack WS125 TC	time controlled	50L	Q-10.54	brine tank 100L	1.337,59
Clack WS125 TC	time controlled	60L	Q-12.48	brine tank 100L	1.541,84
Clack WS125 TC	time controlled	75L	Q-13.54	brine tank 200L	1.743,75
Clack WS125 TC	time controlled	100L	C-14.65	brine tank 200L	2.081,77
Clack WS125 TC	time controlled	125L	C-14.65	brine tank 200L	2.210,12
Clack WS125 TC	time controlled	150L	C-16.65	brine tank 300L	2.478,48
Clack WS125 TC	time controlled	200L	C-18.65	brine tank 300L	3.216,73

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
WS125 EI		Time control		123,48
WS125 CI		Time control		141,78
WS125 EI		Volume control		165,88
WS125 CI		Volume control		184,17
WS125 CK		Volume control		229,91
General				
5303024075		V3006	Bypass	76,17
5303024087		V3191-01	WS1 vertical adapter asy	36,21
0703020090	H12	Masonite Salt Grid For 100L / H. 12cm	for softener 10-60L	46,40
0703020092	H20	Masonite Salt Grid For 200L / H. 20cm	for softener 75-125L	65,09
0703020093	H30	Masonite Salt Grid For 300L / H.30cm	for softener 150-200L	77,04
0703020099	H12	PE Salt Grid For 100L / H. 12cm	for softener 10-60L	65,28
0703020101	H20	PE Salt Grid For 200L / H. 20cm	for softener 75-125L	118,29
0703020102	H30	PE Salt Grid For 300L / H. 30cm	for softener 150-200L	137,36
0401354160		Float SBV2310		40,21
Monores		Monodisperse resin, L		1,09

DUOBLOC SOFTENERS

CLACK WS1.5 EI

Our Clack WS1.5 duoblocs come with:

- Clack **WS1.5 EI chronometric electronic** valve
- Top distributor + riser tube 50 mm + bottom distributor
- Brine tank
- Transformer 12v
- Composite vessel + heterodisperse resin
- Brine well with aircheck



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS15 TC					
Clack WS15 EI	time controlled	75L	Q-13.54	brine tank 200L	3.342,94
Clack WS15 EI	time controlled	100L	C-14.65	brine tank 200L	3.347,76
Clack WS15 EI	time controlled	125L	C-14.65	brine tank 200L	3.498,79
Clack WS15 EI	time controlled	150L	C-16.65	brine tank 300L	3.798,68
Clack WS15 EI	time controlled	200L	C-18.65	brine tank 300L	4.619,82
Clack WS15 EI	time controlled	250L	C-21.60	brine tank 400L	5.675,13
Clack WS15 EI	time controlled	300L	C-24.69	brine tank 400L	6.809,93
Clack WS15 EI	time controlled	350L	C-24.69	brine tank 500L	7.108,10
Clack WS15 EI	time controlled	400L	C-30.72	brine tank 500L	8.911,30
Clack WS15 EI	time controlled	500L	C-30.72	brine tank 500L	9.391,92

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
WS15 CI		Time control		27,14
WS15 EI		Volume control		920,28
WS15 CI		Volume control		947,49
WS15 CK		Volume control		997,63
General				
0401354160		Float SBV2310	for softener 75-100-150L	40,21
0402036961		Float CL484	for softener 200-500L	237,02
0703020092	H20	Masonite Salt Grid For 200L / H. 20cm	for softener 75-125L	65,09
0703020093	H30	Masonite Salt Grid For 300L / H. 30cm	for softener 150-200L	77,04
0703020094	H25	Masonite Salt Grid For 400L / H. 25cm	for softener 250-300L	87,37
0703020095	H35	Masonite Salt Grid For 500L / H. 35cm	for softener 350-500L	126,70
0703020101	H20	PE Salt Grid For 200L / H. 20cm	for softener 75-125L	118,29
0703020102	H30	PE Salt Grid For 300L / H. 30cm	for softener 150-200L	137,36
0703020103	H25	PE Salt Grid For 400L / H. 25cm	for softener 250-300L	195,19
0703020104	H35	PE Salt Grid For 500L / H. 35cm	for softener 350-500L	265,14
0408016172		Mixing valve 1 1/4"	Oventrop valve 1 1/4" to be mounted as external bypass	391,81
Monores		Monodisperse resin		1,09

DUOBLOC SOFTENERS

CLACK WS2 EI

Our Clack WS2 top mount duoblocs come with:

- Clack **WS2EI chronometric electronic** valve
- Top distributor + riser tube 50 mm + bottom distributor
- Brine tank
- Transformer 12v
- Composite vessel + heterodisperse resin
- Brine well with aircheck



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS2 EI top mount					
Clack WS2 EI TM	time controlled	100L	C-14.65	brine tank 200L	3.914,01
Clack WS2 EI TM	time controlled	125L	C-14.65	brine tank 200L	4.066,33
Clack WS2 EI TM	time controlled	150L	C-16.65	brine tank 300L	4.354,03
Clack WS2 EI TM	time controlled	200L	C-18.65	brine tank 300L	5.125,26
Clack WS2 EI TM	time controlled	250L	C-21.60	brine tank 400L	6.179,29
Clack WS2 EI TM	time controlled	300L	C-24.69	brine tank 400L	7.280,74
Clack WS2 EI TM	time controlled	350L	C-24.69	brine tank 500L	7.568,35
Clack WS2 EI TM	time controlled	400L	C-30.72	brine tank 500L	9.318,78
Clack WS2 EI TM	time controlled	500L	C-30.72	brine tank 500L	9.782,82

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
Clack WS2 CI TM		Time control		25,78
Clack WS2 EI TM		Volume control		790,93
Clack WS2 CI TM		Volume control		804,83
Clack WS2 CK TM		Volume control		1.014,37
General				
0401354160		Float SBV2310	for softener 100-150L	40,21
0402036961		Float CL484	for softener 200-500L	237,02
0703020092	H20	Masonite Salt Grid For 200L / H. 20cm	for softener 100-125L	65,09
0703020093	H30	Masonite Salt Grid For 300L / H. 30cm	for softener 150-200L	77,04
0703020094	H25	Masonite Salt Grid For 400L / H. 25cm	for softener 250-300L	87,37
0703020095	H35	Masonite Salt Grid For 500L / H. 35cm	for softener 350-500L	126,70
0703020101	H20	PE Salt Grid For 200L / H. 20cm	for softener 100-125L	118,29
0703020102	H30	PE Salt Grid For 300L / H. 30cm	for softener 150-200L	137,36
0703020103	H25	PE Salt Grid For 400L / H. 25cm	for softener 250-300L	195,19
0703020104	H35	PE Salt Grid For 500L / H. 35cm	for softener 350-500L	265,14
0408016172		Mixing valve 1 1/4"	Oventrop valve 1 1/4" - to be mounted as external bypass	391,81
0408016173		Mixing valve 2"	Oventrop valve 2" - to be mounted as external bypass	562,11
Monores		Monodisperse resin		1,09
5303020005		Auxiliary microswitch asy for WS2: V3017		47,70
5303020096		No bypass WS2 F-M: V3098BSPT		530,97

DUOBLOC SOFTENERS

CLACK WS2QC EI TOP MOUNT

Our Clack WS2QC top mount duoblocs come with:

- Clack **WS2QC EI TM chronometric electronic** valve
- Top distributor + riser tube 63 mm + bottom distributor
- Brine tank
- Transformer 24v
- Composite vessel + heterodisperse resin
- Brine well with aircheck



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS2 quick connect top mount					
Clack WS2QC EI TM	time controlled	300L	C-24.69	brine tank 400L	7.735,81
Clack WS2QC EI TM	time controlled	350L	C-24.69	brine tank 500L	8.023,42
Clack WS2QC EI TM	time controlled	400L	C-30.72	brine tank 500L	9.773,86
Clack WS2QC EI TM	time controlled	500L	C-30.72	brine tank 500L	10.237,90
Clack WS2QC EI TM	time controlled	600L	C-36.72	brine tank 750L	12.078,79
Clack WS2QC EI TM	time controlled	700L	C-36.72	brine tank 750L	12.548,36
Clack WS2QC EI TM	time controlled	800L	C-36.72	brine tank 750L	13.141,88
Clack WS2QC EI TM	time controlled	900L	C-42.78	brine tank 1000L	16.614,73
Clack WS2QC EI TM	time controlled	1000L	C-42.78	brine tank 1000L	17.337,04

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
Clack WS2QC CI TM		Time control		123,41
Clack WS2QC EI TM		Volume control		825,40
Clack WS2QC CI TM		Volume control		985,32
Clack WS2QC CK TM		Volume control		987,72
General				
0402036961		Float CL484	for softener 300-1000L	237,02
0703020094	H25	Masonite Salt Grid For 400L / H. 25cm	for softener 300L	87,37
0703020095	H35	Masonite Salt Grid For 500L / H. 35cm	for softener 350-500L	126,70
0703020096	H40	Masonite Salt Grid For 750L / H. 40cm	for softener 600-800L	165,25
0703020097	H45	Masonite Salt Grid For 1000L / H. 45cm	for softener 900-1000L	286,10
0703020103	H25	PE Salt Grid For 400L / H. 25cm	for softener 300L	195,19
0703020104	H35	PE Salt Grid For 500L / H. 35cm	for softener 350-500L	265,14
0703020105	H40	PE Salt Grid For 750L / H. 40cm	for softener 600-800L	396,90
0703020106	H45	PE Salt Grid For 1000L / H. 45cm	for softener 900-1000L	459,97
0408016172		Mixing valve 1 1/4"	Oventrop valve 1 1/4" - to be mounted as external bypass	391,81
0408016173		Mixing valve 2"	Oventrop valve 2" - to be mounted as external bypass	562,11
Monores			Monodisperse resin	1,09
5303020005			Auxiliary microswitch asy for WS2: V3017	47,70
5303020096			No bypass WS2 F-M: V3098BSPT	530,97

DUOBLOC SOFTENERS

CLACK WS3

Our Clack WS3 top mount duoblocs come with:

- Clack **WS3 TM chronometric electronic** valve
- Top distributor + riser tube 90 mm + bottom distributor
- Brine tank
- Transformer 24v
- Composite vessel + heterodisperse resin
- Brine well with aircheck



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS3 top mount					
Clack WS3 TM	time controlled	400L	C-30.78	brine tank 500L	13.178,70
Clack WS3 TM	time controlled	500L	C-30.78	brine tank 500L	13.682,19
Clack WS3 TM	time controlled	600L	C-36.78	brine tank 750L	16.167,82
Clack WS3 TM	time controlled	700L	C-36.78	brine tank 750L	16.671,28
Clack WS3 TM	time controlled	800L	C-36.78	brine tank 750L	20.076,84
Clack WS3 TM	time controlled	900L	C-42.78	brine tank 1000L	22.435,22
Clack WS3 TM	time controlled	1000L	C-42.78	brine tank 1000L	23.212,43
Clack WS3 TM	time controlled	1100L	C-48.82	brine tank 1750L	26.116,12
Clack WS3 TM	time controlled	1200L	C-48.82	brine tank 1750L	26.745,55
Clack WS3 TM	time controlled	1300L	C-48.82	brine tank 1750L	27.311,10

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
Clack WS3 TM		Volume control		2.219,67
General				
0402036961		Float CL484	for softener 400-900L	237,02
5303021898		Float CL494	for softener 1000-1300L	399,11
0703020095	H35	Masonite Salt Grid For 500L / H. 35cm	for softener 350-500L	126,70
0703020096	H40	Masonite Salt Grid For 750L / H. 40cm	for softener 600-800L	165,25
0703020097	H45	Masonite Salt Grid For 1000L / H. 45cm	for softener 900-1000L	286,10
0703020098	H50	Masonite Salt Grid For 1750L / H. 50cm	for softener 1100-1300L	328,33
0703020104	H35	PE Salt Grid For 500L / H. 35cm	for softener 350-500L	265,14
0703020105	H40	PE Salt Grid For 750L / H. 40cm	for softener 600-800L	396,90
0703020106	H45	PE Salt Grid For 1000L / H. 45cm	for softener 900-1000L	459,97
0703020107	H50	PE Salt Grid For 1750L / H. 50cm	for softener 1100-1300L	508,25
0408016172		Mixing valve 1 1/4"	Oventrop valve 1 1/4" - to be mounted as external bypass	391,81
0408016173		Mixing valve 2"	Oventrop valve 2" - to be mounted as external bypass	562,11
Monores			Monodisperse resin	1,09
530302****			Auxiliary microswitch asy for WS3	on request
5303020097			No bypass WS3 F-M: V3099BSPT	1.694,91

DUOBLOC SOFTENERS

CLACK WS3 SIDE MOUNTED

Our SIDE MOUNTED duoblocs come with:

- Clack **WS3 chronometric electronic** valve
- Top distributor + riser tube 90 mm + bottom distributor
- Panoplie DN65/DN80 with stainless steel support
- Composite vessel top/bottom + heterodisperse resin
- Brine tank
- Brine well with aircheck



Reference	Code	Resin	Vessel	Brine tank	€
Clack WS3 side mount					
Clack WS3 SM	time controlled	800L	C-36.78	brine tank 750L	on request
Clack WS3 SM	time controlled	900L	C-42.78	brine tank 1000L	on request
Clack WS3 SM	time controlled	1000L	C-42.78	brine tank 1000L	on request
Clack WS3 SM	time controlled	1100L	C-48.82	brine tank 1750L	on request
Clack WS3 SM	time controlled	1200L	C-48.82	brine tank 1750L	on request
Clack WS3 SM	time controlled	1300L	C-48.82	brine tank 1750L	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
Valves				
Clack WS3 SM		Volume control		on request
General				
0402036961		Float CL454HF	for softener 800-900L	237,02
5303021898		Float CL494	for softener 1000-1300L	399,11
0703020096	H40	Masonite Salt Grid For 750L / H. 40cm	for softener 600-800L	165,25
0703020097	H45	Masonite Salt Grid For 1000L / H. 45cm	for softener 900-1000L	286,10
0703020098	H50	Masonite Salt Grid For 1750L / H. 50cm	for softener 1100-1300L	328,33
0703020105	H40	PE Salt Grid For 750L / H. 40cm	for softener 600-800L	396,90
0703020106	H45	PE Salt Grid For 1000L / H. 45cm	for softener 900-1000L	459,97
0703020107	H50	PE Salt Grid For 1750L / H. 50cm	for softener 1100-1300L	508,25
0408016172		Mixing valve 1 1/4"	Overtrop valve 1 1/4" - to be mounted as external bypass	391,81
0408016173		Mixing valve 2"	Overtrop valve 2" - to be mounted as external bypass	562,11
Monores			Monodisperse resin	1,09
530302****			Auxiliary microswitch asy for WS3	on request
5303020097			No bypass WS3 F-M: V3099BSPT	1.694,91

DUOBLOC SOFTENERS

FLECK 5600

Our standard duoblocs come with:

- Fleck **5600 chronometric electronic** valve
- Yoke 1" brass
- Top distributor + riser tube 27 mm + bottom distributor
- Brine tank + brine well
- Composite vessel + heterodisperse resin
- Aircheck 500 A
- Mixing



Duoblocs are filled up to 40L of resin

Valve	Type	Resin	Vessel	Brine tank	€
FL5600 DB					
V5600/1600	chrono 12d.	10L	Q-06.35	100L	886,57
5600/1600	chrono 12d.	14L	Q-07.35	100L	916,74
5600/1600	chrono 12d.	18L	Q-07.35	100L	932,60
5600/1600	chrono 12d.	22L	Q-08.35	100L	963,02
5600/1600	chrono 12d.	26L	Q-09.35	100L	999,68
5600/1600	chrono 12d.	30L	Q-10.35	100L	1.042,58
5600/1600	chrono 12d.	40L	Q-10.44	100L	1.112,11
5600/1600	chrono 12d.	50L	Q-10.54	100L	1.176,90
5600/1600	chrono 12d.	60L	Q-12.48	100L	1.369,56
5600/1600	chrono 12d.	75L	Q-13.54	200L	1.548,44

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
56C7D	5600/1600	chrono 7d.	Chronometric	0,00
56E8D	5600/1600	Eco 8 m ³	Volumetric	168,84
56E40D	5600/1600	Eco 40 m ³	Volumetric, starting from 14L resin	219,44
ELECTRONIC VALVES				
56CSXD	5600/1600SXT	Chrono	Chronometric	-4,89
56ESXD	5600/1600SXT	Eco	Volumetric	16,08
GENERAL				
0401358421			Yoke 3/4" brass	42,95
0401358424			Bypass 1" brass	84,26
0401354160			Float SBV 2310	40,21
0703020090	H12		Masonite Salt Grid For 100L / H. 12cm	46,40
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020099	H12		PE Salt Grid For 100L / H. 12cm	65,28
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
Monores			Monodisperse resin, supplement / L	1,09

DUOBLOC SOFTENERS

FLECK HOT WATER 4600

Our standard duoblocs come with:

- Fleck **4600 chronometric mechanical** valve - 82°C
- Top distributor + riser tube 27 mm + bottom distributor (hot water)
- Brine tank + brine well
- Vinylester vessel (up to 65°C)+ heterodisperse resin
- Aircheck hot water



Duoblocs are filled up to 40L of resin

Valve	Type	Resin	Vessel	Brine tank	€
Fleck 4600 HW					
4600/1600 hot water	chrono 12 days (65°C)	10L	T-07.35-Q3	100L	1.289,13
4600/1600 hot water	chrono 12 days (65°C)	14L	T-07.35-Q3	100L	1.307,53
4600/1600 hot water	chrono 12 days (65°C)	18L	T-07.35-Q3	100L	1.323,40
4600/1600 hot water	chrono 12 days (65°C)	22L	T-08.35-Q3	100L	1.364,79
4600/1600 hot water	chrono 12 days (65°C)	26L	T-09.35-Q3	200L	1.433,02
4600/1600 hot water	chrono 12 days (65°C)	30L	T-10.44-Q3	200L	1.440,69
4600/1600 hot water	chrono 12 days (65°C)	40L	T-10.44-Q3	200L	1.484,28
4600/1600 hot water	chrono 12 days (65°C)	50L	T-10.54-Q3	200L	1.552,86
4600/1600 hot water	chrono 12 days (65°C)	60L	T-13.54-Q3	200L	1.924,61
4600/1600 hot water	chrono 12 days (65°C)	75L	T-13.54-Q3	300L	2.040,95

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
E8D-HW-LW		4600/1600	Eco 8 m³ (65°C) bypass included	280,36
GENERAL				
0401358415			Yoke 1" BSP female brass	29,27
0401358424			Bypass 1" with red handle female inox	84,26
0401359082			Float SBV2310 hot water for softeners up to 300L resin	48,36
0703020090	H12		Masonite Salt Grid For 100L / H. 12cm	46,40
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
Monores			Monodisperse resin, supplement / L	1,09

DUOBLOC SOFTENERS

FLECK 2750 - 1"

Our Fleck 2750 duoblocs come with:

- Fleck **2750 chrono mechanical** valve
- Top distributor + riser tube 27 mm + bottom distributor
- Brine tank
- Transformer 24V
- Composite vessel + heterodisperse resin
- Aircheck (500A - 900A)
- Brine well



Valve	Type	Resin	Vessel	Brine tank	€
Fleck 2750					
2750	chrono 12 days	75L	Q-13.54	200L	1.946,54
2750	chrono 12 days	100L	C-14.65	200L	2.268,46
2750	chrono 12 days	125L	C-14.65	200L	2.393,48
2750	chrono 12 days	150L	C-16.65	300L	2.649,07
2750	chrono 12 days	200L	C-18.65	300L	3.437,79
2750	chrono 12 days	250L	C-21.60	400L	4.370,07
2750	chrono 12 days	300L	C-24.69	400L	5.337,77

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
2750C7D		2750	Chrono 7 day disk instead of 12 day disk, time controlled mechanical	0,00
2750E20D		2750	Eco 20 m³ (2750/1600)	1.021,90
2750E100D		2750	Eco 100 m³ (2750/1600)	900,79
ELECTRONIC VALVES				
2750CSXD		2750SXT	Chrono (2750/1600)	-82,49
2750CNTD		2750NXT	Chrono (2750/1600)	553,82
2750ESXD		2750SXT	Volume 1" (2750/1600)	530,99
2750ENTD1"		2750NXT	Volume 1" (2750/1600)	1.513,27
GENERAL				
0401354160		Float SBV2310	for softeners up to 150L resin	40,21
0401352316		Float SBV2350	for softeners > 200L resin	396,07
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
2750NBP			No treated (bypass) water during regeneration	154,13
Monores			Monodisperse resin, supplement / L	1,09
0407016068			Banides mixing valve 3/4" - to be mounted as external bypass	185,26
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81

DUOBLOC SOFTENERS

FLECK 2850 - 1" 1/2

Our Fleck 2850 duoblocs come with:

- Fleck **2850 chrono mechanical** valve
- Top distributor + riser tube 50 mm + bottom distributor
- Brine tank
- Transformer 24V
- Composite vessel + heterodisperse resin
- Aircheck (500A - 900A)
- Brine well



Valve	Type	Resin	Vessel	Brine tank	€
Fleck 2850					
2850	chrono 12 days	75L	T-13.54	200L	2.780,63
2850	chrono 12 days	100L	C-14.65	200L	2.784,79
2850	chrono 12 days	125L	C-14.65	200L	2.914,36
2850	chrono 12 days	150L	C-16.65	300L	3.173,84
2850	chrono 12 days	200L	C-18.65	300L	3.970,15
2850	chrono 12 days	250L	C-21.60	400L	4.883,16
2850	chrono 12 days	300L	C-24.69	400L	5.864,70
2850	chrono 12 days	350L	C-24.69	500L	6.122,67
2850	chrono 12 days	400L	C-30.72	500L	7.682,75
2850	chrono 12 days	500L	C-30.72	500L	8.098,55

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
2850C7D		2850	Chrono 7 days disk instead of 12 day disk, time controlled mechanical	0,00
2850E40D		2850	Eco 40 m³ (2850/1600)	1.117,00
2850E200D		2850	Eco 200 m³ (2850/1600)	1.012,77
ELECTRONIC VALVES				
2850C7D		2850SXT	Chrono top mount (2850/1600)	203,20
2850E40D		2850NXT	Chrono top mount (2850/1600)	437,08
2850E200D		2850SXT	Volume 1" 1/2 top mount (2850/1600)	563,66
2850E64NTD		2850 NXT	Volume 1" 1/2 top mount (2850/1600)	1.513,63
GENERAL				
0401354160		Float SBV2310	for softeners up to 150L resin	40,21
0401352316		Float SBV2350	for softeners from 200L resin	396,07
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020095	H35		Masonite Salt Grid For 500L / H. 35cm	126,70
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020104	H35		PE Salt Grid For 500L / H. 35cm	265,14
2850NBP			No treated (bypass) water during regeneration	-81,26
Monores			Monodisperse resin, supplement / L	1,09
0407016070			Banides bypass 1"	305,81
0408016172			1 ¼" Oventrop bypass valve	391,81

DUOBLOC SOFTENERS

FLECK 2910 - 2"

Our Fleck 2910 duoblocs come with:

- Fleck 2910 **chrono mechanical** valve
- Top distributor + riser tube 50 mm + bottom distributor
- Brine tank
- Transformer 24V
- Composite vessel + heterodisperse resin
- Aircheck (500A - 900A)
- Brine well



Valve	Type	Resin	Vessel	Brine tank	€
Fleck 2910 top mount					
2910 TM	chrono 12 days	100L	C-14.65	200L	3.422,58
2910 TM	chrono 12 days	125L	C-14.65	200L	3.560,90
2910 TM	chrono 12 days	150L	C-16.65	300L	3.825,30
2910 TM	chrono 12 days	200L	C-18.65	300L	4.608,12
2910 TM	chrono 12 days	250L	C-21.60	400L	5.576,79
2910 TM	chrono 12 days	300L	C-24.69	400L	6.588,06
2910 TM	chrono 12 days	350L	C-24.69	500L	6.852,38
2910 TM	chrono 12 days	400L	C-30.72	500L	8.461,06
2910 TM	chrono 12 days	500L	C-30.72	500L	8.887,52
2910 TM	chrono 12 days	600L		750L	on request
2910 TM	chrono 12 days	700L		750L	on request
2910 TM	chrono 12 days	800L		750L	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
2910C7D		2910	Chrono 7 days disk instead of 12 day disk, time controlled mechanical	0,00
2910E75D		2910	Eco 75 m³ (2910/1700)	1.186,87
2910E375D		2910	Eco 375 m³ (2910/1700)	-86,40
ELECTRONIC VALVES				
2910CSXD		2910SXT	Chrono (2910/1700)	-8,84
2910CNTD		2910NXT	Chrono (2910/1700)	367,89
2910ESXD2"		2910SXT	Volume 2" (2910/1700)	473,58
2910ENTD2"		2910NXT	Volume 2" (2910/1700)	1.511,89
GENERAL				
0401354160		Float SBV2310	for softeners up to 150L resin	40,21
0401352316		Float SBV2350	for softeners from 200L resin	396,07
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020095	H35		Masonite Salt Grid For 500L / H. 35cm	126,70
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020104	H35		PE Salt Grid For 500L / H. 35cm	265,14
2910NBP			No treated (bypass) water during regeneration	0,00
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
0408016173			Oventrop mixing valve 2" - to be mounted as external bypass	562,11
Monores			Monodisperse resin, supplement / L	1,09

DUOBLOC SOFTENERS

FLECK 3150 - 2" SIDE MOUNTED

Our Fleck 3150 SM duoblocs come with:

- Fleck 3150 **chrono mechanical** valve
- Top distributor + riser tube 63 mm + bottom distributor
- Brine tank
- Transformer 24V
- Composite vessel + heterodisperse resin
- Aircheck (500A - 900A)
- Brine well



Valve	Type	Resin	Vessel	Brine tank	€
Fleck 3150 side mount					
3150 SM	chrono 12 days	300L	C-24.69	400L	9.083,89
3150 SM	chrono 12 days	350L	C-24.69	500L	9.235,08
3150 SM	chrono 12 days	400L	C-30.72	500L	10.670,30
3150 SM	chrono 12 days	500L	C-30.72	500L	11.086,48
3150 SM	chrono 12 days	600L	C-36.72	750L	12.790,10
3150 SM	chrono 12 days	700L	C-36.72	750L	13.206,29
3150 SM	chrono 12 days	800L	C-36.72	750L	14.024,07
3150 SM	chrono 12 days	900L	C-42.78	1000L	20.806,76
3150 SM	chrono 12 days	1000L	C-42.78	1000L	21.347,04

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
3150C7D		3150	Chrono 7 days disk instead of 12 day disk, time controlled mechanical	0,00
3150E75D		3150	Eco 75 m³ (To be used for max 700L resin)	1.206,61
3150E375D		3150	Eco 375 m³	1.228,89
ELECTRONIC VALVES				
3150CNTD		3150NXT	Chrono	487,47
3150ENTD		3150NXT	Volume 2"	1.631,45
GENERAL				
0401352316		Float SBV2350	for softeners from 200L resin	396,07
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020095	H35		Masonite Salt Grid For 500L / H. 35cm	126,70
0703020096	H40		Masonite Salt Grid For 750L / H. 40cm	165,25
0703020097	H45		Masonite Salt Grid For 1000L / H. 45cm	286,10
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020104	H35		PE Salt Grid For 500L / H. 35cm	265,14
0703020105	H40		PE Salt Grid For 750L / H. 40cm	396,90
0703020106	H45		PE Salt Grid For 1000L / H. 45cm	459,97
3150NBP			No treated (bypass) water during regeneration	185,55
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
0408016173			Oventrop mixing valve 2" - to be mounted as external bypass	562,11
Monores			Monodisperse resin, supplement / L	1,09

DUOBLOC SOFTENERS

FLECK 3900 - 3" TOP MOUNT

Our Fleck 3900 duoblocs come with:

- Fleck **3900 TM chrono mechanical** valve
- Top distributor + riser tube 90 mm + bottom distributor
- Brine tank
- Transformer 24V
- Composite vessel + heterodisperse resin
- Aircheck (500A - 900A)
- Brine well



Valve	Type	Resin	Vessel	Brine tank	€
Flek 3900 top mount					
3900 TM	chrono 12 days	800L	C-36.78	750L	18.825,47
3900 TM	chrono 12 days	900L	C-42.78	1000L	20.992,86
3900 TM	chrono 12 days	1000L	C-42.78	1000L	21.507,76
3900 TM	chrono 12 days	1100L	C-48.82	1750L	24.379,23
3900 TM	chrono 12 days	1200L	C-48.82	1750L	24.957,65
3900 TM	chrono 12 days	1300L	C-48.82	1750L	25.477,40

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
3900C7D		3900	Chrono 7 days disk instead of 12 day disk, time controlled mechanical	0,00
3900E240D		3900	Eco 240 m ³	1.121,86
3900E1200D		3900	Eco 1200 m ³	1.140,06
ELECTRONIC VALVES				
3900CNTD		3900NXT	Chrono	482,79
3900ENTD		3900NXT	Volume 3"	2.582,70
GENERAL				
0401352316		Float SBV2350	for softeners from 200L resin	396,07
0703020096	H40		Masonite Salt Grid For 750L / H. 40cm	165,25
0703020097	H45		Masonite Salt Grid For 1000L / H. 45cm	286,10
0703020098	H50		Masonite Salt Grid For 1750L / H. 50cm	328,33
0703020105	H40		PE Salt Grid For 750L / H. 40cm	396,90
0703020106	H45		PE Salt Grid For 1000L / H. 45cm	459,97
0703020107	H50		PE Salt Grid For 1750L / H. 50cm	508,25
3900NBP			No treated (bypass) water during regeneration	0,00
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
0408016173			Oventrop mixing valve 2" - to be mounted as external bypass	562,11
Monores			Monodisperse resin, supplement / L	1,09

DUOBLOC SOFTENERS

AUTOTROL

Our standard duoblocs come with:

- Autotrol **255/460 TC chronometric electronic** valve
- Top distributor + riser tube + bottom distributor
- Brine tank + brine well
- Composite vessel + heterodisperse resin
- Aircheck 500 A



Duoblocs are filled up to 40L of resin
 Supplement manifold with 1" coupling - not included

Valve	Type	Resin	Vessel	Brine tank	€
AU 255/460 TC duo bloc					
255/460TC-118	chrono	10L	Q-06.35	100L	829,08
255/460TC-118	chrono	14L	Q-07.35	100L	860,34
255/460TC-118	chrono	18L	Q-07.35	100L	877,00
255/460TC-118	chrono	22L	Q-08.35	100L	908,56
255/460TC-118	chrono	26L	Q-09.35	100L	946,91
255/460TC-118	chrono	30L	Q-10.35	100L	989,80
255/460TC-118	chrono	40L	Q-10.44	100L	1.056,59
255/460TC-118	chrono	50L	Q-10.54	100L	1.078,75
255/460TC-118	chrono	60L	Q-12.48	100L	1.327,60
255/460TC-118	chrono	75L	Q-13.54	200L	1.505,41

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
MECHANICAL VALVES				
268/460TC		268/460TC-118	Chrono	33,69
ELECTRONIC VALVES				
255/740		255/740	Chrono	-2,52
255/760		255/760	Volume	178,27
268/740		268/740	Chrono	42,15
268/760		268/760	Volume	265,13
GENERAL				
0403024428			Kit manifold noryl 3/4" (instead of bypass)	20,26
0403008068			Manifold 3/4" BSP inox + kit (instead of bypass)	45,66
0403012184			Piping Boss 1" BSPT S. Steel 1/2" BSPT Drain	59,00
0403011745			Kit bypass 256 - 3/4" brass (instead of manifold)	86,57
0401221017		SBV 2310	For Autotrol 255	38,32
0703020090	H12		Masonite Salt Grid For 100L / H. 12cm	46,40
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020099	H12		PE Salt Grid For 100L / H. 12cm	65,28
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29

DUOBLOC SOFTENERS

AUTOTROL

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
0403018294			Kit mixing Logix, not mounted	12,76
0403011020			Kit mixing Logix, mounted	31,46
Monores			Monodisperse resin, supplement / L	1,09
supplement			Kit connections brass 3/4" instead of brass 1	0,00
0403021679			Bypass 1265	83,11
0403012214			Connection drain 1/2"	5,87
0401354161	10-10		Brine valve Shurz assembled with elbow 10-10	112,90

DUOBLOC SOFTENERS

AUTOTROL PERFORMA CV

Our standard duoblocs come with:

- AUTOTROL **Performa CV chronometric** electronic valve
- Top distributor + riser tube + bottom distributor
- Brine tank + brine well
- Composite vessel + heterodisperse resin
- Aircheck 500 A



Valve	Type	Resin	Vessel	Brine tank	€
Autotrol Performa CV					
278/742 CV	chrono	75L	Q-13;54	200L	1.808,45
278/742 CV	chrono	100L	C-14.65	200L	2.130,39
278/742 CV	chrono	125L	C-14.65	200L	2.254,06
278/742 CV	chrono	150L	C-16.65	300L	2.535,97
278/742 CV	chrono	200L	C-18.65	300L	3.238,34
278/742 CV	chrono	250L	C-21.60	400L	4.186,35

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
ELECTRONIC VALVES				
278/762ECO			Performa CV -278/762 volume	208,78
GENERAL				
0403021679			Bypass 1256 - including seals	83,11
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0401354161	10-10		Brine valve Shurz assembled with elbow 10-10	112,90
0401354160			Safety brine valve SBV 2310	40,21
NBP - option				
1901016574			Diaphragm valve metal 3/4"	241,47
1901016580			Diaphragm valve metal 4/4"	245,36
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin	1,09

DUOBLOC SOFTENERS

AUTOTROL MAGNUM CV 1"1/2

Our standard duoblocs come with:

- Autotrol **Magnum CV 1"1/2 chronometric electronic** valve
- Top distributor + riser tube + bottom distributor
- Brine tank + brine well
- Composite vessel + heterodisperse resin
- Aircheck 500 A



Valve	Type	Resin	Vessel	Brine tank	€
Autotrol Magnum CV					
298CV/742	chrono	75L	Q-13.54	200L	3.336,83
298CV/742	chrono	100L	C-14.65	200L	3.340,98
298CV/742	chrono	125L	C-14.65	200L	3.475,97
298CV/742	chrono	150L	C-16.65	300L	3.735,43
298CV/742	chrono	200L	C-18.65	300L	4.431,11
298CV/742	chrono	250L	C-21.60	400L	5.275,37
298CV/742	chrono	300L	C-24.69	400L	6.260,68
298CV/742	chrono	350L	C-24.69	500L	6.518,66
298CV/742	chrono	400L	C-30.72	500L	8.084,86
298CV/742	chrono	500L	C-30.72	500L	8.500,69

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
ELECTRONIC VALVES				
Magnum CV-762			Logix volume	480,50
GENERAL				
Turbine 1"			Including connection kit 1" brass (instead of 2")	0,00
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020095	H35		Masonite Salt Grid For 500L / H. 35cm	126,70
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020104	H35		PE Salt Grid For 500L / H. 35cm	265,14
0401354161	10-10		Brine valve Shurz assembled with elbow 10-10 up to 150L resin	112,90
0401354160			Safety brine valve SBV 2310 up to 150L resin	40,21
0401352316			Safety brine valve SBV 2350 200L-250L resin	396,07
0402036961			Safety brine valve Clack 484 200L-500L resin	237,02
NBP - OPTION			No hard water bypass during regeneration	0,00
0407016070			Banides bypass 1" - to be mounted as external bypass	305,81
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin	1,09

DUOBLOC SOFTENERS

AUTOTROL MAGNUM IT TOP MOUNT 2"

Our standard duoblocs come with:

- Autotrol **Magnum IT TM 2"** chronometric electronic valve
- Top distributor + riser tube + bottom distributor
- Brine tank + brine well
- Composite vessel + heterodisperse resin
- Aircheck 500 A



Valve	Type	Resin	Vessel	Brine tank	€
Autotrol Magnum IT top mount					
Magnum IT TM/742	chrono	100L	C-14.65	200L	3.389,27
Magnum IT TM/742	chrono	125L	C-14.65	200L	3.527,25
Magnum IT TM/742	chrono	150L	C-16.65	300L	3.791,67
Magnum IT TM/742	chrono	200L	C-18.65	300L	4.471,26
Magnum IT TM/742	chrono	250L	C-21.60	400L	5.450,09
Magnum IT TM/742	chrono	300L	C-24.69	400L	6.460,13
Magnum IT TM/742	chrono	350L	C-24.69	500L	6.755,17
Magnum IT TM/742	chrono	400L	C-30.72	500L	8.363,86
Magnum IT TM/742	chrono	500L	C-30.72	500L	8.790,30
Magnum IT TM/742	chrono	600L	C-36.72	750L	10.386,69
Magnum IT TM/742	chrono	700L	C-36.72	750L	10.842,72
Magnum IT TM/742	chrono	800L	C-36.72	750L	11.406,34

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
ELECTRONIC VALVES				
IT TM-762			Magnum IT TM-762 Logix volume	523,06
GENERAL				
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020095	H35		Masonite Salt Grid For 500L / H. 35cm	126,70
0703020096	H40		Masonite Salt Grid For 750L / H. 40cm	165,25
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020104	H35		PE Salt Grid For 500L / H. 35cm	265,14
0703020105	H40		PE Salt Grid For 750L / H. 40cm	396,90
0401354161	10-10		Brine valve Shurz assembled with elbow 10-10 up to 150L resin	112,90
0401354160			Safety brine valve SBV 2310 up to 150L resin	40,21
0401352316			Safety brine valve SBV 2350 200L-250L resin	396,07
0402036961			Safety brine valve Clack 484 200L-800L resin	237,02
NBP - OPTION			no hard water bypass during regeneration	0,00
0407016070			Banides bypass 1" - to be mounted as external bypass	305,81
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin	1,09

DUPLEX SOFTENERS

CLACK TWIN

Our duplex softeners with Twin Control Valve come with:

- 1 Clack **EI Twin control** valve
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- 2 Composite vessels
- Heterodisperse resin (filled up to 40L of resin)
- Brine well with aircheck
- Water meter
- 2 Connection tubes for 2nd vessel
- Transfo 12V



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS1TT EI	twin	2 x 10L	Q-06.35	100L	1.906,41
Clack WS1TT EI	twin	2 x 14L	Q-07.35	100L	1.970,39
Clack WS1TT EI	twin	2 x 18L	Q-07.35	100L	2.004,02
Clack WS1TT EI	twin	2 x 22L	Q-08.35	100L	2.158,66
Clack WS1TT EI	twin	2 x 28L	Q-09.35	200L	2.266,25
Clack WS1TT EI	twin	2 x 35L	Q-10.44	200L	2.444,56
Clack WS1TT EI	twin	2 x 40L	Q-10.44	200L	2.486,79
Clack WS1TT EI	twin	2 x 50L	Q-10.54	200L	2.609,38
Clack WS1TT EI	twin	2 x 60L	Q-12.48	200L	3.050,50
Clack WS1TT EI	twin	2 x 75L	Q-13.54	300L	3.358,79
Clack WS1TT EI	twin	2 x 100L	C-14.65	300L	4.041,35
Clack WS1TT EI	twin	2 x 125L	C-14.65	400L	4.326,25
Clack WS1TT EI	twin	2 x 150L	C-16.65	400L	4.739,85
Clack WS1TT EI	twin	2 x 200L	C-18.65	750L	6.429,74
Clack WS1TT EI	twin	2 x 250L	C-21.60	750L	8.170,62

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
ELECTRONIC VALVES				
Clack WS1TT CI			Twin volume control	16,80
Clack WS1TT CK			Twin volume control	74,79
General				
5303024075			WS1 bypass	76,17
5303024087			WS1 vertical adapter assy	36,21
0401354160			Float SBV 2310 for softener 10-150L	40,21
0402036961			Float CL484 for softener 200-250L	237,02
0703020090	H12		Masonite Salt Grid For 100L / H. 12cm	46,40
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020096	H40		Masonite Salt Grid For 750L / H. 40cm	165,25
0703020099	H12		PE Salt Grid For 100L / H. 12cm	65,28
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020105	H40		PE Salt Grid For 750L / H. 40cm	396,90
Monores			Monodisperse resin, supplement / L	1,09

DUPLEX SOFTENERS

CLACK WS1

Our WS1 EI duplex softeners come with:

- 2 Clack **WS1 EI volumetric** valve
- Alternating valve MAV
- 2 top distributors + 2 riser tubes + 2 bottom distributors
- 2 Brine tanks
- 2 Composite vessels
- Heterodisperse resin (filled up to 40L of resin)
- 2 Brine well with aircheck



Connections, 2 x bypass, 2 x kit vertical adapter assy for duplex interconnection are not included.
Vertical adapters are useable up to 14" vessels.

Valve	Type	Resin	Vessel	Brine tank	€
Clack WS1 EI DA 1BT					
Clack WS1 EI	duplex alternating	2 x 10L	Q-06.35	1 brine tank 100L	2.427,88
Clack WS1 EI	duplex alternating	2 x 14L	Q-07.35	1 brine tank 100L	2.491,87
Clack WS1 EI	duplex alternating	2 x 18L	Q-07.35	1 brine tank 100L	2.525,51
Clack WS1 EI	duplex alternating	2 x 22L	Q-08.35	1 brine tank 100L	2.580,53
Clack WS1 EI	duplex alternating	2 x 30L	Q-09.35	1 brine tank 200L	2.790,27
Clack WS1 EI	duplex alternating	2 x 35L	Q-10.44	1 brine tank 200L	2.968,58
Clack WS1 EI	duplex alternating	2 x 40L	Q-10.44	1 brine tank 200L	3.010,81
Clack WS1 EI	duplex alternating	2 x 50L	Q-10.54	1 brine tank 200L	3.136,68
Clack WS1 EI	duplex alternating	2 x 60L	Q-12.48	1 brine tank 200L	3.579,62
Clack WS1 EI	duplex alternating	2 x 75L	Q-13.54	1 brine tank 300L	3.887,88
Clack WS1 EI	duplex alternating	2 x 100L	C-14.65	1 brine tank 300L	4.570,46
Clack WS1 EI	duplex alternating	2 x 125L	C-14.65	1 brine tank 400L	4.855,34
Clack WS1 EI	duplex alternating	2 x 150L	C-16.65	1 brine tank 400L	5.274,04
Clack WS1 EI	duplex alternating	2 x 200L	C-18.65	1 brine tank 750L	6.963,91
Clack WS1 EI DA 2BT					
Clack WS1 EI	duplex alternating	2 x 10L	Q-06.35	2 brine tank 100L	2.506,06
Clack WS1 EI	duplex alternating	2 x 14L	Q-07.35	2 brine tank 100L	2.570,05
Clack WS1 EI	duplex alternating	2 x 18L	Q-07.35	2 brine tank 100L	2.603,69
Clack WS1 EI	duplex alternating	2 x 22L	Q-08.35	2 brine tank 100L	2.668,20
Clack WS1 EI	duplex alternating	2 x 28L	Q-09.35	2 brine tank 100L	2.778,28
Clack WS1 EI	duplex alternating	2 x 35L	Q-10.44	2 brine tank 100L	2.956,60
Clack WS1 EI	duplex alternating	2 x 40L	Q-10.44	2 brine tank 100L	2.998,82
Clack WS1 EI	duplex alternating	2 x 50L	Q-10.54	2 brine tank 100L	3.124,70
Clack WS1 EI	duplex alternating	2 x 60L	Q-12.48	2 brine tank 100L	3.567,51
Clack WS1 EI	duplex alternating	2 x 75L	Q-13.54	2 brine tank 200L	3.975,25
Clack WS1 EI	duplex alternating	2 x 100L	C-14.65	2 brine tank 200L	4.657,82
Clack WS1 EI	duplex alternating	2 x 125L	C-14.65	2 brine tank 200L	4.874,12
Clack WS1 EI	duplex alternating	2 x 150L	C-16.65	2 brine tank 300L	5.462,85
Clack WS1 EI	duplex alternating	2 x 200L	C-18.65	2 brine tank 300L	6.953,55

DUPLEX SOFTENERS

CLACK WS1

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
VALVES				
Clack WS1 CI			Volume control (supplement is for 2 valves)	36,21
Clack WS1 CK			Volume control (supplement is for 2 valves)	146,14
general				
Bypass			2 x WS1 bypass	152,33
Bypass Ass.			2 x WS1 vertical adapter assy (can be used up to 14" vessels)	72,42
Float SBV2310			2 x safety brine valve for softener 10-200L	160,82
		Masonite salt grid 100	for softener 10-18L 1BT	46,40
		Masonite salt grid 100	for softener 10-60L 2BT	92,80
		Masonite salt grid 200	for softener 22-60L 1BT	65,08
		Masonite salt grid 200	for softener 75-125L 2BT	130,19
		Masonite salt grid 300	for softener 75-100L 1BT	77,05
		Masonite salt grid 300	for softener 150-200L 2BT	154,10
		Masonite salt grid 400	for softener 125-150L 1BT	87,38
		Masonite salt grid 750	for softener 200L 1BT	165,25
Monores			Monodisperse resin, supplement / L	1,09
for vessels > 14", applicable for WS1 and ws1.25				
5303024082		V3007-06	WS1 Fitting 1" plastic male BSPT asy	23,32
5303024081		V3007-08	WS1 Fitting 1,25" plastic male BSPT asy	23,71

DUPLEX SOFTENERS

CLACK WS1.25

Our WS125 EI duplex softeners come with:

- 2 Clack **WS125 EI** volumetric valve
- Alternating valve MAV
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- 2 Brine tanks
- 2 Composite Vessels
- Heterodisperse resin
- 2 Brine well with aircheck



Connections, 2 x bypass, 2 x kit vertical adapter assy for duplex interconnection are not included. Vertical adapters are useable up to 14" vessels.

Valve	Type	Resin	Vessel	Brine tank	€
Clack WS125 EI DA 1BT					
Clack WS125 EI	duplex alternating	2 x 50	Q-10.54	1 X 200L	3.380,74
Clack WS125 EI	duplex alternating	2 x 60	Q-12.48	1 X 200L	3.826,04
Clack WS125 EI	duplex alternating	2 x 75	Q-13.54	1 X 300L	4.134,30
Clack WS125 EI	duplex alternating	2 x 100	C-14.65	1 X 300L	4.816,89
Clack WS125 EI	duplex alternating	2 x 125	C-14.65	1 X 400L	5.101,77
Clack WS125 EI	duplex alternating	2 x 150	C-16.65	1 X 400L	5.522,83
Clack WS125 EI	duplex alternating	2 x 200	C-18.65	1 X 750L	7.212,71
Clack WS125 EI DA 2BT					
Clack WS125 EI	duplex alternating	2 x 50	Q-10.54	2 X 100L	3.368,77
Clack WS125 EI	duplex alternating	2 x 60	Q-12.48	2 X 100L	3.813,95
Clack WS125 EI	duplex alternating	2 x 75	Q-13.54	2 X 200L	4.221,69
Clack WS125 EI	duplex alternating	2 x 100	C-14.65	2 X 200L	4.904,27
Clack WS125 EI	duplex alternating	2 x 125	C-14.65	2 X 200L	5.120,55
Clack WS125 EI	duplex alternating	2 x 150	C-16.65	2 X 300L	5.711,66
Clack WS125 EI	duplex alternating	2 x 200	C-18.65	2 X 300L	7.202,35

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
VALVES				
Clack WS125 CI			Volume control (supplement is for 2 valves)	36,59
Clack WS125 CK			Volume control (supplement is for 2 valves)	128,08
general				
Bypass		2 x WS1/125	Bypass	152,33
Connections			2 x WS1/125 vertical adapter assy (can be used up to 14" vessels)	72,42
Float SBV2310			2 x safety brine valve for softener 50-200L	160,82
		Masonite salt grid 100	for softener 50-60L 2BT	92,80
		Masonite salt grid 200	for softener 50-60L 1BT	65,08
		Masonite salt grid 200	for softener 75-125L 2BT	130,19
		Masonite salt grid 300	for softener 75-100L 1BT	77,05
		Masonite salt grid 300	for softener 150-200L 2BT	154,10
		Masonite salt grid 400	for softener 125-150L 1BT	87,38
		Masonite salt grid 750	for softener 200L 1BT	165,25
Monores			Monodisperse resin, supplement / L	1,09

DUPLEX SOFTENERS

CLACK WS1.5

Our **WS15 EI** duplex softeners come with:

- 2 Clack **WS15 EI** valve
- Alternating valve 1,5"
- WS15 meter
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- 2 Brine tanks
- 2 Composite vessels
- Heterodisperse resin
- 2 Brine well with aircheck



Connections are NOT included.

Valve	Type	Resin	Vessel	Brine tank	€
Clack WS15 EI DA 1BT					
Clack WS15 EI	duplex alternating	2 x 75L	Q-13.54	1 brine tank 300L	8.313,37
Clack WS15 EI	duplex alternating	2 x 100L	C-14.65	1 brine tank 300L	8.323,09
Clack WS15 EI	duplex alternating	2 x 125L	C-14.65	1 brine tank 400L	8.634,93
Clack WS15 EI	duplex alternating	2 x 150L	C-16.65	1 brine tank 400L	9.138,34
Clack WS15 EI	duplex alternating	2 x 200L	C-18.65	1 brine tank 750L	11.013,57
Clack WS15 EI	duplex alternating	2 x 250L	C-21.60	1 brine tank 750L	12.993,48
Clack WS15 EI	duplex alternating	2 x 300L	C-24.69	1 brine tank 750L	15.298,26
Clack WS15 EI	duplex alternating	2 x 350L	C-24.69	1 brine tank 1000L	16.108,55
Clack WS15 EI	duplex alternating	2 x 400L	C-30.72	1 brine tank 1000L	19.749,30
Clack WS15 EI	duplex alternating	2 x 500L	C-30.72	1 brine tank 1750L	21.425,20
CLACK WS15 EI DA 2BT					
Clack WS15 EI	duplex alternating	2 x 75L	Q-13.54	2 brine tanks 200L	8.408,63
Clack WS15 EI	duplex alternating	2 x 100L	C-14.65	2 brine tanks 200L	8.418,34
Clack WS15 EI	duplex alternating	2 x 125L	C-14.65	2 brine tanks 200L	8.655,40
Clack WS15 EI	duplex alternating	2 x 150L	C-16.65	2 brine tanks 300L	9.344,23
Clack WS15 EI	duplex alternating	2 x 200L	C-18.65	2 brine tanks 300L	11.002,28
Clack WS15 EI	duplex alternating	2 x 250L	C-21.60	2 brine tanks 400L	13.133,17
Clack WS15 EI	duplex alternating	2 x 300L	C-24.69	2 brine tanks 400L	15.439,29
Clack WS15 EI	duplex alternating	2 x 350L	C-24.69	2 brine tanks 500L	16.041,31
Clack WS15 EI	duplex alternating	2 x 400L	C-30.72	2 brine tanks 500L	19.682,06
Clack WS15 EI	duplex alternating	2 x 500L	C-30.72	2 brine tanks 500L	20.847,26

DUPLEX SOFTENERS

CLACK WS1.5

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
VALVES				
Clack WS15 CI			Volume control (supplement is for 2 valves)	54,43
Clack WS15 CK			Volume control (supplement is for 2 valves)	154,70
general				
Float SBV2310			2 x safety brine valve for softener 75-150L	160,82
Float CL484			2 x safety brine valve for softener 200-500L	474,04
		Masonite salt grid 200	for softener 75-125L 2BT	130,16
		Masonite salt grid 300	for softener 75-100L 1BT	77,05
		Masonite salt grid 300	for softener 150-200L 2BT	154,10
		Masonite salt grid 400	for softener 125-150L 1BT	87,38
		Masonite salt grid 400	for softener 250-300L 2BT	174,75
		Masonite salt grid 500	for softener 350-500L 2BT	253,41
		Masonite salt grid 750	for softener 200-300L 1BT	165,25
		Masonite salt grid 1000	for softener 350-400L 1BT	286,11
		Masonite salt grid 1750	for softener 500L 1BT	328,34
0407016070		Mixing valve 4/4"	Banides valve 4/4" - to be mounted as external bypass	305,81
0408016172		Mixing valve 1 1/4"	Oventrop valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin	1,09

DUPLEX SOFTENERS

CLACK WS2 CI TOP MOUNT

Our duplex softeners With WS2 CI come with:

- 2 Clack **WS2 CI** valve
- Alternating valve 2"
- WS2 meter
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- 2 Brine tanks
- 2 Composite vessels
- Heterodisperse resin
- 2 Brine well with aircheck

Connecting pipework is NOT included.



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS2 CI DA 1BT top mount					
Clack WS2 CI TM	duplex alternating	2 x 300L	C-24.69	1 brine tank 750L	17.263,55
Clack WS2 CI TM	duplex alternating	2 x 350L	C-24.69	1 brine tank 1000L	18.048,56
Clack WS2 CI TM	duplex alternating	2 x 400L	C-30.72	1 brine tank 1000L	21.582,78
Clack WS2 CI TM	duplex alternating	2 x 500L	C-30.72	1 brine tank 1750L	23.265,41
Clack WS2 CI DA 2BT top mount					
Clack WS2 CI TM	duplex alternating	2 x 300L	C-24.69	2 brine tanks 400L	17.397,56
Clack WS2 CI TM	duplex alternating	2 x 350L	C-24.69	2 brine tanks 500L	17.978,24
Clack WS2 CI TM	duplex alternating	2 x 400L	C-30.72	2 brine tanks 500L	21.512,46
Clack WS2 CI TM	duplex alternating	2 x 500L	C-30.72	2 brine tanks 500L	22.661,15

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
VALVES				
Clack WS2 EI			Volume control (supplement is for 2 valves)	-27,80
Clack WS2 CK			Volume control (supplement is for 2 valves)	419,08
Float Clack 484			2 x safety brine valve for softener 300-500L	474,04
		Masonite salt grid 400	for softener 300L 2BT	174,75
		Masonite salt grid 500	for softener 350-500L 2BT	253,41
		Masonite salt grid 750	for softener 300L 1BT	165,25
		Masonite salt grid 1000	for softener 350-400L 1BT	286,11
		Masonite salt grid 1750	for softener 500L 1BT	328,23
		PE salt grid 400	for softener 300L 2BT	390,36
		PE salt grid 500	for softener 350-500L 2BT	530,29
		PE salt grid 750	for softener 300L 1BT	396,90
		PE salt grid 1000	for softener 350-400L 1BT	459,96
		PE salt grid 1750	for softener 500L 1BT	508,25
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin, supplement / L	1,09

DUPLEX SOFTENERS

CLACK WS2QC CI TOP MOUNT

Our side mounted duplex softeners come with:

- 2 Clack **WS2QC CI** valves
- Alternating valve MAV
- WS 2" meter
- 2 Composite vessels
- Heterodisperse resin
- 2 Brine tanks
- 2 Brine wells with aircheck
- Panoplie DN50 for side mount



Valve	Type	Resin	Vessel	Brine tank	€
Clack WS2QC CI DA 1BT top mount					
Clack WS2QC CI TM	duplex alternating	2 x 300L	C-24.69	1 brine tank 750L	17.572,57
Clack WS2QC CI TM	duplex alternating	2 x 350L	C-24.69	1 brine tank 1000L	18.357,60
Clack WS2QC CI TM	duplex alternating	2 x 400L	C-30.72	1 brine tank 1000L	21.891,82
Clack WS2QC CI TM	duplex alternating	2 x 500L	C-30.72	1 brine tank 1750L	23.577,36
Clack WS2QC CI TM	duplex alternating	2 x 600L	C-36.72	1 brine tank 1750L	25.923,45
Clack WS2QC CI TM	duplex alternating	2 x 700L	C-36.72	1 brine tank 1750L	27.073,77
Clack WS2QC CI TM	duplex alternating	2 x 800L	C-36.72	1 brine tank 1750L	28.987,77
Clack WS2QC CI DA 2BT top mount					
Clack WS2QC CI TM	duplex alternating	2 x 300L	C-24.69	2 brine tanks 400L	17.706,60
Clack WS2QC CI TM	duplex alternating	2 x 350L	C-24.69	2 brine tanks 500L	18.287,28
Clack WS2QC CI TM	duplex alternating	2 x 400L	C-30.72	2 brine tanks 500L	21.821,50
Clack WS2QC CI TM	duplex alternating	2 x 500L	C-30.72	2 brine tanks 500L	22.973,09
Clack WS2QC CI TM	duplex alternating	2 x 600L	C-36.72	2 brine tanks 750L	25.574,75
Clack WS2QC CI TM	duplex alternating	2 x 700L	C-36.72	2 brine tanks 750L	26.725,06
Clack WS2QC CI TM	duplex alternating	2 x 800L	C-36.72	2 brine tanks 750L	28.639,04
Clack WS2QC CI TM	duplex alternating	2 x 900L	C-42.78	2 brine tanks 1000L	35.916,29
Clack WS2QC CI TM	duplex alternating	2 x 1000L	C-42.78	2 brine tanks 1000L	36.701,17

DUPLEX SOFTENERS

CLACK WS2QC TOP MOUNTED

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
VALVES				
Clack WS2QC EI			Volume control (supplement is for 2 valves)	-319,83
Clack WS2QC CK			Volume control (supplement is for 2 valves)	4,80
Float Clack 484			2 x safety brine valve for softener 300-1000L	474,04
		Masonite salt grid 400	for softener 300L 2BT	174,75
		Masonite salt grid 500	for softener 350-500L 2BT	253,41
		Masonite salt grid 750	for softener 300L 1BT	165,25
		Masonite salt grid 750	for softener 600-800L 2BT	330,51
		Masonite salt grid 1000	for softener 350-400L 1BT	286,11
		Masonite salt grid 1000	for softener 900-1000L 2BT	572,21
		Masonite salt grid 1750	for softener 500-800L 1BT	328,34
		PE salt grid 400	for softener 300L 2BT	390,36
		PE salt grid 500	for softener 350-500L 2BT	530,29
		PE salt grid 750	for softener 300L 1BT	396,90
		PE salt grid 750	for softener 600-800L 2BT	793,80
		PE salt grid 1000	for softener 350-400L 1BT	459,96
		PE salt grid 1000	for softener 900-1000L 2BT	919,93
		PE salt grid 1750	for softener 500-800L 1BT	508,25
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin, supplement / L	1,09

MULTIPLEX SOFTENERS

CLACK SYSTEM CONTROLLER

DESCRIPTION

With Clack valves you can make a simple alternator system consisting of 2 valves by using the Motorized Alternating Valve.

For systems consisting of more than 2 interlinked units, we advise the use of the Clack System Controller.

This controller can operate 2 to 6 valves and can direct the valves in four main setups:

- Progressive Flow
- Alternator
- Series
- Random



FEATURES

- System Controller may operate 2 - 6 units
- Clack 1", 1.25", 1.5" or 2" control valves may be used
- No plug-in AC adapters required on individual valves, all connected valves will be powered by the System Controller (except for Impression Pro, TotalCare Pro & Evolve Pro)
- System diagnostic and programming information for spreadsheet presentation may be uploaded to a standard USB drive
- Two fused Single Pole Double Throw (SPDT) relay outputs are provided
- Single demand-based meter is provided
- Coin cell lithium battery backup for time of day
- Solid state microprocessor with user-friendly front panel programming
- Front panel displays for time of day, day of week, days until next regeneration, current system flow rate and total system volume used (Totalizer)
- Front panel LED status indicators for online, standby and regeneration
- Ethernet connection
- Modbus protocol, in function of building management systems
- Circuit board has been modified to have Molex connectors for easy cable connecting

MULTIPLEX SOFTENERS

CLACK WS1 EI TRIPLEX WITH SYSTEM CONTROL

Our multiplex softeners come with:

- System controller
- Clack **WS1 EI triplex** valves
- No hardwater bypass per valve
- WS 1" meter per valve
- 3 Composite vessels + heterodisperse resin
- 3 Brine tanks
- 3 Brine wells with aircheck



Connecting pipework and support structure - not included

CLACK WS1.25 EI TRIPLEX WITH SYSTEM CONTROL

Our multiplex softeners come with:

- Clack **WS125 EI triplex** valves
- Alternating valve MAV
- WS 1.25" meter
- 3 Composite vessels + heterodisperse resin
- 3 Brine tanks
- 3 Brine wells with aircheck

Connecting pipework and support structure - not included

CLACK WS1.5 EI TRIPLEX WITH SYSTEM CONTROL

Our multiplex softeners come with:

- Clack **WS15 EI triplex** valves
- Alternating valve MAV
- WS 1.5" meter
- 3 Composite vessels + heterodisperse resin
- 3 Brine tanks
- 3 Brine wells with aircheck

Connecting pipework and support structure - not included

MULTIPLEX SOFTENERS

CLACK WS2 EI TRIPLEX WITH SYSTEM CONTROL

Our multiplex softeners come with:

- Clack **WS2 EI triplex** valves
- NHWBP
- WS 2" meter
- 3 Composite vessels + heterodisperse resin
- 3 Brine tanks
- 3 Brine wells with aircheck

Connecting pipework and support structure - not included

CLACK WS2QC EI TRIPLEX WITH SYSTEM CONTROL

Our multiplex softeners come with:

- Clack **WS2QC EI triplex** valves
- Alternating valve MAV
- WS 2" meter
- 3 Composite vessels + heterodisperse resin
- 3 Brine tanks
- 3 Brine wells with aircheck

Connecting pipework and support structure - not included

DUPLEX SOFTENERS

FLECK 9000 TWIN

Our Fleck 9000 duplex softeners come with:

- Fleck **9000 volumetric** valve + adapter
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- Transformer 24V
- 2 Composite vessels
- Heterodisperse resin (filled up to 40L of resin)
- Aircheck (500A - 900A)
- Brine well
- Connection between adapter and valve



Valve	Type	Resin	Vessel	Brine tank	€
FL 9000					
9000	8m ³ (3/4" meter)	2 x 10L	Q-06.35	100L	1.975,74
9000	8m ³ (3/4" meter)	2 x 14L	Q-07.35	100L	2.035,41
9000	8m ³ (3/4" meter)	2 x 18L	Q-07.35	100L	2.067,28
9000	8m ³ (3/4" meter)	2 x 22L	Q-08.35	100L	2.127,38
9000	8m ³ (3/4" meter)	2 x 26L	Q-09.35	200L	2.280,02
9000	8m ³ (3/4" meter)	2 x 35L	Q-10.44	200L	2.441,84
9000	8m ³ (3/4" meter)	2 x 40L	Q-10.44	200L	2.481,88
9000	8m ³ (3/4" meter)	2 x 50L	Q-10.54	200L	2.611,87
9000	8m ³ (3/4" meter)	2 x 60L	Q-12.48	200L	3.016,35
9000	8m ³ (3/4" meter)	2 x 75L	Q-13.54	300L	3.329,20
9000	8m ³ (3/4" meter)	2 x 100L	C-14.65	300L	3.955,69
9000	8m ³ (3/4" meter)	2 x 125L	C-14.65	400L	4.184,89
9000	8m ³ (3/4" meter)	2 x 150L	C-16.65	400L	4.589,78

DUPLEX SOFTENERS

FLECK 9000 TWIN

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
ELECTRONIC VALVES				
90SX3/4"		9000SXT	3/4" meter	-107,84
91SX3/4"		9100SXT	3/4" meter	-273,86
GENERAL				
YOKE BRASS 3/4"			Yoke 3/4" brass for softeners 8 or 40 m ³ , SE 3/4", ET 3/4"	0,00
YOKE BRASS 1" MIX			Yoke 1" brass + mixing for softeners 8 or 40 m ³ , SE 3/4", ET 3/4"	91,22
BPBRASS1"			Bypass 1" brass for softeners 8 or 40 m ³ , SE 3/4", ET 3/4"	91,41
BPBRASS1" MIX			Bypass 1" brass + mixing for softeners 8 or 40 m ³ , SE 3/4", ET 3/4"	172,77
0401354160			Float SBV 2310	40,21
0703020090	H12		Masonite Salt Grid For 100L / H. 12cm	46,40
0703020092	H20		Masonite Salt Grid For 200L / H. 20cm	65,09
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020099	H12		PE Salt Grid For 100L / H. 10cm	65,28
0703020101	H20		PE Salt Grid For 200L / H. 20cm	118,29
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
Monores			Monodisperse resin, supplement / L	1,09
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81

Depending on the hardness of water, we DO NOT recommend using Fleck 9000 8 m³ for more than 2 x 75L resin.

DUPLEX SOFTENERS

FLECK 9500 1 1/2" TWIN

Our Fleck 9500 duplex softeners come with:

- Fleck **9500 SXT volumetric** valve + adapter
- 2 Top distributors + 2 riser tubes + 2 bottom distributors
- Brine tank
- Transformer 24V
- 2 Composite vessels
- Heterodisperse resin
- Aircheck (500A - 900A)
- Brine well
- Connection between adapter and valve



Reference	Config.	Valve	Type Resin	Vessel	Brine Tank	€
4401015134	EUQ012061	9500 SXT	2 x 125	C-14.65	400L	on request
4401013351	EUQ012069	9500 SXT	2 x 150	C-16.65	400L	7.629,76
4401016028	EUQ013498	9500 SXT	2 x 175	C-18.65	400L	on request
4401015206	EUQ013599	9500 SXT	2 x 200	C-18.65	750L	on request
4401014432	EUQ011941	9500 SXT	2 x 250	C-21.60	750L	on request
4401015207	EUQ015373	9500 SXT	2 x 300	C-24.69	750L	on request
4401012294	EUQ016900	9500 SXT	2 x 350	C-24.69	1000L	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
ELECTRONIC VALVES				
95SX64D		9500SXT	1 1/2" meter (9500 /1600)	-199,99
GENERAL				
0401354160			Float SBV2310 for softeners up to 150L resin	40,21
0401352316			Float SBV2350 for softeners > 200L resin	396,07
0703020093	H30		Masonite Salt Grid For 300L / H. 30cm	77,04
0703020094	H25		Masonite Salt Grid For 400L / H. 25cm	87,37
0703020096	H40		Masonite Salt Grid For 750L / H. 40cm	165,25
0703020097	H45		Masonite Salt Grid For 1000L / H. 45cm	286,10
0703020102	H30		PE Salt Grid For 300L / H. 30cm	137,36
0703020103	H25		PE Salt Grid For 400L / H. 25cm	195,19
0703020105	H40		PE Salt Grid For 750L / H. 40cm	396,90
0703020106	H45		PE Salt Grid For 1000L / H. 45cm	459,97
Monores			Monodisperse resin, supplement / L	1,09
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81

DUPLEX SOFTENERS

AUTOTROL PERFORMA CV

Our external meter Autotrol duplex softeners come with:

- Autotrol **Performa CV**
- including air check in each brine tank (always 2 brine tanks)
- External drain flow control
- 1" brass connections
- 764 electronic timer
- Connecting pipework with incorporated water meter, including 2 x bypass 1256
- Transfo 12V
- Heterodisperse softening resin, food quality
- 2 riser tubes 27 mm, top and bottom distributors - mounted in the vessels
- Connecting pipework - manifold 32 mm (= KIT P10 for Duplex Alternating)



Valve	Type	Resin	Vessel	Brine tank	€
Performa 278/764 DA					
Performa CV	278/764	2 x 75L	Q-13.54	2 brine tanks 200L	4.576,47
Performa CV	278/764	2 x 100L	C-14.65	2 brine tanks 200L	5.307,14
Performa CV	278/764	2 x 125L	C-14.65	2 brine tanks 200L	5.538,65
Performa CV	278/764	2 x 150L	C-16.65	2 brine tanks 300L	6.231,64
Performa CV	278/764	2 x 200L	C-18.65	2 brine tanks 300L	8.264,96
Performa CV	278/764	2 x 250L	C-21.60	2 brine tanks 400L	10.416,36

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
			Interconnection manifold 40mm instead of 32mm (= KIT P11 for Duplex Parallel)	22,96
			Masonite salt grid 200 for softener 75-125L 2BT	130,16
			Masonite salt grid 300 for softener 150-200L 2BT	154,10
			Masonite salt grid 400 for softener 250L 2BT	174,75
			PE salt grid 200 for softener 75-125L 2BT	236,57
			PE salt grid 300 for softener 150-200L 2BT	274,72
			PE salt grid 400 for softener 250L 2BT	390,36
	Float	Shurz	2 x safety brine valve for softener 75-150L	207,53
	Float	SBV2310	2 x safety brine valve for softener 75-150L	80,41
	Float	SBV2350	2 x safety brine valve for softener 200-250L	792,14
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81
Monores			Monodisperse resin, supplement / L	1,09

DUPLEX SOFTENERS

AUTOTROL MAGNUM IT

Our external meter Autotrol duplex softeners come with:

- Autotrol **Magnum IT**
- Air check in the brine tank (1 or 2)
- KIT brass adapters BSP 2" M
- External drain flow controls
- Turbine 2" BSP M brass; to be mounted in the common outlet
- Transfo 12V
- Heterodisperse softening resin, food quality
- Riser tube 50 mm, top and bottom distributors - mounted in the vessels



Connecting pipework - not included

Valve	Type	Resin	Vessel	Brine tank	€
Magnum IT DA					
Magnum IT-764	duplex alternating	2 x 75L	Q-13.54	1 brine tank 300L	10.380,66
Magnum IT-764	duplex alternating	2 x 100L	C-14.65	1 brine tank 300L	10.410,42
Magnum IT-764	duplex alternating	2 x 125L	C-14.65	1 brine tank 400L	10.712,51
Magnum IT-764	duplex alternating	2 x 150L	C-16.65	1 brine tank 400L	11.249,35
Magnum IT-764	duplex alternating	2 x 200L	C-18.65	1 brine tank 750L	12.972,47
Magnum IT-764	duplex alternating	2 x 250L	C-21.60	1 brine tank 750L	14.778,03
Magnum IT-764	duplex alternating	2 x 300L	C-24.69	1 brine tank 750L	17.044,41
Magnum IT-764	duplex alternating	2 x 350L	C-24.69	1 brine tank 1000L	17.802,13
Magnum IT-764	duplex alternating	2 x 400L	C-30.72	1 brine tank 1000L	21.283,31
Magnum IT-764	duplex alternating	2 x 500L	C-30.72	1 brine tank 1750L	22.906,74
Magnum IT-764	duplex alternating	2 x 75L	Q-13.54	2 brine tank 200L	10.407,06
Magnum IT-764	duplex alternating	2 x 100L	C-14.65	2 brine tank 200L	10.436,81
Magnum IT-764	duplex alternating	2 x 125L	C-14.65	2 brine tank 200L	10.722,24
Magnum IT-764	duplex alternating	2 x 150L	C-16.65	2 brine tank 300L	11.527,46
Magnum IT-764	duplex alternating	2 x 200L	C-18.65	2 brine tank 300L	13.060,88
Magnum IT-764	duplex alternating	2 x 250L	C-21.60	2 brine tank 400L	14.900,05
Magnum IT-764	duplex alternating	2 x 300L	C-24.69	2 brine tank 400L	17.167,69
Magnum IT-764	duplex alternating	2 x 350L	C-24.69	2 brine tank 500L	17.737,06
Magnum IT-764	duplex alternating	2 x 400L	C-30.72	2 brine tank 500L	21.218,24
Magnum IT-764	duplex alternating	2 x 500L	C-30.72	2 brine tank 500L	22.351,33

DUPLEX SOFTENERS

AUTOTROL MAGNUM IT

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
			Masonite salt grid 200 for softener 75-125L 2BT	130,16
			Masonite salt grid 300 for softener 150-200L 2BT	154,10
			Masonite salt grid 300 for softener 75-100L 1BT	77,05
			Masonite salt grid 400 for softener 250-300L 2BT	174,75
			Masonite salt grid 400 for softener 125-150L 1BT	87,38
			Masonite salt grid 500 for softener 350-500L 2BT	253,41
			Masonite salt grid 750 for softener 200-300L 1BT	165,25
			Masonite salt grid 1000 for softener 350-400L 1BT	286,11
			Masonite salt grid 200 for softener 75-125L 2BT	130,16
			Masonite salt grid 300 for softener 150-200L 2BT	154,10
			Masonite salt grid 300 for softener 75-100L 1BT	77,05
			Masonite salt grid 400 for softener 250-300L 2BT	174,75
			Masonite salt grid 400 for softener 125-150L 1BT	87,38
			Masonite salt grid 500 for softener 350-500L 2BT	253,41
			Masonite salt grid 750 for softener 200-300L 1BT	165,25
			Masonite salt grid 1000 for softener 350-400L 1BT	286,11
			Masonite salt grid 1750 for softener 500L 1BT	328,34
			PE salt grid 200 for softener 75-125L 2BT	236,57
			PE salt grid 300 for softener 150-200L 2BT	274,72
			PE salt grid 300 for softener 75-100L 1BT	137,36
			PE salt grid 400 for softener 250-300L 2BT	390,36
			PE salt grid 400 for softener 125-150L 1BT	195,18
			PE salt grid 500 for softener 350-500L 2BT	530,29
			PE salt grid 750 for softener 200-300L 1BT	396,90
			PE salt grid 1000 for softener 350-400L 1BT	459,96
			PE salt grid 1750 for softener 500L 1BT	508,25
	Float	Shurz	2 x safety brine valve for softener 75-150L	207,53
	Float	SBV2310	2 x safety brine valve for softener 75-150L	80,41
	Float	SBV2350	2 x safety brine valve for softener 200-250L	792,14
	Float	Clack 484	2 x safety brine valve for softener 200-500L	434,90
0407016070			Banides mixing valve 4/4" - to be mounted as external bypass	305,81
0408016172			Oventrop mixing valve 1 1/4" - to be mounted as external bypass	391,81
Monores			Monodisperse resin, supplement / L	1,09

INDUSTRIAL PANOPLIES

SIMPLEX HIGH PRESSURE SOFTENER MULTI-VALVE

DESCRIPTION

Softening of water is the removal of Calcium, Magnesium and other cations by use of cation-exchange resins. The resulting water gives an extension of the lifetime of the pipework and installations further in line. The units have been designed to work up to a pressure of 16bar.

We deliver a complete plug and play unit, easily adaptable on request. Installation of a simplex softening unit requires a periodic regeneration of the resins based on brine, other chemicals are not required.

Regeneration is initiated automatically on volumetric control.



Reference	Config.	Item Name	Qmin at 8 BV m³/h	Qmax at 40 BV m³/h	Resin L	Vol. L	€
4307055121	HYE001519	Simplex High Pressure Softener Multi-valve - PN16 - dia 500 - No bypass	2	10	250	320	on request
4307055121	HYE001520	Simplex High Pressure Softener Multi-valve - PN16 - dia 500 - With bypass	2	10	250	320	on request
4307055122	HYE001521	Simplex High Pressure Softener Multi-valve - PN16 - dia 600 - No bypass	3.6	18	450	500	on request
4307055122	HYE001522	Simplex High Pressure Softener Multi-valve - PN16 - dia 600 - With bypass	3.6	18	450	500	on request
4307055123	HYE001523	Simplex High Pressure Softener Multi-valve - PN16 - dia 800 - No bypass	6	30	750	900	on request
4307055123	HYE001524	Simplex High Pressure Softener Multi-valve - PN16 - dia 800 - With bypass	6	30	750	900	on request

INDUSTRIAL PANOPLIES

DUPLEX UPFLOW SERVICE SOFTENER MULTI-VALVE

DESCRIPTION

Softening of water is the removal of Calcium, Magnesium and other cations by use of cation-exchange resins. The resulting water gives an extension of the lifetime of the pipework and installations further in line.

We deliver a complete plug and play unit, easily adaptable on request. Installation of a duplex softening unit guarantees the continuous delivery of softened water due to an alternating approach.

Softening is done in upflow service and regeneration in downflow modus which minimizes the salt usage. Regeneration is initiated automatically on hardness control. Conductivity monitoring on the drain prevents spill of water.



Reference	Config.	Item Name	Qnom at 1 bar dP m³/h	Resin L	Vol. L	€
4407055497	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 18"	8	175	250	on request
4407055498	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 21"	11	200	302.5	on request
4407055499	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 24"	12	300	436.5	on request
4407055500	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 30"	15	500	710	on request
4407055501	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 36"	21	725	1020	on request
4407055502	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 42"	34	950	1360	on request
4407055503	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 48"	43	1275	1840	on request
4407055504	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 55"	44	1650	2619	on request
4407055505	HYE Defaul	Duplex Upflow Service Softener Multi-valve - Composite 63"	53	3000	4265	on request

AQUALINE SOFTENERS

SINGLE SOFTENERS WITH MULTI-VALVE FACE PIPING & PLC (INCL. BRINE TANK)

- Softeners are with electrical act. valves. Pneumatic act. valves are optional
- Standard control panel is Siemens
- Standard surface piping material is PVC
- For softeners with FRP tanks : lateral diffusers
- For softeners with ST-37 tank:
 - up to 1600mm: lateral diffuser distribution system
 - for bigger tanks: nozzle on plate
- GRP inside coating is highly recommended for softeners with ST-37 tank

Code	Vessel	Capacity	Resin	Brine tank	Connection Service	Connection Drain	Connection Brine	€
S-3072	30x72	20	500L	1000L	DN50	DN50	DN25	on request
S-3672	36x72	27	750L	1500L	DN65	DN50	DN25	on request
S-4272	42x72	32	900L	2000L	DN65	DN50	DN25	on request
S-4872	48x72	42	1200L	2500L	DN80	DN50	DN40	on request
S-6386	63x86	50	1800L	3200L	DN80	DN50	DN40	on request

Code	Tank Dimensions (DxHtotal)	Capacity	Resin	Brine tank	Connection Service	Connection Drain	Connection Brine	€
S-1220	1250 x 3120 mm	50	1800L	3200L	DN80	DN50	DN40	on request
S-1620	1600 x 3350 mm	85	2800L	5000L	DN100	DN80	DN50	on request
S-2020	2000 x 3550 mm	135	4400L	10000L	DN125	DN80	DN50	on request
S-2420	2400 x 3750 mm	180	6300L	10000L	DN150	DN100	DN80	on request

Options:

- Galvanized piping
- Inside GRP Coating

For softeners with ST-37 tank (S-1220...S-2420) it is highly recommended to apply sandblasting inside the ST-37 vessels and GRP coating for softeners to avoid corrosion during lifetime of the softener.

AQUALINE SOFTENERS

DUPLEX SOFTENERS WITH MULTI-VALVE FACE PIPING & PLC (INCL. BRINE TANK)

Code	Vessel	Capacity	Resin	Brine tank	Connection Service	Connection Drain	Connection Brine	€
ST-3072	30x72	20	2 x 500L	1000L	DN50	DN50	DN25	on request
ST-3672	36x72	27	2 x 750L	1500L	DN65	DN50	DN25	on request
ST-4272	42x72	32	2 x 900L	2000L	DN65	DN50	DN25	on request
ST-4872	48x72	42	2 x 1200L	2500L	DN80	DN50	DN40	on request
ST-6386	63x86	50	2 x 1800L	3200L	DN80	DN50	DN40	on request

Duplex softeners include one common brine tank

Code	Tank Dimensions (DxHtotal)	Capacity	Resin	Brine tank	Connection Service	Connection Drain	Connection Brine	€
ST-1220	1250 x 3120	50	2 x 1800L	3200L	DN80	DN50	DN40	on request
ST-1620	1600 x 3350	85	2 x 2800L	5000L	DN100	DN80	DN50	on request
ST-2020	2000 x 3550	135	2 x 4400L	10000L	DN125	DN80	DN50	on request
ST-2420	2400 x 3750	180	2x 6300L	10000L	DN150	DN100	DN80	on request

Duplex softeners include one common brine tank

Options:

- Galvanized piping
- Inside GRP Coating

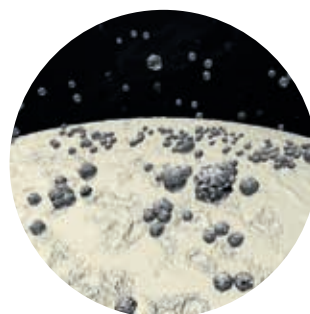
For softeners with ST-37 tank (S-1220...S-2420) it is highly recommended to apply sandblasting inside the ST-37 vessels and GRP coating for softeners to avoid corrosion during lifetime of the softener.

NEUTRACALC

NEUTRACALC - MEDIA

DESCRIPTION

Neutracalc prevents scale deposits in pipes. It is a green solution for Point of Use (POU - For local protection where space is tight) and for Point of Entry (POE - To protect the complete water circuit of houses and buildings).



HOW DOES IT WORK?

Each bead is covered with imperfections called media templates that attract minerals (Calcium, Hydrogen carbonates) and combine them to form micro-crystals that slowly grow. They then break off and float freely through the system. These crystals make their way through plumbing systems without sticking to pipes, fixtures, valves or heating elements. The first scale prevention media based system was born: Neutracalc.

MEDIA

Reference	Item Name	€
0911003640	Neutracalc media - 5L bucket	1.038,72
0911003642	Neutracalc media - 15L bucket	3.022,68
0911004297	Neutracalc media per L	208,92

NEUTRACALC

NEUTRACALC - POINT OF USE

FEATURES

- A green solution to prevent scale formation
- Compact device
- Protects all appliances that use hot water
- Maintain the efficiency of your water boiler and heating system



Reference	Config.	Item Name	Connections	Flow Rate	€
4901010001	EUQ014436	Neutracalc 1SH1	3/4" BSP F	375 l/h	375,38
4901010002	EUQ014437	Neutracalc 2SH2	3/4" BSP F	750 l/h	605,87
4901010003	EUQ014438	Neutracalc 3BH1	1" BSP F	1125 l/h	770,38
4901010004	EUQ014439	Neutracalc 4BH2	1" BSP F	1500 l/h	1.080,03

REFILLS



Reference	Item Name	€
4901000005	Neutracalc 1SH1 refill	312,01
4901000006	Neutracalc 2SH2 refill	511,35
4901000007	Neutracalc 3BH1 refill	755,72
4901000008	Neutracalc 4BH1 refill	934,24

NEUTRACALC

NEUTRACALC - POINT OF ENTRY

FEATURES

- A green solution to prevent scale formation
- Protects all appliances that use hot water
- Maintain the efficiency of your water boiler and heating system



Reference	Config.	Item Name	Connections	Flow Rate	€
4902000001	EUQ014481	Neutracalc 4 DL SFC 3.5GPM	3/4" BSP M	0.8 m³/h	586,12
4902000002	EUQ014574	Neutracalc 6 DL SFC 6GPM	1" BSP M	1.4 m³/h	678,32
4902000005	EUQ014580	Neutracalc 10 DM SFC 10GPM	1" BSP M	2.3 m³/h	961,49
4902000007	EUQ014388	Neutracalc 8 DH SFC 8GPM	1" BSP M	1.8 m³/h	816,60
4902000008	EUQ014390	Neutracalc 10 DH SFC 10GPM	1" BSP M	2.3 m³/h	974,66
4902000009	EUQ014392	Neutracalc 12 DH SFC 12GPM	1" BSP M	2.7 m³/h	1.132,71
4902000010	EUQ014394	Neutracalc 15 DH SFC 15GPM	1" BSP M	3.4 m³/h	1.369,79
4902000011	EUQ014589	Neutracalc 20 C SFC 20GPM	1.25" BSP M	4.5 m³/h	1.804,45
4902000012	EUQ014591	Neutracalc 25 C SFC 25GPM	1.25" BSP M	5.7 m³/h	2.028,36
4902000013	EUQ014593	Neutracalc 30 C SFC 30GPM	1.25" BSP M	6.8 m³/h	2.581,55
4902000014	EUQ014595	Neutracalc 35 C SFC 35GPM	1.25" BSP M	7.9 m³/h	3.095,22

NEUTRACALC

NEUTRACALC - POINT OF ENTRY

REFILLS

Reference	Item Name	€
4904000001	Neutracalc 4 refill	263,00
4904000002	Neutracalc 6 refill	389,02
4904000003	Neutracalc 8 refill	513,78
4904000004	Neutracalc 10 refill	639,62
4904000005	Neutracalc 12 refill	764,40
4904000006	Neutracalc 15 refill	1.015,53
4904000007	Neutracalc 20 refill	1.265,00
4904000008	Neutracalc 25 refill	1.517,12
4904000009	Neutracalc 30 refill	2.016,07

OPTIONS

Reference	Item Name	€
5303024075	WS1 Bypass	76,17
5303024087	WS1 Vertical adapter assy	36,21

GOOD TO KNOW

- Do not install Neutracalc on a new copper installation, as copper ions will attach to the media and prevent it from neutralizing the calcium ions
- Replace the media every year for POU and every 3 years for POE to optimize performance.
- Do not use chemicals that are incompatible with the applied technology
- A small deposit on the metal surface is absolutely normal as crystals are still in solution. This deposit can easily be wiped off using a dry cloth. Note, the surface may be bright or dull but it does not affect the use or performance of the device.

OTHER ION-EXCHANGE UNITS

NITRATE REMOVAL UNITS

FEATURES

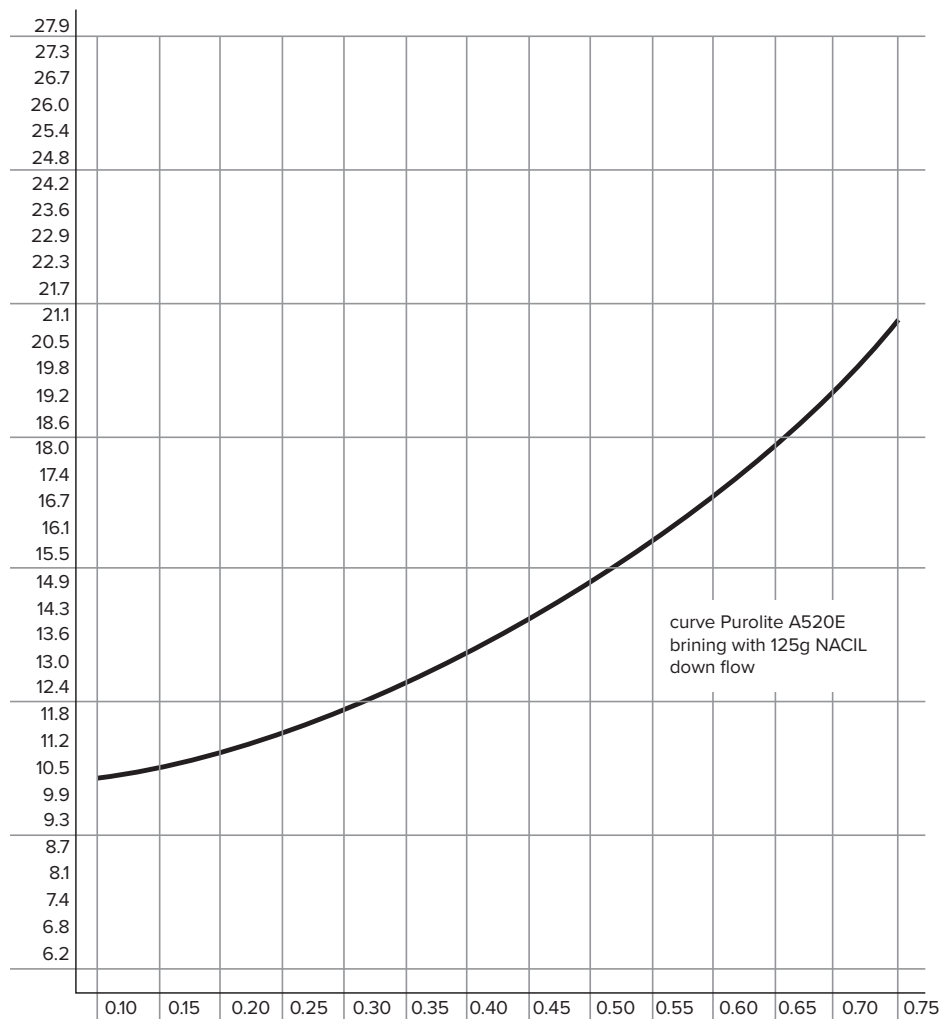
In nitrate removal a strong base anion exchange resin in the chloride form is used. As the water passes through the bed of resin contained in a pressure vessel, nitrate and other anions in water are exchanged with chloride in the resin, thus releasing chloride into the water. When the resin is saturated with respect to nitrate (indicated by nitrate breakthrough) the resin is regenerated with sodium chloride solution (brine) and the exchange process is reversed. Anions absorbed on the resin are replaced by chloride ions.



EXCHANGE CAPACITY FOR NITRATE RESIN PUROLITE A520E IN FUNCTION OF THE SELECTIVITY

Exchange capacity for nitrate resin Purolite A520E in function of the selectivity

exchange capacity
g NO, %L resin



OTHER ION-EXCHANGE UNITS

NITRATE REMOVAL UNITS

NITRATE REMOVAL MONOBLOC

Reference	Configuration	Description	€
4201054329	EUQ014753	Clack WS1 Monobloc Softener, 10L Swan Fn18 / Black-Black / Clack Valve / CK - Vol - Mix - DF / CK Label / EU Transfo / No Salt Grid / Bypass+Connection 1" / SBV 2310 Assembled / A520E Resin / 08x17	on request
4201054329	EUQ015044	Clack WS1 Monobloc Softener, 10L Penguin18" Light Grey - Blue Ral MCB / Clack Valve / CK - Vol - Mix - DF / EU Transfo / CK Label / No Salt Grid / Bypass+Conn. 1" / SBV 474 Assembled / A520E resin / 08x17	on request
4201054329	EUQ015562	Clack WS1 Monobloc Softener, 10L Swan Fn18 / White-Blue Et / Clack Valve / CK - Vol - Mix - DF / EU Transfo / CK Label / No Salt Grid / Bypass+Connection 1" / SBV 2310 Assembled / A520E Resin. / 08x17	on request
4201054329	EUQ015953	Clack WS1 Monobloc Softener, 10L Swan Fn18 / Black-Black / Clack Valve / CI - Vol - Mix - DF / EU Transfo / No Salt Grid / Bypass / Connection 1" / SBV 2310 Assembled / A520EResin / 08x17	on request
4201051627	EUQ015690	Clack WS1 Monobloc Softener, 14L Swan Fn30 / White-Blue Et / Clack Valve WS1 / CK - Vol - Mix - DF / EU Transfo / No Salt Grid / Bypass + Connection 1" / SBV 2310 Assembled / A520E Resin / Drain No Silencer / 07x30	1.468,27
4201051629	EUQ016111	Clack WS1 Monobloc Softener, 18L Penguin 35" Light Grey - Blue Ral MCB / Clack Valve / CK - Vol - Mix - UF / CK Label / EU Transfo / BP + Connection 3/4" / SBV 474 Assembled / A520E Resin / - / 07x35	1.766,30
4201058269	EUQ016116	Clack WS1 Monobloc Softener, 20L Swan Fn30 / White-Blue Et / Clack Valve WS1 / CK - Vol - Mix - DF / CK Label / EU Transfo / No Salt Grid / Bypass WS1CI + Connection 3/4" / SBV 2310 Assembled / A520E Resin / 08x30	on request
4201058261	EUQ016725	Clack WS1 Monobloc Softener, 30L Swan Fn35 / White-Blue Et / Clack Valve / CK - Vol - Mix - DF / EU Transfo / CK Label / No Salt Grid / Bypass WS1C + Connection 1" / SBV 2310 Assembled / A520E / 10x35	on request

OTHER ION-EXCHANGE UNITS

NITRATE REMOVAL UNITS

NITRATE REMOVAL DUOBLOC

Reference	Configuration	Description	€
4301054337	EUQ014414	Clack WS1 Duo Bloc Softener, 14L Brine Tank 100L / Blue Round / WS1 Clack Valve / CI - Vol - Mix - DF / Mas. S.G. H5 / NO Bypass / Connection 1" / SBV 2310 Assembled / Nitrate Resin A-520E / 07x35	on request
4301054337	EUQ014422	Clack WS1 Duo Bloc Softener, 14L Brine Tank 100L / Blue Round / WS1 Clack Valve / CI - Vol - Mix - DF / Mas. S.G. H5 / Bypass + Connection 1" / SBV 2310 Assembled / Nitrate Resin A-520E / 07x35	on request
4301054343	EUQ015423	Clack WS1 Duo Bloc Softener, 40L Brine Tank 100L / Blue / Round / Clack Valve WS1 / CK - Vol - Mix - DF / EU Transfo / CK Label / Mas. S.G. H10 / Bypass + Connection 1" / SBV 2310 Assembled / Purolite A520E / 10x44	on request
4301054344	EUQ015962	Clack WS1 Duo Bloc Softener, 50L Brine Tank 100L / White / Round / Clack Valve WS1 / CK - Vol - Mix - DF / EU type Transfo / CK Label / Mas. S.G. H10 / Bypass + 1" Connection / SBV 2310 Assembled / A520E / 10x54	on request
4301054344	EUQ016720	Clack WS1 Duo Bloc Softener, 50L Brine Tank 100L / White / Round / Clack Valve WS1 / CI - Vol - Mix - DF / - / - / Mas. S.G. H10 / BP + 1" Conn. / SBV2310 Ass. / A520E / - / 10x54	on request
4301054345	EUQ015444	Clack WS1 Duo Bloc Softener, 60L Brine Tank 100L / White / Round / Clack Valve / CI - Vol - Mix - DF / EU Transfo / Mas. S.G. H15 / NO Bypass WS1C + Connection 1" / SBV 2310 Assembled / A520E Resin / 12x48	on request
4301054348	EUQ016710	Clack WS1 Duo Bloc Softener, 125L Brine Tank 200L / Natural / Round / Clack Valve WS1 / CI - Vol - Mix - DF / EU Transfo / Mas. S.G. H15 / Bypass + 1" Connection / SBV 2310 Assembled / A520E Resin / 14x65	on request



DOMESTIC & COMMERCIAL RO - UF - FILTRATION

Residential RO	106
Domestic RO	124
Commercial RO	125
Domestic filtration	126

RESIDENTIAL RO OVERVIEW



ENJOY SMART

5 Stage
with or without
pump



ENJOY COOL

5 Stage
with or without
pump



ENJOY DIGITAL SLIM

Direct Flow:
5 Stage
with pump



ENJOY SLIM

Direct Flow:
5 Stage
with pump



VIVA 5T-SO

5 Stage
without pump



VIVA 5T-BP

5 Stage
with pump



VIVA 6T-SO

6 Stage
without pump



VIVA 6T-BP

6 Stage
with pump



VIVA 6T WITH FRAME

6 Stage
with or without pump
with frame



EF 300 & EF 500

Direct flow



RO 500

Direct flow



RO 1000

Direct flow

RESIDENTIAL RO

PALLAS ENJOY SMART

FEATURES

- 12" Pallas Inline HND 5 Micron Spun (Sediment) Filter
- 12" Pallas Inline HND GAC Coconut Carbon Cartridge Filter (UDF)
- 12" Pallas Inline HND Coconut Block Carbon Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 75 GPD Membrane
- 8,3 Liter Metallic Pressured Storage Tank
- Metallic ball valve 1/4"
- LF-30L Pump*
- 304 SS faucet
- 24V Adapter*

* BP version only



Reference	Item Name	Colours	Dimensions mm	Kg	€
5113590001	Pallas Enjoy Smart SO	Grey - White	280 x 430 x 550	11	203,53
5113590002	Pallas Enjoy Smart BP	Black - White	280 x 430 x 550	12	254,79

RESIDENTIAL RO

PALLAS ENJOY SMART

SPARE PARTS FOR PALLAS ENJOY SMART

Reference	Search Name	Item Name	€
General			
1716070005	70260120	Pallas Enjoy Filter replacement kit	18,54
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter with fittings - EN label	4,06
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter - ES label	on request
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter with fittings - EN label	4,69
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter - ES label	on request
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut with fittings - EN label	4,90
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut - ES label	on request
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220000135	03000010	1812 - 80 GPD membrane	19,22
5220030042	23000005	2,2G Metal Pressured Storage Tank	44,07
5220050002	05702017	RO Faucet	15,72
SO (Shut Off) version			
5220020015	05706026	Shut-off valve 1/4"	4,00
BP (Booster Pump) version			
5220000144	05703000	75 GPD pump	33,70
5220020124	05703059	Transformer 24V 1,5A	on request
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31
5220030007	05715005	Leak detector	5,15



PALLAS ENJOY FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Enjoy filter kit includes:

- Pallas 12" Inline HND PP sediment filter 5 micron
- Pallas 12" Inline HND GAC carbon filter
- Pallas 12" Inline HND CTO Block carbon filter
- Pallas 10" Inline HND Coconut post carbon filter (fittings included with all cartridges)

RESIDENTIAL RO

ENJOY COOL

FEATURES

- 12" Pallas Inline HND 5 Micron Spun (Sediment) Filter
- 12" Pallas Inline HND GAC Coconut Carbon Cartridge Filter (UDF)
- 12" Pallas Inline HND Coconut Block Carbon Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 75 GPD Membrane
- 12,11 Liter Metallic Pressured Storage Tank
- Metallic ball valve 3/8"
- LF-30L Pump*
- 304 SS faucet
- 24V Adapter*

* BP version only



Reference	Item Name	Colours	Dimensions mm	Kg	€
5113590003	Enjoy Cool SO	Grey - White	310 x 380 x 470	12.5	210,21
5113590004	Enjoy Cool BP	Black - White	310 x 380 x 470	13.5	270,93

RESIDENTIAL RO

ENJOY COOL

SPARE PARTS FOR ENJOY COOL

Reference	Search Name	Item Name	€
General			
1716070005	70260120	Pallas Enjoy Filter replacement kit	18,54
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter with fittings - EN label	4,06
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter - ES label	on request
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter with fittings - EN label	4,69
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter - ES label	on request
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut with fittings - EN label	4,90
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut - ES label	on request
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220000135	03000010	1812 - 80 GPD membrane	19,22
5220020105	23000010	3.2G Metal storage tank	50,72
5220050002	05702017	RO Faucet	15,72
SO (Shut Off) version			
5220020015	05706026	Shut-off valve 1/4"	4,00
BP (Booster Pump) version			
5220000144	05703000	75 GPD pump	33,70
5220020124	05703059	Transformer 24V 1,5A	on request
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31



PALLAS ENJOY FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Enjoy filter kit includes:

- Pallas 12" Inline HND PP sediment filter 5 micron
- Pallas 12" Inline HND GAC carbon filter
- Pallas 12" Inline HND CTO Block carbon filter
- Pallas 10" Inline HND Coconut post carbonfilter (fittings included with all cartridges)

RESIDENTIAL RO

PALLAS ENJOY DIGITAL SLIM



FEATURES

- 12" Pallas Inline HND 5 Micron Spun (Sediment) Filter
- 12" Pallas Inline HND GAC Coconut Carbon Cartridge Filter (UDF)
- 12" Pallas Inline HND Coconut Block Carbon Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 2 x 200 GPD Membrane in direct flow (with pump)
- 24V Adapter
- 304 SS faucet
- Metallic ball valve 1/8"



Reference	Item Name	Colours	Dimensions mm	Kg	€
5113590034	Pallas Enjoy Digital Slim RO	Black	330 x 520 x 265	13.5	449,43

DOMESTIC & COMMERCIAL
RO - UF - FILTRATION

RESIDENTIAL RO



PALLAS ENJOY SLIM (DIRECT FLOW)

SPARE PARTS FOR PALLAS ENJOY SLIM

Reference	Search Name	Item Name	€
General			
1716070005	70260120	Pallas Enjoy Filter replacement kit	18,54
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter with fittings - EN label	4,06
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter - ES label	on request
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter with fittings - EN label	4,69
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter - ES label	on request
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut with fittings - EN label	4,90
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut - ES label	on request
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220030047	03000027	Pallas 2012 - 150 GPD membrane	37,38
5220050002	05702017	RO Faucet	15,72
5220020042	05703016	300 GPD pump	111,80
5220030011	05703067	Transformer 24V 3A	41,53
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31



PALLAS ENJOY FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Enjoy filter kit includes:

- Pallas 12" Inline HND PP sediment filter 5 micron
- Pallas 12" Inline HND GAC carbon filter
- Pallas 12" Inline HND CTO Block carbon filter
- Pallas 10" Inline HND Coconut post carbon filter (fittings included with all cartridges)

RESIDENTIAL RO

PALLAS ENJOY SLIM (DIRECT FLOW)

FEATURES

- 12" Pallas Inline HND 5 Micron Spun (Sediment) Filter
- 12" Pallas Inline HND GAC Coconut Carbon Cartridge Filter (UDF)
- 12" Pallas Inline HND Coconut Block Carbon Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 2 x 150 GPD Membrane in direct flow (with pump)
- 24V Adapter
- 304 SS faucet
- Metallic ball valve 1/8"



Reference	Item Name	Colours	Dimensions mm	Kg	€
5113590005	Pallas Enjoy Slim DF	Black	330 x 520 x 265	12.5	375,39
5113590010	Pallas Enjoy Slim DF (UK)	Black	330 x 520 x 265	13.5	on request

RESIDENTIAL RO

PALLAS ENJOY DIGITAL SLIM

SPARE PARTS FOR PALLAS ENJOY DIGITAL SLIM

Reference	Search Name	Item Name	€
General			
1716070005	70260120	Pallas Enjoy Filter replacement kit	18,54
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter with fittings - EN label	4,06
5220030050	12HNDPP	12" Pallas Inline HND Sediment Filter - ES label	on request
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter with fittings - EN label	4,69
5220030051	12HNDGAC	12" Pallas Inline HND GAC Filter - ES label	on request
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut with fittings - EN label	4,90
5220030052	12HNDCTO	12" Pallas Inline HND Blok Filter Coconut - ES label	on request
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220030027	03000029	Pallas 2012 - 200 GPD membrane	13,83
5220020042	05703016	300 GPD pump	111,80
5220030011	05703067	Transformer 24V 3A	41,53
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31
5220050002	05702017	RO Faucet	15,72



PALLAS ENJOY FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Enjoy filter kit includes:

- Pallas 12" Inline HND PP sediment filter 5 micron
- Pallas 12" Inline HND GAC carbon filter
- Pallas 12" Inline HND CTO Block carbon filter
- Pallas 10" Inline HND Coconut post carbon filter (fittings included with all cartridges)

RESIDENTIAL RO

PALLAS VIVA 5T SO

FEATURES

- 10" White Opaque Housing (Double O-ring)
- 10" 5 Micron Spun (Sediment) Filter
- 10" GAC Carbon Cartridge Filter (UDF)
- 10" Block Carbon Cartridge Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 75 GPD Membrane
- 12,11 Liter Metallic Pressured Storage Tank
- 304 SS faucet
- Automatic Shut-Off Valve



Reference	Item Name	Dimensions mm	Kg	€
5113580001	Pallas Viva 5T-SO	430 x 570 x 320	11.5	188,55

PALLAS VIVA 5T BP

FEATURES

- 10" White Opaque Housing (Double O-ring)
- 10" 5 Micron Spun (Sediment) Filter
- 10" GAC Carbon Cartridge Filter (UDF)
- 10" Block Carbon Cartridge Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 75 GPD Membrane
- 12,11 Liter Metallic Pressured Storage Tank
- 304 SS faucet
- LF-30L Pump
- 24V Adapter



Reference	Item Name	Dimensions mm	Kg	€
5113580002	Pallas Viva 5T-BP	430 x 570 x 320	15	269,03

RESIDENTIAL RO

PALLAS VIVA 6T WITH FRAME

FEATURES

- 10" White Opaque Housing (Double O-ring)
- 10" 5 Micron Spun (Sediment) Filter
- 10" GAC Carbon Cartridge Filter (UDF)
- 10" Block Carbon Cartridge Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 10" Green pH filter
- 75 GPD Membrane
- 12,11 Liter Metallic Pressured Storage Tank
- 304 SS faucet
- LF-30L Pump
- 24V Adapter
- Stand type bracket
- Automatic Shut-Off Valve**

* BP version only

** SO version only



Reference	Item Name	Dimensions mm	Kg	€
5113580003	Pallas Viva 6T-SO with frame	530 x 500 x 380	17	241,92
5113580004	Pallas Viva 6T-BP with frame	530 x 500 x 380	17	308,67

RESIDENTIAL RO

PALLAS VIVA 5T & 6T (WITH FRAME)

SPARE PARTS FOR PALLAS VIVA 5T & 6T (WITH FRAME)

Reference	Search Name	Item Name	€
General			
1716070004	70260125	Pallas Viva Filter replacement kit	12,24
5220000140	80000005	Pallas PP cartridge 10" 5µ	1,41
1716040007	07100060	GAC Carbon Cartridge Filter (UDF) 10"	5,17
1716040006	07100010	Block Carbon Cartridge Filter (CTO) 10"	4,22
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220000143	81004095	10" inline green pH filter	9,55
5220000135	03000010	1812 - 80 GPD membrane	19,22
5220020105	23000010	3.2G Metal storage tank	50,72
5220050002	05702017	RO Faucet	15,72
SO (Shut Off) version			
5220020015	05706026	Shut-off valve 1/4"	4,00
BP (Booster Pump) version			
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31
5220000144	05703000	75 GPD pump	33,70
5220020124	05703059	Transformer 24V 1,5A	on request



PALLAS VIVA FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Viva filter kit includes:

- Pallas 10" PP sediment filter 5 micron
- Pallas 10" GAC carbon filter
- Pallas 10" CTO Block carbon filter
- Pallas 10" coconut post carbon filter (fittings for 1/4" tube included)

RESIDENTIAL RO

PALLAS VIVA 6T UV

SPARE PARTS FOR PALLAS VIVA 6T UV

Reference	Search Name	Item Name	€
General			
1716070004	70260125	Pallas Viva Filter replacement kit	12,24
5220000140	80000005	Pallas PP cartridge 10" 5µ	1,41
1716040007	07100060	GAC Carbon Cartridge Filter (UDF) 10"	5,17
1716040006	07100010	Block Carbon Cartridge Filter (CTO) 10"	4,22
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220000143	81004095	10" inline green pH filter	9,55
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31
5220020105	23000010	3.2G Metal storage tank	50,72
5220050002	05702017	RO Faucet	15,72
5220000135	03000010	1812 - 80 GPD membrane	19,22
5220000144	05703000	75 GPD pump	33,70
5220020090	05711001	1 GPM Undersink UV Device	69,93
5220020093	05711015	Quartz Sleeve	7,56
5220020094	05711005	6W lamp	13,83
5220020095	05711010	6W ballast	27,66



PALLAS VIVA FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Viva filter kit includes:

- Pallas 10" PP sediment filter 5 micron
- Pallas 10" GAC carbon filter
- Pallas 10" CTO Block carbon filter
- Pallas 10" coconut post carbon filter (fittings for 1/4" tube included)

RESIDENTIAL RO

PALLAS VIVA 6T SO

FEATURES

- 10" White Opaque Housing (Double O-ring)
- 10" 5 Micron Spun (Sediment) Filter
- 10" GAC Carbon Cartridge Filter (UDF)
- 10" Block Carbon Cartridge Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 10" Green pH filter
- 80 GPD Membrane
- 12,11 Liter Metallic Pressured Storage Tank
- 304 SS faucet



Reference	Item Name	Dimensions mm	Kg	€
5113580015	Pallas Viva 6T-SO	530 x 500 x 380	17	198,52

PALLAS VIVA 6T BP

FEATURES

- 10" White Opaque Housing (Double O-ring)
- 10" 5 Micron Spun (Sediment) Filter
- 10" GAC Carbon Cartridge Filter (UDF)
- 10" Block Carbon Cartridge Filter (CTO)
- 10" Pallas Inline HND Coconut Post Carbon Filter
- 10" Green pH filter
- 80 GPD Membrane
- 12,11 Liter Metallic Pressured Storage Tank
- 304 SS faucet
- LF-30L Pump
- 24V Adapter



Reference	Item Name	Dimensions mm	Kg	€
5113580016	Pallas Viva 6T-BP	530 x 500 x 380	17	241,01

RESIDENTIAL RO

PALLAS VIVA 6T (WITHOUT FRAME)

SPARE PARTS FOR PALLAS VIVA 6T (WITHOUT FRAME)

Reference	Search Name	Item Name	€
General			
1716070004	70260125	Pallas Viva Filter replacement kit	12,24
1716040007	07100060	GAC Carbon Cartridge Filter (UDF) 10"	5,17
1716040006	07100010	Block Carbon Cartridge Filter (CTO) 10"	4,22
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220000140	80000005	Pallas PP cartridge 10" 5µ	1,41
5220000143	81004095	10" inline green pH filter	9,55
5220000135	03000010	1812 - 80 GPD membrane	19,22
5220020105	23000010	3.2G Metal storage tank	50,72
5220050002	05702017	RO Faucet	15,72
SO (Shut Off) version			
5220020015	05706026	Shut-off valve 1/4"	4,00
BP (Booster Pump) version			
5220020030	05710000	24V solenoid valve 1/4" NPT	7,31
5220020124	05703059	Transformer 24V 1,5A	on request
5220000144	05703000	75 GPD pump	33,70



PALLAS VIVA FILTER REPLACEMENT KIT

Complete filter kits to replace all cartridges of your residential reverse osmosis unit at once. All filters in one complete kit, filter connections included.

Pallas Viva filter kit includes:

- Pallas 10" PP sediment filter 5 micron
- Pallas 10" GAC carbon filter
- Pallas 10" CTO Block carbon filter
- Pallas 10" coconut post carbon filter (fittings for 1/4" tube included)

RESIDENTIAL RO



PALLAS EF300 & EF500 (DIRECT FLOW)

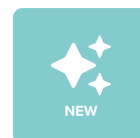
FEATURES

- Direct flow
- 10" White Opaque Housing (Double O-ring)
- 10" 5 Micron Spun (Sediment) Filter
- 10" GAC Carbon Cartridge Filter (UDF)
- 10" Block Carbon Cartridge Filter (CTO)
- 12" Inline HND GAC Post Carbon Filter
- 300 or 500 GPD Membrane
- 300 or 500 GPD Pump
- 304 SS faucet
- Manometer (10 Bar)
- Adapter



Reference	Item Name	Dimensions mm	Kg	€
5113580005	Pallas EF300 (direct flow) with pump and frame	430 x 530 x 270	15	418,68
5113580017	Pallas EF500 (direct flow) with pump and frame	430 x 530 x 270	15	449,43

RESIDENTIAL RO



PALLAS EF300 & EF500

SPARE PARTS FOR PALLAS EF300 & EF500

Reference	Search Name	Item Name	€
General			
5220000141	80001000	Pallas Stout Spun (Sediment) Filter 10"	1,40
5220020058	07102005	Pallas Stout GAC Carbon Cartridge Filter (UDF) 10"	12,00
5220020059	07102011	Pallas Stout Block Carbon Cartridge Filter (CTO) 10"	5,94
5220020101	81001000	Pallas Inline HND Post Carbon Coconut 12"	7,11
5220050002	05702017	RO Faucet	15,72
EF300 version			
5220020063	03000028	Pallas 3012 - 300 GPD membrane	73,89
5220020042	05703016	300 GPD pump	111,80
5220020043	05703092	300 GPD transformer	71,87
EF500 version			
5220020117	03000031	3012 - 500 GPD membrane	74,19
5220020080	05703018	500 GPD pump	167,63
5220020089	05703075	500 GPD transformer	44,76

RESIDENTIAL RO

PALLAS RO500 (DIRECT FLOW)

FEATURES

- 20" Opaque Blue Housing (2 pcs)
- 20" Transparent Housing (1 pcs)
- 20" 5 Micron Spun (Sediment) Filter
- 20" GAC Carbon Cartridge Filter (UDF)
- 20" Block Carbon Cartridge Filter (CTO)
- 12" Post Carbon Coconut
- 5x100 GPD = 500 GPD Membrane (Tecflo Brand)
- 500 GPD Pump
- 304 SS faucet
- Manometer (10 Bar)
- Adapter



Reference	Item Name	Dimensions mm	Kg	€
5113580006	Pallas RO500WP (direct flow)	240 x 800 x 500	25	684,08
5113580012	Pallas RO500WP (direct flow) UK	240 x 800 x 500	25	694,05

SPARE PARTS FOR PALLAS RO500

Reference	Search Name	Item Name	€
General			
5220050002	05702017	RO Faucet	15,72
5220020067	03000026	2012 - 100 GPD Membrane	28,78
1716020023	80000040	20" Pallas PP Sediment Filter Cartridge 5μ	2,94
1716060018	81009011	10" Pallas Inline HND Post Carbon Coconut Filter with fittings	3,14
5220020078	07101010	Pallas Block Carbon Cartridge Filter (CTO) 20"	8,67
5220020079	07101030	Pallas GAC Carbon Cartridge Filter (UDF) 20"	11,93
5220020070	05710003	Solenoid valve 36 V	10,71
5220020080	05703018	500 GPD pump	167,63
5220020089	05703075	500 GPD transformer	44,76

RESIDENTIAL RO

PALLAS RO1000 (DIRECT FLOW)

FEATURES

- 20" Black Housing (2 pcs)
- 20" Big 5 Micron Spun (Sediment) Filter
- 20" Big Carbon Block Cartridge Filter
- 12" Post Carbon Coconut
- 2 x 500 GPD Membranes
- 2 x 500 GPD Pumps
- 304 SS faucet
- Manometer (10 Bar)
- 2 x 500 GPD transformer



Reference	Item Name	Dimensions mm	Kg	€
5113580021	Pallas RO1000WP (direct flow)	400 x 950 x 530	33	1.225,71

SPARE PARTS FOR PALLAS RO1000 (DIRECT FLOW)

Reference	Search Name	Item Name	€
General			
5220050002	05702017	RO Faucet	15,72
5220020117	03000031	3012 - 500 GPD membrane	74,19
1716020035	80003030	20" BB Sediment Cartridge 5μ	7,56
1716040005	07007075	20" BB Carbon Filter	32,67
5220020101	81001000	Pallas Inline HND Post Carbon Coconut 12"	7,11
5220020089	05703075	500 GPD transformer (2 required)	44,76
5220020080	05703018	500 GPD pump (2 required)	167,63

DOMESTIC RO

ZERO RO

ADVANTAGES

Zero RO offers in one product:

- Faucet with filter change alarm (smart tap)
- High instantaneous flow
- No electricity required
- Quiet and compact



SPECIFICATIONS

Flow Rate	3 l/min
Min. Operating Pressure	1,5 bar
Max. Operating Pressure	6 bar
Min. Operating Temperature	5°C
Max. Operating Temperature	35°C
Pre-Post filtration	CB AG 0,5 MS Profine Carbon Block
Capacity Filters	7000 L

Reference	Item Name	€
5122000019	Zero RO with tap	875,67
5122000003	Zero RO with Profine LED tap	1.054,92

SPARE PARTS

Reference	Item Name	€
5241000004	Kit 2 membranes ZERO 1812 150GPD	276,71
5241000018	Kit prepost Profine filters Zero standard 0,5µ	92,09

COMMERCIAL RO

ZERO RO PROFESSIONAL

ADVANTAGES

Zero RO professional is a reverse osmosis system:

- High instantaneous flow rate
- Without electricity
- Includes activated pre-treatment and post-treatment activated carbon filters with bacteriostatic action
- With expansion integrated vessel with patented features
- With an exclusive layout that creates important savings in water use
- Exclusive and compact design
- Equipped with integrated support bracket for horizontal and vertical mounting
- With conductivity adjustment screw

All features that make Zero Professional a unique product for osmotized water production.



DOMESTIC & COMMERCIAL
RO - UF - FILTRATION

Reference	Item Name	€
5122000002	Zero RO Professional	868,80

SPARE PARTS

Reference	Item Name	€
5241000004	Kit 2 membranes ZERO 1812 150GPD	276,71
5241000020	Kit prepost Profine filters ZERO Professional 5μ	88,87



DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES

DESCRIPTION

The Pallas Plus Cartridges are a unique range to improve the taste, odour, filtration or concentration of sediments in your water. Our passion for water resulted in these high-end single point-of-use filter cartridges. Each color represents a different kind of treatment. Choose your entry point (for instance under a sink) and with a simple installation, you just add the cartridge that suits your needs. Pallas Filter Cartridges? An other clear vision on water!

WHAT MAKES YOUR PALLAS CARTRIDGES UNIQUE?

- ✓ Extensive range of cartridges
- ✓ Improves taste
- ✓ Pick your color, pick your solution
- ✓ Eliminates odour
- ✓ Easy & simple installation
- ✓ Filters water
- ✓ Plug & Play
- ✓ Reduces the concentrate of particular sediments
- ✓ Point-of-use device

CARTRIDGE HEADS

Thanks to 4 options, you can opt for the cartridge head that suits your needs the best:



Series Head:

provides the input and the output from an opposite line and can be used on its own or as a component in treatments combining different types of cartridges for various stages of filtration.



Parallel Head:

provides the input and the output in line. It can be used as a on its own or as the final component of a parallel system combining the same type of cartridge in order to increase the autonomy or flow rate.



Single Head:

provides the input and the output from the same side and can be used on its own or as the final component of a system combining different types of cartridges. It is designed to get more compact during installation.



R Head:

provides the input and the output in opposite line and can be used on its own or matched exclusively to cartridges series R. The head has irreversible flow and is equipped with flow control and non-return valve in accordance with the regulations.

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES



RED

Pretreatment
in water treatment
system



BLUE

Dechlorination and
purification of drinking
water



SILVER

Antibacterial,
dechlorination
and purification of
drinking water



GOLD

Ultrafiltration of
drinking water



ARSENIC

Cartridge for the
removal of arsenic



NITRATES

Removal of nitrates in
drinking water



PFAS

Removal of
Perfluoroalkyls



ROCK

Remineralization
of drinking water



ICE

Formation of a
transparent and bright
ice



OCRA

Water softening-
controlled with strong
cationic resin



VIOLET

Decarbonation with
weak cationic resin &
pH Control



LILAC

Decarbonation with
weak cationic resin



YELLOW

Total demineralization

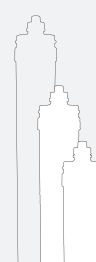
Dimensions

SMALL Ø 87,4 mm | h 270 mm

MEDIUM Ø 87,4 mm | h 385 mm

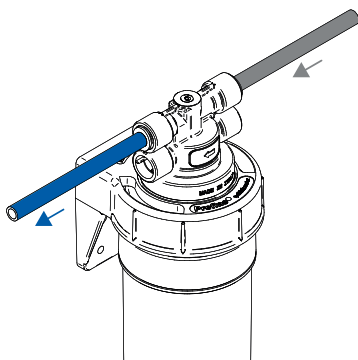
LARGE Ø 87,4 mm | h 530 mm

When installing and replacing the filter, consider
the space required to remove the cartridge.



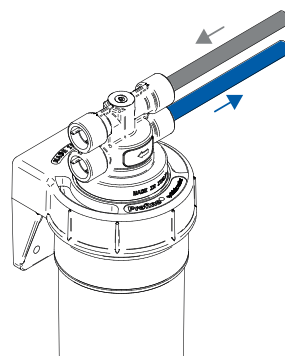
DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGE HEADS



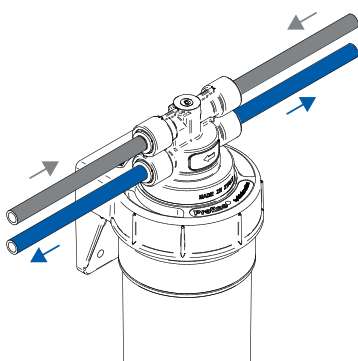
SERIES HEAD

Provides the input and the output from an opposite line and can be used on its own or as a component in treatments combining different types of cartridges for various stages of filtration.



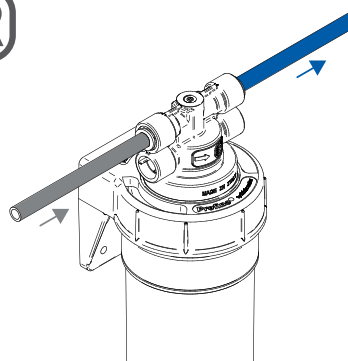
SINGLE HEAD

Provides the input and the output from the same side and can be used on its own or as the final component of a system combining different types of cartridges. It is designed to get more compact during installation.



PARALLEL HEAD

Provides the input and the output in line. It can be used on its own or as the final component of a parallel system combining the same type of cartridge in order to increase the autonomy or flow rate.



R HEAD

Provides the input and the output in opposite line and can be used on its own or matched exclusively to cartridges series R. The head has reversible flow and is equipped with flow control and non-return valve.

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - RED

DESCRIPTION

Prefiltration in systems of water treatment

Pallas filter cartridge Red reduces turbidity as well as suspended particles with a filter rating of 5 µm. This is a quick-connect cartridge with extruded polypropylene.

The first essential step to have clean drinking water.

FEATURES

- Stops dirt and sand
- Reduces water turbidity
- Efficient by itself or as pre-treatment



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010004	Pallas cartridge sediment RED (Exclusive) - Small	3 l/min	Until clogging	24,14
1762010004	Pallas cartridge sediment RED (Exclusive) - Medium	5 l/min	Until clogging	28,56
1762010004	Pallas cartridge sediment RED (Exclusive) - Large	7 l/min	Until clogging	34,96

Capacities may vary based on incoming water and flow rates
Max Dp 2.5 bar

COMPATIBLE HEADS

Reference	Item Name	€
1662010004	Head serial flow with wall bracket 3/8" (Exclusive)	38,82
1662010005	Head single side flow with wall bracket 3/8" (Exclusive)	38,82
1662010006	Head in parallel flow with wall bracket 3/8" (Exclusive)	47,71

* 1/4", 8mm and 10mm are also available for the same price.



Series Head



Single Head



Parallel Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - BLUE

DESCRIPTION

Drinking water dechlorination and clarification

Pallas filter cartridge Blue reduces and removes turbidity in water, chlorine, off-tastes and odours. This cartridge has a 5 µm filter rating.

FEATURES

- Removes odours and off-tastes
- Reduces chlorine
- Reduces water turbidity
- Reduces the organic macromolecules presence



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010001	Pallas cartridge carbon block BLUE (Exclusive) - Small	3 l/min	15.000 l	32,40
1762010001	Pallas cartridge carbon block BLUE (Exclusive) - Medium	5 l/min	24.000 l	39,60
1762010001	Pallas cartridge carbon block BLUE (Exclusive) - Large	7 l/min	45.000 l	49,75

Capacities may vary based on incoming water and flow rates

COMPATIBLE HEADS

Reference	Item Name	€
1662010004	Head serial flow with wall bracket 3/8" (Exclusive)	38,82
1662010005	Head single side flow with wall bracket 3/8" (Exclusive)	38,82
1662010006	Head in parallel flow with wall bracket 3/8" (Exclusive)	47,71

* 1/4", 8mm and 10mm are also available for the same price.



Series Head



Single Head



Parallel Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - SILVER

DESCRIPTION

Microfiltration taste & odour removal

Pallas filter cartridge Silver removes bad odours and off-tastes, reduces chlorine, and has a filter rating of 0.5 µm. The cartridge is produced using Pallas cartridges Carbon Block technology enriched with SILVER ions to give bacteriostatic feature to the filter.

FEATURES

- Removes odours and off-tastes
- Reduces chlorine
- Guarantees a bacteriostatic action
- Reduces the organic macromolecules presence



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010002	Pallas cartridge carbon block SILVER (Exclusive) - Small	3 l/min	15.000 l	51,80
1762010002	Pallas cartridge carbon block SILVER (Exclusive) - Medium	5 l/min	24.000 l	64,25
1762010002	Pallas cartridge carbon block SILVER (Exclusive) - Large	7 l/min	45.000 l	82,00

Capacities may vary based on incoming water and flow rates

COMPATIBLE HEADS

Reference	Item Name	€
1662010004	Head serial flow with wall bracket 3/8" (Exclusive)	38,82
1662010005	Head single side flow with wall bracket 3/8" (Exclusive)	38,82
1662010006	Head in parallel flow with wall bracket 3/8" (Exclusive)	47,71

* 1/4", 8mm and 10mm are also available for the same price.



Series Head



Single Head



Parallel Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - GOLD

DESCRIPTION

Ultrafiltration for drinking water

Pallas filter cartridge Gold is the certainty for drinking water. 0.1 µm filtration and Carbon Block Pallas cartridges technology added with silver ions combined with an ultrafiltration stage that prevents the passage of 99.9999% of bacteria.

FEATURES

- Removes odours and off-tastes
- Reduces chlorine
- Prevents passage of 99.9999% of bacteria
- Reduces the organic macromolecules presence



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010003	Pallas cartridge GOLD with carbon block (Exclusive) - Small	3 l/min	7.000 l	85,76
1762010003	Pallas cartridge GOLD with carbon block (Exclusive) - Medium	5 l/min	10.000 l	95,68
1762010003	Pallas cartridge GOLD with carbon block (Exclusive) - Large	7 l/min	15.000 l	108,95

Gold Ultra Filtration hollow fibers are sensitive for clogging in applications with lower inlet water quality and old pipe systems.

Capacities may vary based on incoming water and flow rates

COMPATIBLE HEADS

Reference	Item Name	€
1662010004	Head serial flow with wall bracket 3/8" (Exclusive)	38,82
1662010005	Head single side flow with wall bracket 3/8" (Exclusive)	38,82
1662010006	Head in parallel flow with wall bracket 3/8" (Exclusive)	47,71

* 1/4", 8mm and 10mm are also available for the same price.



Series Head

Single Head

Parallel Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - ARSENIC

DESCRIPTION

Filter for arsenic removal

Pallas filter cartridge Arsenic reduces the concentration of arsenic. Selective arsenic resin and final filtration stage at 0.5 µm with Pallas cartridges Carbon Block technology added with silver ions for bacteriostatic action. To be used with arsenic concentration up to 50 µg/l.

FEATURES

- Removes odours and off-tastes and reduces chlorine
- Guarantees a bacteriostatic action
- Reduces concentration of arsenic



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010008	Pallas cartridge ARSENIC with carbon block (Exclusive) - Small	1 l/min	10.000 l	75,34
1762010008	Pallas cartridge ARSENIC with carbon block (Exclusive) - Medium	1.5 l/min	15.000 l	116,12
1762010008	Pallas cartridge ARSENIC with carbon block (Exclusive) - Large	2 l/min	20.000 l	163,72

Flow rates and autonomy calculated with concentrations of 50 µg / l of arsenic.
Exchange capacities may vary based on arsenic concentrations of incoming water and flow rates.

COMPATIBLE HEADS

Reference	Item Name	€
1662010017	Head "R" with wall bracket 3/8" (Exclusive) - 1 l/min	42,82
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - NITRATE

DESCRIPTION

Filter for Nitrate removal

Pallas filter cartridge Nitrate reduces the concentration of nitrates. Selective nitrate resin and final filtration stage at 0.5 µm with Pallas cartridges Carbon Block technology added with silver ions for bacteriostatic action. To be used with nitrates concentration up to 50 mg/l.

FEATURES

- Removes odours and off-tastes and reduces chlorine
- Guarantees a bacteriostatic action
- Reduces concentration of nitrates



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010009	Pallas cartridge NITRATES (Exclusive) - Small	1 l/min	900 l	55,63
1762010009	Pallas cartridge NITRATES (Exclusive) - Medium	1.5 l/min	1.400 l	58,69
1762010009	Pallas cartridge NITRATES (Exclusive) - Large	2 l/min	2.200 l	81,60

Flow rates and calculated autonomies with concentrations of 60 mg / l of nitrates. The exchange capacities may vary depending on the nitrate concentrations of the incoming water and the flow rates.

COMPATIBLE HEADS

Reference	Item Name	€
1662010017	Head "R" with wall bracket 3/8" (Exclusive) - 1 l/min	42,82
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - PFAS

DESCRIPTION

Domestic filtration which removes the PFAS

Pallas filter cartridge PFAS removes Perfluorocarbons PFCs and bad odours and off-tastes in drinking water. Perfluorocarbons PFCs selective resin, with Pallas cartridges Carbon Block 0.5 µm final stage filtration enriched with a silver ions to give a bacteriostatic feature. Used for drinking water with maximum 500 g/l Pfas concentration.

FEATURES

- Removes odours and off-tastes and reduces chlorine
- Guarantees a bacteriostatic action
- Reduces concentration of pfas



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010013	Pallas cartridge PFAS (Exclusive) - Medium	2 l/min	11.000 l	226,03
1762010013	Pallas cartridge PFAS (Exclusive) - Large	2 l/min	11.000 l	290,99

Capacities may vary based on incoming water and flow rates

COMPATIBLE HEADS

Reference	Item Name	€
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - ROCK

DESCRIPTION

Remineralisation for drinking water

Pallas filter cartridge Rock re-mineralizes water. It can be used in many food applications (for example for the preparation of drinks) and as a post filter in reverse osmosis systems. Pallas ROCK increases the pH in water, bringing it back to basic range.

FEATURES

- Remineralizing action
- Bring pH back to basic range



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010010	Pallas cartridge ROCK (Exclusive) - Small	2 l/min	10.000 l	41,14
1762010010	Pallas cartridge ROCK (Exclusive) - Medium	3.7 l/min	16.000 l	46,83
1762010010	Pallas cartridge ROCK (Exclusive) - Large	5 l/min	25.000 l	53,91

Capacities may vary based on incoming water and flow rates

COMPATIBLE HEADS

Reference	Item Name	€
1662010030	Head "R" no flow control with wall bracket 3/8" (Exclusive)	42,65

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - ICE

DESCRIPTION

Brighting ice with bacteriostatic

Pallas filter cartridge Ice for brighting ice. It has a first filtration and adsorbent stage made by a 0.5 µm Pallas cartridges Carbon Block technology, that eliminates unpleasant odours and tastes and a bacteriostatic action through silver ions. An anti-limescale final stage provides protection against limescale precipitation even at low temperatures as in ice production systems.

FEATURES

- Limescale protection and brilliant ice
- Removes odours, off-tastes and chlorine
- Bacteriostatic action



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010011	Pallas cartridge ICE (Exclusive) - Small	1.5 l/min	10.000 l	60,67
1762010011	Pallas cartridge ICE (Exclusive) - Medium	2.5 l/min	22.000 l	73,00
1762010011	Pallas cartridge ICE (Exclusive) - Large	3.5 l/min	30.000 l	83,32

Capacities may vary based on incoming water and flow rates

Production may vary depending on the quality of the incoming water. With reference to the lifetime of the PWG cartridges ICE Large cartridge, internal tests have shown a range of 45000 l.

COMPATIBLE HEADS

Reference	Item Name	€
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82
1662010020	Head "R" with wall bracket 3/8" (Exclusive) - 2.5 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - OCRA

DESCRIPTION

Total hardness reduction and microfiltration

Pallas filter cartridge Ocra is total water softening thanks to a special resin. Suitable for hotels, restaurants and coffee bars. Ocra offers limescale protection.

FEATURES

- Fixed bypass of approx 25%
- Reduces total hardness



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010006	Pallas cartridge OCRA strong cation gel resin (Exclusive) - Small	1.5 l/min	670 l	44,27
1762010006	Pallas cartridge OCRA strong cation gel resin (Exclusive) - Medium	2 l/min	1.100 l	51,02
1762010006	Pallas cartridge OCRA strong cation gel resin (Exclusive) - Large	2.5 l/min	1.600 l	59,94

Calculated capacities with an inlet water hardness of 10 °dH and 25% internal by-pass of the cartridge.
The exchange capacities may vary depending on the hardness of the incoming water and the flow rates.

COMPATIBLE HEADS

Reference	Item Name	€
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82
1662010020	Head "R" with wall bracket 3/8" (Exclusive) - 2.5 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - VIOLET

DESCRIPTION

Temporary hardness reduction and microfiltration

Pallas filter cartridge Violet is part of the filtration line dedicated to the removal of temporary hardness. Suitable for hotels, restaurants and coffee bars. Pallas Violet Limescale protection. Equipped with Pallas cartridges Carbon Block it also removes odours and off-taste, reduces chlorine and performs a bacteriostatic action. The cartridges has pH control: reduction to around pH of 7.

FEATURES

- Removes odours and off-tastes
- Reduces chlorine
- Guarantees a bacteriostatic action
- pH control
- Reduces total hardness
- Protection of plants
- Efficient against limescale



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010007	Pallas cartridge VIOLET weak cation-carbossilic (Exclusive) - Small	1.5 l/min	700 l	55,44
1762010007	Pallas cartridge VIOLET weak cation-carbossilic (Exclusive) - Medium	2 l/min	1.100 l	70,67
1762010007	Pallas cartridge VIOLET weak cation-carbossilic (Exclusive) - Large	2.5 l/min	1.600 l	86,70

Exchange capacities may vary based on total hardness concentrations of incoming water and flow rates.
Calculated capacities with an inlet water hardness of 10 °dH.

COMPATIBLE HEADS

Reference	Item Name	€
1662010017	Head "R" with wall bracket 3/8" (Exclusive) - 1 l/min	42,82
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - LILAC

DESCRIPTION

Temporary hardness reduction and microfiltration

Pallas filter cartridge Lilac is part of the filtration line dedicated to the removal of temporary hardness. Suitable for hotels, restaurants and coffee bars. Equipped with the Pallas Carbon Block it eliminates odours and off-tastes, reduces chlorine and gives a bacteriostatic action.

FEATURES

- Removes odours and off-tastes
- Reduces chlorine
- pH reduction & no pH control
- Guarantees a bacteriostatic action
- Reduces temporary hardness



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010012	Pallas cartridge LILAC (Exclusive) - Small	1 l/min	800 l	86,63
1762010012	Pallas cartridge LILAC (Exclusive) - Medium	1.5 l/min	1.250 l	113,02
1762010012	Pallas cartridge LILAC (Exclusive) - Large	2 l/min	1.850 l	137,51

Capacities may vary based on incoming water and flow rates
Calculated capacities with an inlet water hardness of 10 °dH.

COMPATIBLE HEADS

Reference	Item Name	€
1662010017	Head "R" with wall bracket 3/8" (Exclusive) - 1 l/min	42,82
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

PALLAS FILTER CARTRIDGES - YELLOW

DESCRIPTION

Total demineralization

Pallas filter cartridge Yellow is designed for total demineralized water. The reduction of salinity is total, thanks to the mixed bed resins. It's used to produce demineralized water above all in technical and industrial plants. Drinking use is forbidden.

FEATURES

- Total demineralization
- Technical and industrial use
- Drinking use is forbidden



CARTRIDGES

Reference	Item Name	Flow Rate	Capacity	€
1762010005	Pallas cartridge YELLOW mixed bed resin (Exclusive) - Small	1 l/min	250 l	51,52
1762010005	Pallas cartridge YELLOW mixed bed resin (Exclusive) - Medium	1.5 l/min	400 l	64,41
1762010005	Pallas cartridge YELLOW mixed bed resin (Exclusive) - Large	2 l/min	500 l	79,06

Calculated capacities with an inlet water conductivity of 250 μ S/cm.

The exchange capacities may vary depending on the hardness of the incoming water and the flow rates.

COMPATIBLE HEADS

Reference	Item Name	€
1662010017	Head "R" with wall bracket 3/8" (Exclusive) - 1 l/min	42,82
1662010018	Head "R" with wall bracket 3/8" (Exclusive) - 1.5 l/min	42,82
1662010019	Head "R" with wall bracket 3/8" (Exclusive) - 2 l/min	42,82

* 1/4", 8mm and 10mm are also available for the same price.



R Head

DOMESTIC FILTRATION

HOME WATER KIT

DESCRIPTION

Home Water Kit is a convenient and nicely packed filtration system that includes everything what is needed to make an "inline" installation on the existing kitchen faucet.

Included:

- Cartridge
- Series Head 3/8"
- Connection fittings 3/8"
- Connection tubing
- Manual in EN with QR code to DE, ES, FR & NL language



FEATURES

- All-in-one kit with cartridge, head & installation kit
- Easy installation on existing faucet tubes
- Available in Medium & Large
- Possibility to personalize the packaging with label

Reference	Item Name	€
Silver		
1762060004	Home Water Kit Pallas PWG Silver Medium	129,14
1762060003	Home Water Kit Pallas PWG Silver Large	148,48
Gold		
1762060005	Home Water Kit Pallas Gold Medium	167,12

DOMESTIC FILTRATION

UNO

DESCRIPTION

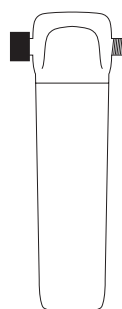
Uno is a simple solution to drink clean fresh water straight from your tap at home. This easy and elegant filter does not require a difficult installation thanks to the quick connect silver carbon block cartridge & water closing system for replacement. Its maintenance consists only in changing the filter once a year or when it is exhausted.



FEATURES

- Eliminates red staining
- Bacteriostatic action
- Reduced dimensions
- 7.000 l extended capacity
- Easy installation
- Cartridge check LED
- No extra tap required
- Vertical or horizontal installation

DIMENSIONS



Width (top)	11,15 cm
Height	30,47 cm
Width (bottom)	6,44 cm

TECHNICAL SPECIFICATIONS

Flow Rate	3.5 l/min
Operating Pressure	1,5 bar
Operating Temperature	5 - 38 °c
Capacity	7.000 l

Reference	Item Name	€
1662020010	UNO Profine	228,82
1762000015	Replacement Cartridge UNO 0,5µ	49,78



INDUSTRIAL FILTRATION

Evolve Series	146
Industrial filtration: Turbidex	160
Industrial filtration: Scavenger	163
Industrial filtration: Activated carbon	165
Industrial filtration: Birm	173
Industrial filtration: Juraperle	174
Industrial filtration: Mixed bed	177

EVOLVE SERIES



INDUSTRIAL FILTRATION

WATER TREATMENT SOLUTIONS

Every building has unique water - and individual water treatment needs. The exclusive Evolve Series® line of conditioners is designed to target and solve the specific water problems you experience. Whether you are a municipal water customer, use a well or other water resources, there is an Evolve Series system with the solution for your water problem.



WELL WATER

CRYSTAL  RIGHT™



CRYSTAL RIGHT FILTER

- To remove manganese, non-oxidized iron, hardness & ammonia
- pH correction (CR 100)
- Disinfection of the media (chlorinator)
- Sulfur, odors

Georgia compact
Crystal Right filter

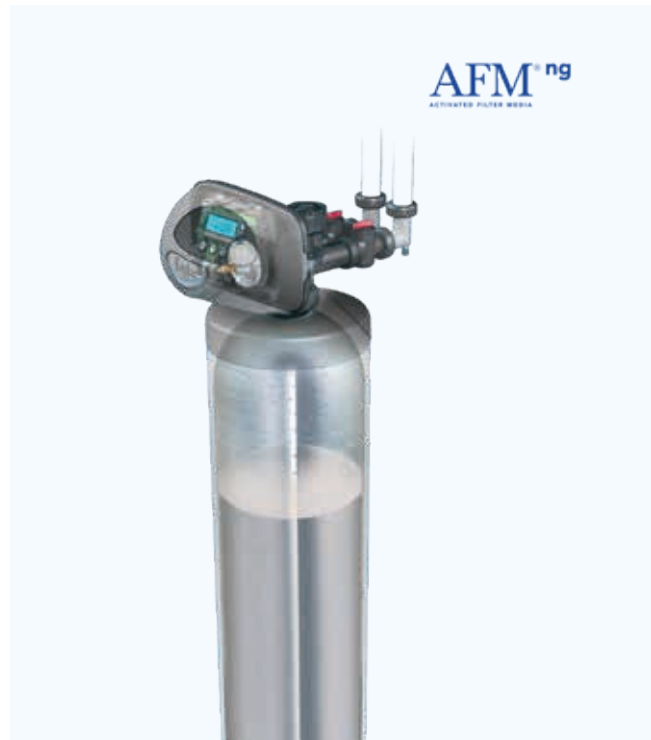




WELL WATER



ALL TYPES OF WATER



AIR FILTER

- Different media available:
 - Birm
 - Centaur
 - Filox
 - Other
- Depending on the media able to remove:
 - Iron
 - Sulfur
 - Manganese
- Inch Worm
- Controlled air bubble
- Air injector

AFM NG FILTER

- Hydrophobic media (non-polar)
- 1 micron filtration rate without flocculation (certified)
- Adsorption of organic substances incl. Hydrocarbon and micro-plastics
- Bio resistant
- Self sterilizing surface
- AFM ng can bring the SDI < 3

EVOLVE SERIES



EVOLVE CR FILTER

WELL WATER

EVOLVE CR FILTER

High quality water is an essential part of your health. Which means it should be clean and clear. And whether your water is supplied by the city or a private well, your water problems might include:

- Iron causing rust stains and build-up
- Acidic water leaving blue and green stains and corrosion damage
- Hardness creating deposits & scale
- Foul odor and taste from various minerals and chlorine

That's why the Evolve Crystal Right Filters are combined with a cutting-edge technology and know-how to provide the cleanest, highly efficient water for your home. These filters can also correct mildly acidic water conditions & help preserve your home's plumbing & fixtures.

FEATURES

Smart Controller Ensures Smooth Operation

- Regenerates only when necessary - no wasted salt or water
- Visual and audio alerts tell you when salt is low
- When service is needed, alarm displays dealer name and phone number
- Battery back-up stores all settings during power outages
- Records history of salt and water consumption

Reliable, Trouble-Free Design

- Exceptionally smooth and ample water flow
- Minimizes water pressure drops
- Simple - only one moving part

Chlorinator

Only functions during brine draw by electrolyse

- Disinfection bed/media
- Salt alarm
- Removal ammonia

CONNECTION

1" - 1.25" - 1,5" (plastic or brass) - 2"



WELL WATER

EVOLVE SERIES

EVOLVE CR FILTER



CRYSTAL RIGHT

High-Performance Water Conditioning Media

- Exclusive Crystal-Right™ media effectively corrects manganese, oxidized iron, hardness and pH problems
- Crystal-Right, in combination with the chlorine generator, will also remove ammonia
- Crystal-Right in combination with KDF will efficiently remove rotten egg odors commonly associated with hydrogen sulphide

Unique Disinfection Feature Destroys Bacteria

- Disinfects media bed
- Helps keep internal system clean and germ-free
- No special additives or ingredients required

Low-Maintenance Brine Tank

- With soft water refill, keeps itself clean automatically
- Heavyweight corrosion-free material
- Safety float prevents overflow



GEORGIA - COMPACT CRYSTAL RIGHT SOLUTION

Georgia is an all-in-one compact solution for the treatment of well water. Thanks to the use of Crystal Right filter media and the patented Evolve controller, the unit removes manganese, iron & ammonia, raises pH and softens your water. The integrated chlorinator disinfects the media and functions as a salt alarm. Georgia? Excellent water quality at all times.



EVOLVE SERIES



GEORGIA

DESCRIPTION

Georgia is an all-in-one compact solution for the treatment of city water & well water. Thanks to the use of Crystal Right filter media and the patented Evolve controller, the unit removes manganese, iron & ammonia, raises pH and softens your water. The integrated chlorinator disinfects the media and functions as a salt alarm.

FEATURES

- All-in-one integrated Crystal Right solution
- The Crystal Right media removes manganese, iron & ammonia, raises pH and softens the water.
- Smart controller ensures smooth operation on the media bed
- The integrated chlorinator disinfects the Crystal Right and functions as a salt alarm
- Available in two sizes: 25L & 28L



SPECIFICATIONS

Control System	Evolve 1 "
Regeneration Type	Down Flow
Regeneration Mode	Delayed regeneration
Connections	1 "
Electrical Rating	220 - 240V 50/60 Hz
Water Supply	City & well water
Water Temperature	0,5 ~ 37,7 °C
Operating Pressure	1,7 ~ 6,8 bar
Width	350 mm
Height	1130 mm
Depth	520 mm

EVOLVE SERIES



GEORGIA

Reference	Config.	Item Name	Vessel	Capacity	Nominal Flow	€
CR100						
5307047598	SUK000788	Georgia 25L - CR100	10 x 35	35 m³ °dH 65 m³ °F	1,5 m³/h	1.710,72
5307047403	SUK000761	Georgia 28,3L - CR100	12 x 35	48 m³ °dH 85 m³ °F	1,5 m³/h	1.817,64
CR200						
5307047598	SUK000789	Georgia 25L - CR200	10 x 35	62 m³ °dH 110 m³ °F	1,5 m³/h	1.730,96
5307047403	SUK000762	Georgia 28,3L - CR200	12 x 35	70 m³ °dH 125 m³ °F	1,5 m³/h	1.853,07



EVOLVE SERIES



EVOLVE CR FILTER

DESCRIPTION

Every household has unique water — and individual water treatment needs. The exclusive Evolve Series® line of conditioners is designed to target and solve the specific water problems you experience in your home. Whether you are a municipal water customer or use a well, there is an Evolve Series system with the solution for your water problem.

FEATURES

- All-in one water conditioning media: non-oxidized iron, hardness, manganese, ammonia, pH correction where needed
- Smart controller ensures smooth operation on the media bed
- Unique self-desinfection feature destroys bacteria
- Low maintenance brine tank
- Chlorinator has a lot of positive influence on CR



Units equipped with:

- Composite pressure vessel in grey and brine tank in black colour (up to 16" vessels)
- Chlorinator, bypass, safety brine valve and platform

Reference	Config	Item Name	Vol. BT	Capacity	Nominal Flow	€
WS1 - CR100						
5307026515	SUK000089	Evolve WS1 CR100 Filter 28,3L	75L	40 m³ °dH 74 m³ °F	1,5 m³/h	1.955,57
5307026515	SUK000040	Evolve WS1 CR100 Filter 28,3L	132L	40 m³ °dH 74 m³ °F	1,5 m³/h	2.292,21
5307026516	SUK000092	Evolve WS1 CR100 Filter 42,5L	75L	75 m³ °dH 130 m³ °F	1,5 m³/h	2.131,59
5307026516	SUK000033	Evolve WS1 CR100 Filter 42,5L	132L	75 m³ °dH 130 m³ °F	1,5 m³/h	2.506,58
5307026511	SUK000099	Evolve WS1 CR100 Filter 70,8L	75L	120 m³ °dH 215 m³ °F	2 m³/h	3.157,45
5307026511	SUK000034	Evolve WS1 CR100 Filter 70,8L	132L	120 m³ °dH 215 m³ °F	2 m³/h	3.180,77
5307026514	SUK000038	Evolve WS1 CR100 Filter 99L	170L	165 m³x°dH 295 m³ °F	2,5 m³/h	4.095,27
5307026513	SUK000036	Evolve WS1 CR100 Filter 127L	170L	215 m³ °dH 380 m³ °F	3 m³/h	4.074,91

EVOLVE SERIES



EVOLVE CR FILTER

Reference	Config	Item Name	Vol. BT	Capacity	Nominal Flow	€
WS1.25 - CR100						
5307021867	SUK000044	Evolve WS1.25 CR100 Filter 170L	170L	285 m³ °dH 510 m³ °F	4 m³/h	5.094,80
5307029410	SUK000046	Evolve WS1.25 CR100 Filter 198L	170L	335 m³ °dH 590 m³ °F	5 m³/h	5.271,42
WS1.5 - CR100						
5307027904	SUK000831	Evolve WS1.5 CR100 Filter 198L	170L	335 m³ °dH 590 m³ °F	5 m³/h	6.750,33
WS1 - CR200						
5307026515	SUK000087	Evolve WS1 CR200 Filter 28,3L	75L	70 m³ °dH 125 m³ °F	1,5 m³/h	2.156,42
5307026515	SUK000041	Evolve WS1 CR200 Filter 28,3L	132L	70 m³ °dH 125 m³ °F	1,5 m³/h	2.292,21
5307026516	SUK000093	Evolve WS1 CR200 Filter 42,5L	75L	115 m³ °dH 205 m³ °F	1,5 m³/h	2.515,14
5307026516	SUK000043	Evolve WS1 CR200 Filter 42,5L	132L	115 m³ °dH 205 m³ °F	1,5 m³/h	2.506,58
5307026511	SUK000100	Evolve WS1 CR200 Filter 70,8L	75L	175 m³ °dH 310 m³ °F	2 m³/h	2.689,30
5307026511	SUK000035	Evolve WS1 CR200 Filter 70,8L	132L	175 m³ °dH 310 m³ °F	2 m³/h	3.180,77
5307026514	SUK000039	Evolve WS1 CR200 Filter 99L	170L	200 m³ °dH 360 m³ °F	2,5 m³/h	3.476,59
5307026513	SUK000037	Evolve WS1 CR200 Filter 127L	170L	270 m³ °dH 485 m³ °F	3 m³/h	4.287,02
WS1.25 - CR200						
5307021867	SUK000045	Evolve WS1.25 CR200 Filter 170L	170L	380 m³ °dH 680 m³ °F	4 m³/h	5.062,70
5307029410	SUK000047	Evolve WS1.25 CR200 Filter 198L	170L	444 m³ °dH 790 m³ °F	5 m³/h	5.501,57
WS1.5 - CR200						
5307027059	SUK000738	Evolve WS1.5 CR200 Filter 311L	400L	700 m³ °dH 1244 m³ °F	7 m³/h	9.046,04

EVOLVE SERIES



EVOLVE AIR FILTER

WELL WATER

Air filters in combination with a typical media can remove iron and/or odor and/or manganese, commonly associated with problem well water. These innovative designs use a unique air-injection filtering technology to oxidize iron into precipitates that can be readily filtered and removed. Evolve Units Air are environmentally safe - no toxic chemicals are used like in other systems. The result is simply refreshingly good water from the tap, every time.

ADVANTAGES

- Oxidation & filtration in one unit
- Air chamber = Unique technology
- 1 unit, smaller cost & footprint

BENEFITS OF EVOLVE AIR VALVE DURING REGENERATION

Backwash Air Position “Inch Worm”

This is the first position in the regeneration sequence. In this position(s) the valve goes through a series of vary small movements (“inching along”) allowing the “captured” dome of air to release slowly and more importantly, harmlessly down the drain. This patented feature allows for the filter to expel the pressurized excess air without the violence associated with other air systems.

Air Draw Position

It is this position in which we draw in the air into the tank replenishing the air charge. This is needed to replenish the air which is consumed in the oxidation and precipitation process in the normal service position. Some units have the option of using an ozone generator during this position to ensure additional oxidation and bacteria control.

Return to Service

As the valve returns to the service position the inlet port is open to the tank, this allows water to fill the tank from the bottom to the top. As the tank fills, this compresses the dome of air in the top portion of the tank, it is this air (optional ozone) that is used in the oxidizing process of the service run.

MEDIA

- Birm
- Centaur
- Filox
- Other media possible

CONNECTION

- 1”
- 1.25”
- 1,5” (plastic or brass)
- 2”



WELL WATER

EVOLVE SERIES



EVOLVE AIR FILTER CENTAUR

DESCRIPTION

Air Sulfur Filters are extremely effective in removing hydrogen sulfide H_2S , commonly associated with problem well water. These innovative designs use a unique air-injection filtering technology to oxidize sulfur into precipitates that can be readily filtered and removed. Evolve Air Units are environmentally safe - no toxic chemicals are used like in other systems. The results is simply refreshingly good water from the tap, every time.

FEATURES

- Oxidation & filtration in one unit
- Air chamber = unique technology
- Removes sulfur, removes 'rotten egg' smell and reduces turbidity



INDUSTRIAL FILTRATION

Reference	Config	Item Name	Flow rate			BW perf.	€
			0,5-2ppm Fe-12m/h	2,5-3ppm Fe-10m/h	3,5-4ppm Fe-8m/h	25 m/h	
Evolve Plus 1"							
5321020001	SUK000353	Evolve Plus 1" - Air Filter Centaur 30	0,6 m3/h	0,5 m3/h	0,4 m3/h	1,3 m3/h	1.387,11
5321020002	SUK000354	Evolve Plus 1" - Air Filter Centaur 60	1,0 m3/h	0,9 m3/h	0,7 m3/h	2,1 m3/h	2.020,55
5321020003	SUK000355	Evolve Plus 1" - Air Filter Centaur 80	1,3 m3/h	1,1 m3/h	0,9 m3/h	2,7 m3/h	2.149,46
5321020004	SUK000356	Evolve Plus 1" - Air Filter Centaur 100	1,5 m3/h	1,3 m3/h	1,0 m3/h	3,1 m3/h	2.416,92
Evolve Plus 1.25"							
5321020005	SUK000357	Evolve Plus 1.25" - Air Filter Centaur 30	0,6 m3/h	0,5 m3/h	0,4 m3/h	1,3 m3/h	1.579,04
5321020006	SUK000358	Evolve Plus 1.25" - Air Filter Centaur 60	1,0 m3/h	0,9 m3/h	0,7 m3/h	2,1 m3/h	2.104,50
5321020007	SUK000359	Evolve Plus 1.25" - Air Filter Centaur 80	1,3 m3/h	1,1 m3/h	0,9 m3/h	2,7 m3/h	2.254,32
5321020008	SUK000360	Evolve Plus 1.25" - Air Filter Centaur 100	1,5 m3/h	1,3 m3/h	1,0 m3/h	3,1 m3/h	2.521,73
5321020009	SUK000361	Evolve Plus 1.25" - Air Filter Centaur 150	2,1 m3/h	1,7 m3/h	1,4 m3/h	4,3 m3/h	3.487,90
Evolve Plus 2"							
5321020016	SUK000713	Evolve Plus 2" - Air Filter Centaur 400	5,6 m3/h	4,7 m3/h	3,7 m3/h	11,9 m3/h	12.929,07

The check valve for the inlet is not included for units starting from 1.5"

Bigger tanks with valves are on demand

EVOLVE SERIES



EVOLVE AIR FILTER FILOX

DESCRIPTION

Filox Air Filters are extremely effective in removing Iron, Hydrogen sulfide H_2S and Manganese. These innovative designs use a unique air-injection filtering technology to oxidize sulfur into precipitates that can be readily filtered and removed. Evolve Air Units are environmentally safe - no toxic chemicals are used like in other systems. The results is simply refreshingly good water from the tap, every time.

FEATURES

- Oxidation & filtration in one unit
- Air chamber = unique technology
- Removes iron, manganese & H_2S (sulfur)
- Optional ozone generator for disinfection of the media bed and extra activation of the media
- Smaller tanks due to high service flows



Reference	Config	Item Name	Flow rate			BW perf.	€
			0,5-2ppm Fe -24m/h	2,1-3ppm Fe -20m/h	3,1-4ppm Fe -16m/h	39 m/h	
Evolve Plus 1"							
5321030001	SUK000680	Evolve Plus 1" - Air Filter Filox 30	1,3 m3/h	1,1 m3/h	0,8 m3/h	1,9 m3/h	1.435,40
5321030002	SUK000681	Evolve Plus 1" - Air Filter Filox 60	2,1 m3/h	1,7 m3/h	1,4 m3/h	3,0 m3/h	2.116,22
5321030003	SUK000682	Evolve Plus 1" - Air Filter Filox 80	2,6 m3/h	2,1 m3/h	1,7 m3/h	3,8 m3/h	2.466,72
Evolve Plus 1.25"							
5321030004	SUK000683	Evolve Plus 1.25" - Air Filter Filox 30	1,3 m3/h	1,1 m3/h	0,8 m3/h	1,9 m3/h	1.848,68
5321030005	SUK000684	Evolve Plus 1.25" - Air Filter Filox 60	2,1 m3/h	1,7 m3/h	1,4 m3/h	3,0 m3/h	2.248,74
5321030006	SUK000685	Evolve Plus 1.25" - Air Filter Filox 80	2,6 m3/h	2,1 m3/h	1,7 m3/h	3,8 m3/h	2.661,47
5321030007	SUK000686	Evolve Plus 1.25" - Air Filter Filox 100	3,0 m3/h	2,5 m3/h	2,0 m3/h	4,4 m3/h	3.073,18

EVOLVE SERIES



EVOLVE AIR FILTER FILOX

Reference	Config	Item Name	Flow rate			BW perf.	€
			0,5-2ppm Fe -24m/h	2,1-3ppm Fe -20m/h	3,1-4ppm Fe -16m/h	39 m/h	
Evolve Plus 1.5" Bras							
5321030008	SUK000687	Evolve Plus 1.5" - Air Filter Filox 100	3,0 m3/h	2,5 m3/h	2,0 m3/h	4,4 m3/h	4.521,59
5321030009	SUK000679	Evolve Plus 1.5" - Air Filter Filox 150	4,2 m3/h	3,5 m3/h	2,4 m3/h	6,1 m3/h	5.725,67
5321030010	SUK000688	Evolve Plus 1.5" - Air Filter Filox 200	5,7 m3/h	4,7 m3/h	3,8 m3/h	8,3 m3/h	6.313,85
Evolve Plus 1.5" Plastic							
5321030008	SUK000923	Evolve Plus 1.5" plastic - Air Filter Filox 100	3,0 m3/h	2,5 m3/h	2,0 m3/h	4,4 m3/h	3.818,58
5321030009	SUK000924	Evolve Plus 1.5" plastic - Air Filter Filox 150	4,2 m3/h	3,5 m3/h	2,4 m3/h	6,1 m3/h	4.715,45
5321030010	SUK000925	Evolve Plus 1.5" plastic - Air Filter Filox 200	5,7 m3/h	4,7 m3/h	3,8 m3/h	8,3 m3/h	5.391,05
Evolve Plus 2"							
5321030011	SUK000689	Evolve Plus 2" - Air Filter Filox 200	5,7 m3/h	4,7 m3/h	3,8 m3/h	8,3 m3/h	7.309,58
5321030012	SUK000690	Evolve Plus 2" - Air Filter Filox 250	7,0 m3/h	5,8 m3/h	4,7 m3/h	10,2 m3/h	9.137,45
Options							
5303010074		Ozone Generator for WR Valves					474,56

The check valve for the inlet is not included for units starting from 1.5"
Bigger tanks with valves are on demand

EVOLVE SERIES



EVOLVE AFM NG FILTER

ALL TYPES OF WATER

The Evolve AFM ng filter is a hyper filter that is used in divers applications (see applications). Thanks to the use of the AFM ng media and the patented Evolve controller, the unit can offer some huge advantages (see advantages).

Thanks to the AFMng media the system is 100% bioresistant which helps to prevent bacteria growth, channeling and clumping, which are the most common problems that occurs with sand or other hyper filter media.

FEATURES

- **Safe water:** Prevents the transmission of pathogens.
- **Clear water by the finest filtration:** Offers a stable 1-micron filtration rate without flocculation. (certified)
- **100% bio resistant:** Prevents biofouling and channelling inside your filter.
- **Low operating costs:** Saves backwash water and chemicals
- **Adapted to all types of sand filters**

ADVANTAGES

- Exclusive Evolve valve
- Hydrophobic media (non-polar)
- 1 micron filtration rate without flocculation (certified)
- Adsorption of organic substances incl. hydrocarbon and micro-plastics
- Prevents transmission of pathogens
- Bio resistant
- Self sterilizing surface
- AFM ng can bring the SDI < 3

APPLICATIONS

- Pre-filtration for UF/RO installations
- Fine filtration
- Cooling & heating towers
- As a polishing step
- Process water
- Waste water treatment
-

CONNECTION

- 1"
- 1.25"
- 1,5" (plastic or brass)
- 2"
- 3"

AFM[®] ng
ACTIVATED FILTER MEDIA



ALL TYPES OF WATER

EVOLVE SERIES



EVOLVE AFM NG HYPER FILTER

DESCRIPTION

The Evolve AFM ng filter is a hyper filter that is used in diverse applications such as pre-filtration for UF/RO installations, fine filtration, cooling towers, as a polishing step, etc. Thanks to the use of the AFM ng media and the patented Evolve controller, the unit can offer a stable 1-micron filtration rate without flocculation, at lower operating cost and with less backwash water used, adsorption of organic substances (oils, fats, including Hydrocarbon and microplastics) and the prevention of transmission of pathogens. The system uses 100% bio-resistant media that helps to prevent bacteria growth, channelling and clumping, which are all well-known problems when you work with basic sand filters.

FEATURES

- Safe water - Prevents the transmission of pathogens
- Clear water by the finest filtration - Offers a stable 1-micron filtration rate without flocculation.
- 100% bio resistant - Prevents biofouling and channelling inside your filter.
- Low operating costs - Saves backwash water and chemicals
- Adapted to all types of sand filters



INDUSTRIAL FILTRATION

Reference	Config	Item Name	Flow rate						€
			5 m/h	10 m/h	15 m/h	20 m/h	25 m/h	30 m/h	
WS1									
5325010001	SUK000927	Evolve 1" - AFM ng Hyper Filter 20	0,2 m³/h	0,4 m³/h	0,6 m³/h	0,8 m³/h	1 m³/h	1,2 m³/h	1.135,29
5325010002	SUK000928	Evolve 1" - AFM ng Hyper Filter 30	0,3 m³/h	0,5 m³/h	0,8 m³/h	1,1 m³/h	1,3 m³/h	1,6 m³/h	1.223,10
5325010003	SUK000929	Evolve 1" - AFM ng Hyper Filter 60	0,4 m³/h	0,9 m³/h	1,3 m³/h	1,7 m³/h	2,1 m³/h	2,6 m³/h	1.399,44
5325010004	SUK000930	Evolve 1" - AFM ng Hyper Filter 80	0,5 m³/h	1,1 m³/h	1,6 m³/h	2,1 m³/h	2,7 m³/h	3,2 m³/h	1.527,12
5325010005	SUK000931	Evolve 1" - AFM ng Hyper Filter 100	0,6 m³/h	1,3 m³/h	1,9 m³/h	2,5 m³/h	3,1 m³/h	3,8 m³/h	1.628,10
5325010006	SUK000932	Evolve 1" - AFM ng Hyper Filter 150	0,9 m³/h	1,7 m³/h	2,6 m³/h	3,5 m³/h	4,3 m³/h	5,2 m³/h	2.104,29

INDUSTRIAL FILTRATION: TURBIDEX

CLACK WS1 & WS1.25

Our Clack WS1 & WS125 Turbidex Filters come with:

- Drain flow controller
- Connection parts 1"M (WS1) or 1 1/4"M (WS125)
- Transformer 12V
- Turbidex - delivered separately in bags of 28,3L (cuft)
- Support gravel 3/5mm - delivered separately in bags of 25kg or weighed out
- Riser tube with bottom distributor - mounted in vessel (WS1 : 27mm - WS125 : 32mm)

Turbidex is an innovative filter medium that results in a fine filtration up to 5 microMeter. On top, thanks to its unique capabilities, it allows to filter at high velocities, which results in a significant reduction of the size of an installation. We advise to use the medium Turbidex for classic filter applications. Turbidex is less appropriate for the filtration of iron.

- Min service flow: 12m/h
- Average service flow: up to 25m/h (dependent on the quality of the water)
- Average backwash flow: 40m/h (important for the size of the pump)

Valve	Volume	Vessel	€
Clack WS1 TC Filter			
WS1 TC	30L	Q-10.54	977,56
WS1 TC	60L	Q-13.54	1.295,27
WS1 TC	80L	C-14.65	1.615,11
WS1 TC	100L	C-16.65	1.768,81
Clack WS125 TC Filter			
WS125 TC	30L	Q-10.54	1.057,62
WS125 TC	60L	Q-13.54	1.375,33
WS125 TC	80L	C-14.65	1.695,17
WS125 TC	100L	C-16.65	1.848,90
WS125 TC	150L	C-18.65	2.434,86

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024075			WS1 Bypass V3006	76,17
5303024087			WS1 Bypass Vertical Adapter Assy V3191-01	36,21
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020765		V3070FM	No bypass WS1/125 F-M (Not for TC timer)	244,55
Supplement			WS1 EI	115,25
Supplement			WS1 CI	138,82
Supplement			WS125 EI	152,28
Supplement			WS125 CI	169,58

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: TURBIDEX

CLACK WS1.5-2-2QC-3 TOP MOUNT



Our Clack WS15-2-2QC-3 Turbidex Filters come with:

- Drain flow controller, not for filters 600L (WS2QC)
- Transformer 12V (WS15-2-2QC) or 24V (WS3)
- Turbidex - delivered separately in bags of 28,3L (cuft)
- Support gravel 3/5mm - delivered separately in bags of 25kg
- Riser tube with bottom distributor - mounted in vessel (WS15 and WS2 : 50mm - WS2QC : 63 - WS3: 90mm)

Valve	Volume	Vessel	€
Clack WS15 EI Filter			
WS15 EI	150L	C-18.65	4.064,66
WS15 EI	200L	C-21.60	4.793,74
WS15 EI	250L	C-24.69	5.822,85
Clack WS2 EI Filter			
WS2 EI	150L	C-18.65	4.801,55
WS2 EI	200L	C-21.60	5.530,65
WS2 EI	250L	C-24.69	6.559,77
WS2 EI	400L	C-30.72	8.187,31
Clack WS2QC TM EI Filter			
WS2QC TM EI	250L	C-24.69	7.138,40
Clack WS2H TM Filter			
WS2H TM	400L	C-30.72	on request
Clack WS3 TM Filter			
WS3 TM	600L	C-36.78	16.616,43
WS3 TM	800L	C-42.78	18.867,31
WS3 TM	1000L*	C-48.82	21.181,79

* Not applicable for Hyper Filters due to limited capacity of the valve

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020005		V3017	Auxiliary microswitch asy for WS2	47,70
5303020095		V3097BSPT	No bypass WS15 F-M	471,37
5303020096		V3098BSPT	No bypass WS2 F-M	530,97
5303020097		V3099BSPT	No bypass WS3 F-M	1.694,91
Supplement			WS15 CI	16,91
Supplement			WS2 CI	14,28
Supplement			WS2QC CI	122,20

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: TURBIDEX

CLACK WS2QC-3 SIDE MOUNT

Our Clack WS2QC-3 Turbidex Filters come with:

- Drain flow controller, not for filters 600L (WS2QC)
- Transformer 12V (WS2QC) or 24V (WS3)
- Turbidex - delivered separately in bags of 28,3L (cuft)
- support gravel 3/5mm - delivered separately in bags of 25kg
- SIDE MOUNT (SM): side piping & upper distr. - disassembled; lower distributor mounted in the vessel



Valve	Volume	Vessel	€
Clack WS2QC SM EI Filter			
WS2QC SM EI	250L	C-24.69	on request
Clack WS3 SM Filter			
WS3 SM	600L	C-36.78	on request
WS3 SM	800L	C-42.78	on request
WS3 SM	1000L	C-48.82	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303020005		V3017	Auxiliary microswitch asy for WS2	47,70
5303020096		V3098BSPT	No bypass WS2 F-M	530,97
5303020097		V3099BSPT	No bypass WS3 F-M	1.694,91
Supplement		WS2QC CI		122,20

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: SCAVENGER

FUNCTIONING

The adsorption resin is a light macro porous anion resin, much lighter than softener resin. By this structure, molecular substances will also be adsorbed (comparable to activated carbon). The ion exchange capacity is limited and after some time, the anions like sulphates, will leak through. The adsorbing capacity is although much higher than the ion exchange capacity. The filter should then only be regenerated at the exhaustion point of the adsorption. Brine will give the osmotic shock by which the organics will be pushed out.



PRACTISE

The backwash flow for this light resin is low : 6-8 m/H <--> 10-15 m/H for softener resin. The drain flow restriction makes sure that the resin is cleaned properly before brining.

The capacity or the run time will depend on the concentration of organic matter. Due to normal fluctuations of the organic pollution and the fact that there is no quick test available for oxydability, the quality of the capacity setting is less than for softeners.

Following is only a general rule to measure the capacity in function of the oxydability (KMnO₄):

slightly polluted	– very light to yellow coloured	- 10 to 25 ppm O ₂
medium polluted	– stronger yellow coloured	- 25 to 50 ppm O ₂
strongly polluted	– strong yellow to brown coloured	- 50 to > 100 ppm O ₂

System capacity :

8 ppm O₂ x m³ / L resin is used for units up to 30L of resin,

9 ppm / L resin for units 35-60L

10 ppm / L resin for units from 75L.

For normal situations, domestic use and slightly coloured well water, a 22L monobloc could be suitable

$$\frac{22 \times 8 \text{ (ppm} \times \text{m}^3\text{)} = 7 \text{ m}^3}{25\text{ppm}}$$

EXTRA ADDITION OF SODIUM HYDROXIDE

In case the water containing tannins, is acid, these organic components will be in a non ionic form (weak humus acids). This slows down the mobility what could lead to inefficient push out and over-saturation. A periodic addition of NaOH to the brine will prevent this problem.

The frequency depends on the water quality. Initial, the addition could be limited to the recommended 6 monthly service turn. If capacity drops appear, the frequency should be increased.

The recommended addition rule is 10 g of NaOH / L of resin, in a concentration of 1 to 2% into the brine.

INDUSTRIAL FILTRATION:

SCAVENGER

Reference	Config.	Item Name	Resin	Vessel	€
Clack WS Monobloc ADS Filter					
4201052082	EUQ009844	Clack WS1 TC ADS Filter Swan White/Blue ET	28L	Q-9.35	on request
4201052082	EUQ011164	Clack WS1 CI ADS Filter Swan White/Blue ET	28L	Q-9.35	on request
4201052082	EUQ014458	Clack WS1 TC ADS Filter Swan White/Blue ET	28L	Q-10.35	on request
4201056136	EUQ016468	Clack WS1 CK ADS Filter Swan Black/Blue ET	30L	Q-10.35	on request
4201056136	EUQ016632	Clack WS1 CK ADS Filter Penguin Light Grey/Dark Grey	30L	Q-10.35	on request
4201056136	EUQ016665	Clack WS1 CI ADS Filter Swan White/Blue ET	30L	Q-10.35	on request

Reference	Config.	Item Name	Resin	Vessel	Brine Tank	€
Clack WS Duobloc ADS Filter						
4301054807	EUQ014762	Clack WS1 CK ADS Filter	30L	Q-10.35	100L	on request
4301057279	EUQ016215	Clack WS1 TC ADS Filter	40L	Q-10.44	100L	on request
4301055792	EUQ015349	Clack WS1 CK ADS Filter	60L	Q-12.48	200L	on request
4301059756	EUQ007160	Clack WS1 CK ADS Filter	75L	Q-13.54	200L	on request
4301059756	EUQ016568	Clack WS1 CI ADS Filter	75L	Q-13.54	200L	on request
4301050004	EUQ016583	Clack WS1 CK ADS Filter	125L	C-14.65	200L	on request
4301058599	EUQ013071	Clack WS1 CI ADS Filter	150L	C-16.65	300L	on request
4301050006	EUQ016698	Clack WS1.25 CK ADS Filter	150L	C-16.65	300L	on request
Clack WS Simplex ADS Filter						
4301055941	EUQ015434	Clack WS2 EI QC ADS Filter	900L	C-42.78TB	1750L	on request
4301055939	EUQ015433	Clack WS3 Flange ADS Filter	1200L	C-48.82TB	1750L	on request
Clack WS Parallel Duplex ADS Filter						
4401055940	EUQ015435	Clack WS2 EI QC Flange ADS Filter	2x900L	C-42.78TB	1750L	on request

INDUSTRIAL FILTRATION: ACTIVATED CARBON

CLACK WS1 & WS1.25



Our Clack WS1 & WS125 Activated Carbon Filters come with:

- Drain flow controller, not for filters WS1 80-100L and WS125 150L
- Connection parts 1" M (WS1) or 1 1/4" M (WS125)
- Transformer 12V
- Activated carbon coconut-based - delivered separately in bags of 25kg or weighed out
- Support gravel 3/5mm - delivered separately in bags of 25kg or weighed out
- Riser tube with bottom distributor - mounted in vessel (WS1: 27mm - WS125: 32mm)

Activated carbon is a medium that removes organic dissolved pollutants such as detergents, soluble colourants, chlorinated solvents, bad tastes and colours. After some time the Active carbon loses its capabilities, as such the quality of the water is to be tested from time to time. The use of a vessel with manhole can be an interesting option to make the refill of the medium an easier task.

- Average service flow: 10 to 15m/h (dependent on the quality of the water)
- Average backwash flow: 25m/h (important for the size of the pump)
- Support gravel 3/5mm - delivered separately in bags of 25kg or weighed out
- Riser tube with bottom distributor - mounted in vessel (WS1 : 27mm - WS125 : 32mm)

Valve	Volume	Vessel	€
Clack WS1 TC Filter			
WS1 TC	20L	Q-09.35	877,64
WS1 TC	30L	Q-10.54	1.045,97
WS1 TC	60L	Q-13.54	1.374,27
WS1 TC	80L	C-14.65	1.697,86
WS1 TC	100L	C-16.65	1.927,48
WS1 TC	150L	C-18.65	2.561,99
WS1 TC	200L	C-21.60	3.132,70
WS1 TC	250L	C-24.69	4.105,95
Clack WS125 TC Filter			
WS125 TC	20L	Q-09.35	956,01
WS125 TC	30L	Q-10.54	1.124,87
WS125 TC	60L	Q-13.54	1.452,77
WS125 TC	80L	C-14.65	1.776,37
WS125 TC	100L	C-16.65	2.006,00
WS125 TC	150L	C-18.65	2.676,71
WS125 TC	200L	C-21.60	3.247,42
WS125 TC	250L	C-24.69	4.220,67

INDUSTRIAL FILTRATION: ACTIVATED CARBON

CLACK WS1 & WS1.25

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024075			WS1 Bypass V3006	76,17
5303024087			WS1 Bypass Vertical Adapter Assy V3191-01	36,21
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020765		V3070FM	No bypass WS1/125 F-M (Not for TC timer)	244,55
Supplement			WS1 EI	115,25
Supplement			WS1 CI	138,82
Supplement			WS1 CK	230,66
Supplement			WS125 EI	152,28
Supplement			WS125 CI	169,58
Supplement			WS125 CK	228,30
0905104900			AquaSorb CR 12 x 40 mesh, 1 KG	10,07

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: ACTIVATED CARBON

CLACK WS1.5-2-2QC-3 TOP MOUNT



Our Clack WS15-2-2QC-3 Activated Carbon Filters come with:

- Drain flow controller, not for filters 200-250L (WS15), 400L (WS2), 600L (WS2QC)
- Transformer 12V (WS15-2-2QC) or 24V (WS3)
- Activated carbon coconut-based - delivered separately in bags of 25kg
- Support gravel 3/5mm - delivered separately in bags of 25kg
- Riser tube with bottom distributor - mounted in vessel (WS15 and WS2 : 50mm - WS2QC : 63 - WS3: 90mm)

Valve	Volume	Vessel	€
Clack WS15 EI Filter			
WS15 EI	100L	C-16.65	3.937,03
WS15 EI	150L	C-18.65	4.287,96
WS15 EI	200L	C-21.60	4.945,52
WS15 EI	250L	C-24.69	6.045,32
WS15 EI	400L	C-30.72	7.935,97
WS15 EI	600L	C-36.72	9.885,02
Clack WS2 EI Filter			
WS2 EI	200L	C-21.60	5.667,96
WS2 EI	250L	C-24.69	6.767,76
WS2 EI	400L	C-30.72	8.666,40
WS2 EI	600L	C-36.72	10.615,46
WS2 EI	800L	C-42.78	13.996,65
Clack WS2QC EI TM Filter			
WS2QC EI Top Mounted	200L	C-21.60	6.316,75
WS2QC EI Top Mounted	250L	C-24.69	7.335,07
WS2QC EI Top Mounted	400L	C-30.72	9.233,71
WS2QC EI Top Mounted	600L	C-36.72	11.167,06
WS2QC EI Top Mounted	800L	C-42.78	14.141,48
WS2QC EI Top Mounted	1000L	C-48.82	16.803,95
Clack WS2H TM Filter			
WS2H Top Mounted	250L	C-24.69	10.007,45
WS2H Top Mounted	400L	C-30.72	11.906,10
WS2H Top Mounted	600L	C-36.72	13.839,46
WS2H Top Mounted	800L	C-42.78	16.813,88
WS2H Top Mounted	1000L	C-48.82	19.476,34
Clack WS3 TM Filter			
WS3 TM	600L	C-36.78	17.283,88
WS3 TM	800L	C-42.78	19.643,97
WS3 TM	1000L	C-48.82	22.335,82

INDUSTRIAL FILTRATION: ACTIVATED CARBON

CLACK WS1.5-2-2QC-3 TOP MOUNT

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020005		V3017	Auxiliary microswitch asy for WS2	47,70
5303020095		V3097BSPT	No bypass WS15 F-M	471,37
5303020096		V3098BSPT	No bypass WS2 F-M	530,97
5303020097		V3099BSPT	No bypass WS3 F-M	1.694,91
Supplement			WS15 CI	16,91
Supplement			WS15 CK	82,19
Supplement			WS2 CI	14,28
Supplement			WS2 CK	270,94
Supplement			WS2QC CI	122,20
Supplement			WS2QC CK	184,64
0905104900			AquaSorb CR 12 x 40 mesh, 1 KG	10,07

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: ACTIVATED CARBON

CLACK WS2QC-3 SIDE MOUNT

Our Clack WS2QC-3 Activated Carbon Filters come with:

- Drain flow controller, not for filters 600L (WS2QC)
- Transformer 12V (WS2QC) or 24V (WS3)
- Activated carbon coconut-based - delivered separately in bags of 25kg
- Support gravel 3/5mm - delivered separately in bags of 25kg
- SIDE MOUNT (SM): side piping & upper distr. - disassembled; lower distributor mounted in the vessel



Valve	Volume	Vessel	€
Clack WS2QC EI SM Filter			
WS2QC EI Side Mounted	200L	C-21.60	on request
WS2QC EI Side Mounted	250L	C-24.69	on request
WS2QC EI Side Mounted	400L	C-30.72	on request
WS2QC EI Side Mounted	600L	C-36.72	on request
WS2QC EI Side Mounted	800L	C-42.78	on request
WS2QC EI Side Mounted	1000L	C-48.82	on request
Clack WS3 SM Filter			
WS3 Side Mounted	600L	C-36.78	on request
WS3 Side Mounted	800L	C-42.78	on request
WS3 Side Mounted	1000L	C-48.82	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303020005		V3017	Auxiliary microswitch asy for WS2	47,70
5303020096		V3098BSPT	No bypass WS2 F-M	530,97
5303020097		V3099BSPT	No bypass WS3 F-M	1.694,91
Supplement			WS2QC CI	122,20
Supplement			WS2QC CK	184,64
0905104900			AquaSorb CR 12 x 40 mesh, 1 KG	10,07

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: ACTIVATED CARBON

FLECK 2750 F / 7700 F / 2850 F TOP MOUNT

Our Fleck 2750 F / 7700 F / 2850 F Activated Carbon Filters come with:

- Drain flow controller, not with filters, 80 -100 (2750) and 200-250 L (2850)
- Transfo 24 V, activated carbon - filters - delivered at same time, weighed or 25 kg packaging
- Silex 3/5 mm - delivered at same time, weighed or 25 kg packaging
- Rising tube with inferior distributor - assembled in vessel (2750: 27 mm / 2850: 50 mm)



Valve	Volume	Vessel	€
FLECK 2750			
2750 F	20L	Q-09.35	1.240,88
2750 F	30L	Q-10.54	1.370,17
2750 F	60L	Q-13.54	1.706,90
2750 F	80L	C-14.65	2.038,58
2750 F	100L	C-16.65	2.224,04
2750 F	150L	C-18.65	2.865,13
2750 F	200L	C-21.60	3.411,03
2750 F	250L	C-24.69	3.927,46
Fleck 2850 TM			
2850 F Top Mounted	100L	C-16.65	2.825,92
2850 F Top Mounted	150L	C-18.65	3.494,54
2850 F Top Mounted	200L	C-21.60	4.140,32
2850 F Top Mounted	250L	C-24.69	5.067,51
2850 F Top Mounted	400L	C-30.72	6.795,95

INDUSTRIAL FILTRATION: ACTIVATED CARBON

FLECK 2850 F - 3150 F - SIDE MOUNT

Our Fleck 2850 F - 3150 F Activated Carbon Filters come with:

- Drain flow controller, not with filters 200-250 L (2850)
- Transfo 24V
- Activated carbon coconut-based - delivered at same time, weighed or 25 kg packaging
- Silex 3/5 mm - delivered at same time, weighed or 25 kg packaging
- Side piping and superior distributor - disassembled (2850: 50 mm/ 3150: 63 mm);
- Inferior distributor installed in vessel



Valve	Volume	Vessel	€
Fleck 2850 SM			
2850 F Side Mounted	100L	C-16.65	5.032,92
2850 F Side Mounted	150L	C-18.65	5.719,13
2850 F Side Mounted	200L	C-21.60	6.281,37
2850 F Side Mounted	250L	C-24.69	7.109,76
2850 F Side Mounted	400L	C-30.72	8.751,55
Fleck 3150 SM			
3150 F Side Mounted	200L	C-21.60	on request
3150 F Side Mounted	250L	C-24.69	on request
3150 F Side Mounted	400L	C-30.72	on request
3150 F Side Mounted	600L	C-36.72	on request
3150 F Side Mounted	800L	C-42.78	on request
3150 F Side Mounted	1000L	C-48.82	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
supplement		NBP piston	no water bypass during rinse - Fleck 2750	193,50
supplement		NBP piston	no water bypass during rinse - Fleck 2850TM	51,36
supplement		NBP piston	no water bypass during rinse - Fleck 2850SM	51,36
supplement		NBP piston	no water bypass during rinse - Fleck 3150SM	394,11

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: ACTIVATED CARBON

AUTOTROL PERFORMA 263 / 273

Our Autotrol Performa 263 / 273 Activated Carbon Filters come with:

- Drain flow controller, brass adapter BSP 1" M, transfo 12V
- Activated carbon coconut-based - delivered separately, weighed or 25kg packaging
- Gravel 3/5 mm - delivered separately, weighed or 25 kg packaging
- Riser tube 27 mm with bottom distributor - mounted in vessel



Valve	Volume	Vessel	€
263 / 460TC AC	30L	Q-10.54	1.017,65
263 / 740 F AC	30L	Q-10.54	1.026,46
263 / 760 F AC	30L	Q-10.54	1.255,83

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
		NBP 263/273	No water bypass during rinse :	
0403012238			Kit microswitch 1041117 (timer 400)	41,14
0403011236			Kit Switch Front 5 AMP Logix 1239752	69,42
2001004039			Kit EV-24V-1/8"	on request
		NBP Magnum CV	No water bypass during rinse :	
supplement			Valve with NHB cartridge	on request

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: BIRM

CLACK WS1 & WS1.25

Our Clack WS1 & WS125 Birm Filters come with:

- Drain flow controller, not for filters WS1 80-100L and WS125 150L
- Connection parts 1"M (WS1) or 1 1/4"M (WS125)
- Transformer 12V
- Birm regular - delivered separately in bags of 28,3L (cuft)
- Support gravel 3/5mm - delivered separately in bags of 25kg or weighed out
- Riser tube with bottom distributor - mounted in vessel (WS1 : 27mm - WS125 : 32mm)

Birm is a filter product that removes iron and manganese. It also acts as a catalyst for the acceleration of the reaction of the dissolved oxygen and iron, present in the water. Birm promotes the oxidation of Fe²⁺ to Fe³⁺. The so formed iron hydroxide can easily be filtered after precipitation. Birm has to be rinsed periodically by a simple backwash. No regeneration is needed, which represents an advantage compared to some other filtration media.

Terms of use :

- Maximal concentration 4mg/l Fe.
- To remove iron : 6,8<pH<8,5
- To remove manganese : 8,0<pH<9,5
- Average service flow: 10-15m/h (dependent on the quality of the water)
- Average backwash flow: 25m/h (important for the size of the pump)

We advise to always perform a test with the « Pallas Birm test filter ».

Valve	Volume	Vessel	€
Clack WS1 TC Filter			
WS1 TC	30L	Q-10.54	1.062,40
WS1 TC	60L	Q-13.54	1.464,96
WS1 TC	80L	C-14.65	1.869,64
WS1 TC	100L	C-16.65	2.108,19
Clack WS125 TC Filter			
WS125 TC	30L	Q-10.54	1.142,47
WS125 TC	60L	Q-13.54	1.545,01
WS125 TC	80L	C-14.65	1.949,70
WS125 TC	100L	C-16.65	2.188,27
WS125 TC	150L	C-18.65	2.859,08

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024075			WS1 Bypass V3006	76,17
5303024087			WS1 Bypass Vertical Adapter Assy V3191-01	36,21
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020765		V3070FM	No bypass WS1/125 F-M (Not for TC timer)	244,55
Supplement			WS1 EI	115,25
Supplement			WS1 CI	138,82
Supplement			WS1 CK	230,66
Supplement			WS1.25 EI	152,28
Supplement			WS1.25 CI	169,58
Supplement			WS1.25 CK	108,55

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: JURAPERLE

CLACK WS1 & WS1.25

Our Clack WS1 & WS125 juraperle Filters come with:

- Drain flow controller, not for filters WS1 80-100L and WS125 150L
- Connection parts 1" M (WS1) or 1 1/4" M (WS125)
- Transformer 12V
- Neutralite: Juraperle 1,2-1,8mm - delivered separately in bags of 25kg
- Support gravel 3/5mm - delivered separately in bags of 25kg or weighed out
- Riser tube with bottom distributor - mounted in vessel (WS1: 27mm - WS125: 32mm)

Juraperle is a filter medium originating from fossil calcareous material being used for deacidification of poor water. While filtering, free CO₂ is being transformed in bicarbonate and lime is being dissolved, resulting in an increase of pH and hardness. Juraperle has to be rinsed from time to time by means of a backwash. As calcium dissolves in water, Juraperle needs a periodic refill. As such, it can be an interesting option to work with a bottle with manhole. On average, 50% of the Juraperle quantity is to be refilled yearly.

- Average service flow: 10 to 15m/h (dependent on the quality of the water)
- Average backwash flow: 25m/h (important for the size of the pump)

Valve	Volume	Vessel	€
Clack WS1 TC Filter			
WS1 TC	20L	Q-09.35	876,83
WS1 TC	30L	Q-10.54	995,78
WS1 TC	60L	Q-13.54	1.331,72
WS1 TC	80L	C-14.65	1.624,80
WS1 TC	100L	C-16.65	1.761,56
Clack WS125 TC Filter			
WS125 TC	20L	Q-09.35	956,92
WS125 TC	30L	Q-10.54	1.075,86
WS125 TC	60L	Q-13.54	1.411,78
WS125 TC	80L	C-14.65	1.709,76
WS125 TC	100L	C-16.65	1.841,64
WS125 TC	150L	C-18.65	2.485,91

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024075			WS1 Bypass V3006	76,17
5303024087			WS1 Bypass Vertical Adapter Assy V3191-01	36,21
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020765		V3070FM	No bypass WS1/125 F-M (Not for TC timer)	244,55
Supplement			WS1 EI	115,25
Supplement			WS1 CI	138,82
Supplement			WS1 CK	230,66
Supplement			WS125 EI	152,28
Supplement			WS125 CI	169,58
Supplement			WS125 CK	108,55
0904015907			Aqua-Juraperle 1,2-1,8mm / per bag of 25kg	2,16

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: JURAPERLE

CLACK WS1.5-2-2QC-3 TOP MOUNT

Our Clack WS15-2-2QC-3 juraperle Filters come with:

- Drain flow controller, not for filters 200-250L (WS15), 400L (WS2), 600L (WS2QC)
- Transformer 12V (WS15-2-2QC) or 24V (WS3)
- Neutralite: Juraperle 1,2-1,8mm - delivered separately in bags of 25kg
- Support gravel 3/5mm - delivered separately in bags of 25kg
- Riser tube with bottom distributor - mounted in vessel (WS15 and WS2 : 50mm - WS2QC : 63 - WS3: 90mm)



Valve	Volume	Vessel	€
Clack WS15 EI Filter			
WS15 EI	150L	C-18.65	4.118,07
WS15 EI	200L	C-21.60	4.801,41
WS15 EI	250L	C-24.69	5.910,62
Clack WS2 EI Filter			
WS2 EI	150L	C-18.65	4.854,96
WS2 EI	200L	C-21.60	5.538,31
WS2 EI	250L	C-24.69	6.647,52
WS2 EI	400L	C-30.72	8.286,55
Clack WS2QC TM EI Filter			
WS2QC TM EI	250L	C-24.69	7.226,17
WS2QC TM EI	400L	C-30.72	8.865,19
Clack WS3 TM Filter			
WS3 TM	600L	C-36.78	16.765,27
WS3 TM	800L	C-42.78	19.065,76
WS3 TM	1000L	C-48.82	21.365,06

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303024084		V3009	Auxiliary microswitch asy for WS1-125-15	24,72
5303020005		V3017	Auxiliary microswitch asy for WS2	47,70
5303020095		V3097BSPT	No bypass WS15 F-M	471,37
5303020096		V3098BSPT	No bypass WS2 F-M	530,97
5303020097		V3099BSPT	No bypass WS3 F-M	1.694,91
Supplement			WS15 CI	16,91
Supplement			WS15 CK	82,19
Supplement			WS2 CI	14,28
Supplement			WS2 CK	270,94
Supplement			WS2QC CI	122,20
Supplement			WS2QC CK	184,64
0904015907			Aqua-Juraperle 1,2-1,8mm / per bag of 25kg	2,16

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: JURAPERLE

CLACK WS2QC-3 SIDE MOUNT

Our Clack WS2QC-3 juraperle Filters come with:

- Drain flow controller, not for filters 600L (WS2QC)
- Transformer 12V (WS2QC) or 24V (WS3)
- Neutralite: Juraperle 1,2-1,8mm - delivered separately in bags of 25kg
- Support gravel 3/5mm - delivered separately in bags of 25kg
- SIDE MOUNT (SM): side piping & upper distr. - disassembled; lower distributor mounted in the vessel



Valve	Volume	Vessel	€
Clack WS2QC SM EI Filter			
WS2QC SM EI	250L	C-24.69	on request
WS2QC SM EI	400L	C-30.72	on request
Clack WS3 SM Filter			
WS3 SM	600L	C-36.78	on request
WS3 SM	800L	C-42.78	on request
WS3 SM	1000L	C-48.82	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
5303020005		V3017	Auxiliary microswitch asy for WS2	47,70
5303020096		V3098BSPT	No bypass WS2 F-M	530,97
5303020097		V3099BSPT	No bypass WS3 F-M	1.694,91
Supplement			WS2QC CI	122,20
0904015907			Aqua-Juraperle 1,2-1,8mm / per bag of 25kg	2,16

Filters with the vessels with a dome hole are available!

INDUSTRIAL FILTRATION: MIXED BED

MIXED BED FILTER IN & OUT

Our 3/4" and 1" IN & OUT Mixed bed Filters come with:

- IN & OUT head
- Composite vessel
- Distribution system
- Mixed bed resin(type of MB resin needs to be defined before placing an order)

Valve	Volume	Vessel	€
Mixed bed Filter 3/4" IN & OUT			
5001992921	25L	3/4 " IN & OUT	on request
5001992196	50L	3/4 " IN & OUT	on request
5001990720	75 L	3/4 " IN & OUT	on request
5001990722	100 L	3/4 " IN & OUT	on request
5001990724	125 L	3/4 " IN & OUT	on request
5001990725	150 L	3/4 " IN & OUT	on request
5001990727	200 L	3/4 " IN & OUT	on request
5001990728	250 L	3/4 " IN & OUT	on request
Mixed bed Filter 1" IN & OUT			
5001992921	25L	1 " IN & OUT	on request
5001992196	50L	1 " IN & OUT	on request
5001990720	75 L	1 " IN & OUT	on request
5001990722	100 L	1 " IN & OUT	on request
5001990724	125 L	1 " IN & OUT	on request
5001990725	150 L	1 " IN & OUT	on request
5001990727	200 L	1 " IN & OUT	on request
5001990728	250 L	1 " IN & OUT	on request

SUPPLEMENTS AND OPTIONS

Reference	Config.	Code	Description	€
supplement			Supplement extra side connection for Resilite in outlet - only for 3/4" IN & OUT	8,36
4102007754			Resilite 110V 500K OHM 3/4 (2µS/cm)	216,38
4102006479			Resilite 110V 200K OHM 3/4 (5µS/cm)	154,23
supplement			Plug adapter for transformer (european standard)	on request



MEMBRANE SYSTEMS

Herco RO	181
Esli RO	219
Esli UF	235

HERCO RO

Water is a very precious commodity today. Hence, energy and economic efficiency in industrial processes is now more important than ever.

It is therefore quite logical that the innovations within the Herco range aim at all the possibilities to save water and energy.

Herco RO systems excel because of their extremely low operating costs which increases your customers competitiveness. The very short payback period, which ranges between 1 and 3 years, makes a Herco RO for both parties an excellent investment.

BENEFITS

- Low noise
- Water & energy saving
- High salt rejection rate
- Gentle to installations

SOLUTION FOR EACH TYPE OF WATER

- Budget units
- Softened tap water
- Ultra-Pure water
- Tap water
- Brackish water



HERCO RO

HERCO ONLINE PRODUCT CENTER

Find extensive information about popular standardised Herco water treatment units for industrial applications in the new Herco Wassertechnik Product center.

With your personal customer login, you can download data sheets, tender descriptions, drawings and images of all Herco standard units. The selection of suitable options is made easy by direct linking.

Go to shop.hercowater.com



NEW HERCO PRODUCTS IN 2024



Polisher MB Series



Cooltrol Blowdown units

PLC & PROFINET INTERFACE FOR RO UNITS

To enable communication of softening or reverse osmosis units with the customer's central control system, use of an interface is required. The new softening units ECOTROL-D HF are already equipped with an integrated Modbus TCP interface. The tried and tested Herco controller RO digital can optionally be equipped with BUS interface modules and enables the entire plant data to be made available to the client's on-site PLC.

BUS

BUS systems for data transmission from Herco plants to the customer's PLC

Already integrated in the softeners ECOTROL-D with the Clack HF controller

- Modbus RTU

Available for the softeners ECOTROL-D with the System Controller and Clack CI

- Modbus TCP

Options for RO units with RO digital controller or PLC

- Profi net
- Profi bus
- Modbus RTU / TCP
- BACnet

If visualisation of the process with a touch panel and extensive access to the unit is required, we recommend a PLC instead of a microprocessor controller. We offer you the option to order RO plants with a PLC instead of a microprocessor controller for all units of the series UO-D FU, UO-D AS/FU, UO-D P (size > 1,700 l/h) and UO-D BW/FU. Our most sophisticated RO series UO-S7 KR and UP-S7 are equipped with a PLC as standard control system.

PLC

PLC as standard for series

- UO-S7 KR/FU
- UP-S7 FU

PLC as option for series

- UO-D FU
- UO-D AS/FU
- UO-D P (BG > 1.700 l/h)
- UO-D BW/FUv

Visualisation

- Graphic display of the plant
- Optimal control due to display and logging of all relevant parameters
- Alarm list and generation of messages

Controller

- PLC Siemens S7-1200 with 4" / 7" touch panel
- Intuitive operating concept
- Profi net integration optional, others available

Protocols / access

- As well as Profi net, communication via Profi bus, Modbus
- RTU / TCP or BACnet is provided as an option
- Smart server function for access from devices within the same IP address range
- Optional remote access configurable

MICROPROCESSOR CONTROLLERS FOR RO UNITS



Type	RO 524	RO Digital
Display	2-digit	4 lines, 20 chars./line
Conductivity measuring range	1 - 99 $\mu\text{S/cm}$	1 - 1000 $\mu\text{S/cm}$
Further conductivity ranges ($\mu\text{S/cm}$)	-	-
Control voltage	24 VDC	24 VDC
Supply voltage	230 V/50 - 60 Hz $\pm$ 10%	93 - 265 V / 50 - 60 Hz
Dry run protection for RO pump	Yes	Yes
Connection for limitron	Yes	Yes
Forced stop RO	Yes	Yes
Operating signal	-	Adjustable
Centralised alarm	Yes	Yes
Automatic mode (e.g. tank level)	Yes	Yes
Permeate conductivity limit	Fixed	Adjustable
Flow rate limits	-	Adjustable
Pressure limits	-	Adjustable
Behaviour if the limit is exceeded	Fixed	Adjustable
Constant permeate rate possible	-	yes, if FU available
Alternating pump activation	-	-
Optional Ports (inputs)		
Concentrate flushing valve	Yes (as an alternative)	Yes
Permeate recirculation	Yes (as an alternative)	Yes
Double-staged RO unit	-	-
Analogue level switch	-	Yes
Feed water conductivity	-	-
Programmable digital inputs	-	3
Pre-alarm e.g. dosing tank empty	-	Yes
External fault, E.g.	-	Yes
Optional Ports (outputs)		
Permeate conductivity pre-warning	-	Yes
Analogue values	-	2
Permeate conductivity, e.g.	-	Yes
Permeate output e.g.	-	Yes
Programmable digital outputs	-	1
Operating signal, e.g.	-	Yes
Data logging	-	1.960 data sets ($\pm$ 10 days)
Parameter setting	Configured	Adjustable
Firmware update	At the factory	Via RS232
Profinet module	-	Optional

OVERVIEW OF THE DIFFERENT RO UNITS

Permeate l/h	Series	Controller	Comments
Softened tap water (free of chlorine)			
80 and 130	Budget	RO 524	Undersink device, space saving, budget
120 to 500	UO	RO 524	Particularly space-saving, delivery from stock
120 to 500	UO-D	RO digital	Particularly space-saving, internally monitored, logging of operating parameters, freely programmable controller, optional Profinet module
600 to 2.000	UO-D UO-D FU	RO digital	Internal monitoring, logging of operating parameters, freely programmable controller FU version: Energy saving thanks to variable-speed drive (VSD = FU)
50 to 1.200	UO-ED Z		Max Permeate Backpressure 7 bar, most hygienic design to prevent microbiological contamination
2.500 to 12.000	UO-D FU	RO digital	Low-pressure membranes, freely programmable controller. Energy saving thanks to variable-speed drive (VSD = FU)
3.000 to 15.000	UO-S7 KR/FU	PLC Siemens S7-1200	Concentrate-staged, permeate recovery up to 90% Energy saving thanks to variable-speed drive (VSD = FU)
200 to 1.700	UO-D P(FU)	RO digital (2x)	Permeate staged, typical permeate conductivity < 5 µS/cm, energy-saving thanks to variable speed drive (VSD = FU) (from 750l/h)
Ultra-pure water			
150 to 20.000	UP-S7/FU	PLC Siemens S7-1200	RO + EDI, diluate < 0.2 µS/cm energy-saving thanks to variable-speed drive (VSD = FU, from 550 l/h)
150 to 2.200	EP	PLC Siemens LOGO!	Diluate < 0.2 µS/cm, permeate demineralisation
Tap water (free of chlorine, antiscalant dosing)			
450 to 30.000	UO-D AS/FU	RO digital	Incl. ARA, KSE, connection for Dosing AS-K Energy saving thanks to variable-speed drive (VSD = FU)
Brackish water			
250 to 13.500	UO-D BW/FU	RO Digital	For raw water < 5,000 mg/l TDS, incl. ARA, KSE, PKR, 2x connection for dosing point, energy-saving thanks to variable speed-drive (VSD = FU)

BASIC DATA NEEDED TO SELECT A REVERSE OSMOSIS/EDI SYSTEM

1. Quality and source of the feed water to be demineralised (analysis, pre-treatment)
2. Permeate rate (per hour and per day on average)
3. Permeate quality (conductivity)
4. Controller type (µP controllers RO 524, RO 1000, RO digital, PLC)
5. Type of pre-treatment, available equipment on site, primary pressure, permeate backpressure, installation site, transport to location, etc
6. Significance of the running costs (electric energy, wastewater)

HERCO RO

REVERSE OSMOSIS - OPTIONS

LIMITRON

Safety device to protect the membranes in case of softener malfunctioning. In case hardness is detected, the RO will automatically shut off.

This is always an advised option but most relevant when:

- Pre-treatment is a simplex softener
- Inlet hardness is variable
- There is limited maintenance and/or no guaranteed operator for salt refilling

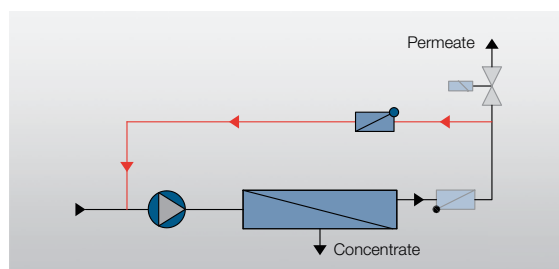


PR - PERMEATE RECIRCULATION

The quality of the permeate is being measured and as long as a set quality value (can be programmed in the controller) is not reached, the valve stays closed and the permeate goes back to the inlet. When the required value/quality is reached, the valve opens and the permeate tank is filled.

This is a relevant option when:

- Reverse osmosis starts and stops frequently
- A certain maximum limit value of the permeate in the storage tank needs to be guaranteed

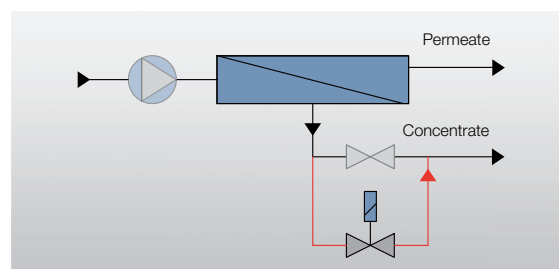


KSE - CONCENTRATE FLUSHING DEVICE

Every time the systems stops, the concentrate and dirt is flushed out of the membranes. This will result in a longer lifetime of the membranes.

This is a most relevant option when:

- There is antiscalant dosing as pre-treatment
- The quality of the raw water is bad (e.g. pre-treatment is not optimal)



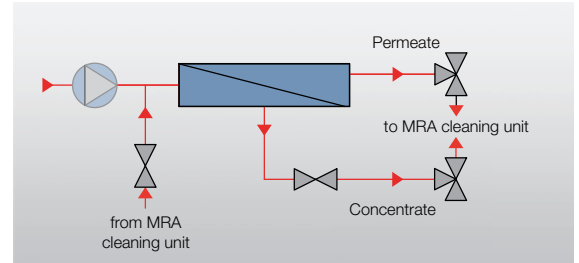
REVERSE OSMOSIS - OPTIONS

ARA - CONNECTION KIT FOR MANUAL CLEANING UNIT

Ball valves for the connection of a manual cleaning unit e.g. for acid or alkali cleaning of the RO membrane.

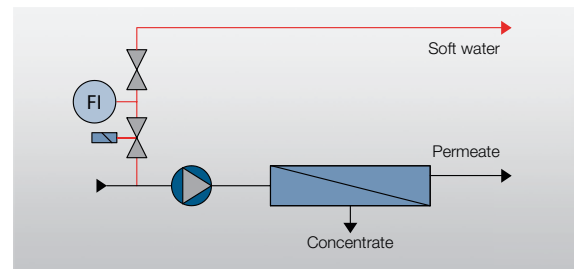
Advantages:

- Easier to make the cleaning as the pipings do not need to be disconnected first.
- Economy of time for making the cleaning
- Avoiding mistakes



VSE BLENDING DEVICE

Automatic bypass of the RO unit to blend permeate with RO feed water in a tank.



DESIGN IN PP

Design of the ultrapure water plant UP-S7 or the RO plant of the type UO-D ND (FU), UO-D AS (FU) or UO-D BW/FU in polypropylene (PP). The entire low-pressure piping is made of PP, the high-pressure piping remains unchanged.

In detail, the following system parts are made of PP instead of PVC:

- Shut-off valve feed water (if designed as diaphragm valve)
- Inlet piping up to the high-pressure pump
- Permeate piping and permeate return if available (and associated diaphragm valve, if required)
- Concentrate piping downstream of the control valves
- Cleaning connections (if available)

The surcharge includes not only the material costs but also the engineering and the additional manufacturing costs.

COMPACT UNITS - UO SERIES

DESCRIPTION

For desalination of softened drinking water according to drinking water regulations (free chlorine not detectable). Compact system with a small footprint suitable for wall mounting or fixation on the floor.

FEATURES

- Wall mounted or free standing
- Particularly space-saving (410 x 380 x 1250 mm)
- RO 524 controller
- Recovery from 75% to 80%
- Salt rejection percentage: min. 97%
- Working pressure: 15 bar
- Voltage: 230 V/50 Hz
- Analogue flow meters



UO 500
RO 524 controller

Reference	Search Name	Item Name	Permeate Flow	Membranes		€
			l/h	4021	4040	
5110010166	381 921	UO 120	120	1		6.225,87
5110010167	381 922	UO 300	300		1	6.583,29
5110010129	381 923	UO 500	500		2	7.404,39

ARA connections included

Possibility to use specific membranes to achieve a rejection rate >98.5% (up to 20% reduction of flow)

Options

4804000640	370 038	Limitron 3/4"				664,13
5213000236	383 764	Permeate recirculation PR 500/24				794,54
5213000174	383 765	Blending device VSE 500				927,36
5213000284	383 767	HR Modules UO(-D) 120 to 500 (C) (CD) & Budget				on request

* The units are designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C, a max. colloidal index of 3 and free permeate outlet. Under these conditions, the unit still reaches design permeate flow after 3 years of operation. The permeate recovery depends on the raw water quality and the type of pre-treatment.

COMPACT UNITS - UO-D SERIES

DESCRIPTION

For desalination of softened drinking water according to drinking water regulations (free chlorine not detectable).

Compact unit suitable for wall mounting or fixation on the floor.

FEATURES

- Wall mounted or free standing
- Particularly space-saving (460 x 400 x 1260 mm)
- RO digital controller
- Recovery from 75% to 80%
- Salt rejection percentage: min. 97%
- Working pressure: 12 bar
- Voltage: 230 V/50 Hz
- Digital flow meters



UO-D 500
RO digital controller

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes		€
				4021	4040	
5110010175	387 141	UO-D 120	120	1		7.573,44
5110010137	387 142	UO-D 300	300		1	7.602,42
5110010177	387 143	UO-D 500	500		2	8.534,61

ARA connections included, Profinet interface on demand

Possibility to use specific membranes to achieve a rejection rate >98.5% (up to 20% reduction of flow)

Options

4804000640	370 038	Limitron 3/4"				664,13
5213000236	383 764	Permeate recirculation PR 500/24				794,54
5213000174	383 765	Blending device VSE 500				927,36
5213000284	383 767	HR Modules UO(-D) 120 to 500 (C) (CD) & Budget				on request
5213000279	542 070	Profinet Interface UO-D 120-500 C/CD				2.514,02

* The units are designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C, a max. colloidal index of 3 and free permeate outlet. Under these conditions, the unit still reaches design permeate flow after 3 years of operation. The permeate recovery depends on the raw water quality and the type of pre-treatment.

VERTICAL FRAME UNITS - UO-D SERIES

DESCRIPTION

For desalination of softened drinking water according to drinking water regulations (free chlorine not detectable).

FEATURES

- Skid mounted, complete unit
- Particularly space-saving (610 x 810 x 1800 mm)
- RO digital controller
- Recovery from 75% to 80%
- Salt rejection percentage: 97%
- Working pressure: 14 bar
- Voltage: 3 x 400V / 50 Hz
- Digital flow meters



UO-D 2000
RO digital controller

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes 4040	€
5110010183	387 151	UO-D 600	600	2	17.148,92
5110010187	387 152	UO-D 900	900	3	17.945,87
5110010191	387 153	UO-D 1200	1200	4	18.972,24
5110010195	387 154	UO-D 1500	1500	5	20.085,56
5110010199	387 155	UO-D 2000	2000	6	24.384,26

ARA included

Options

4804000640	370 038	Limitron 3/4" (for UO-D 600 - 1500)			664,13
4804000641	370 069	Limitron 1" (for UO-D 2000)			666,54
5213020006	383 774	Concentrate flushing device KSE 2000/24			683,45
5213010010	383 775	Permeate recirculation PR 2000/24			883,89
5213000296	383 805	Blending device VSE 600 for UO-D 600-1500l/h units			1.422,44
5213000295	383 776	Blending device VSE 2000 for UO-D 2000l/h units			1.533,53
5213000054	541 842	PROFINET-Interface			2.514,02
5213000285	383 777	HR Modules UO-D 600 to 2000 (CD) (FU)			on request

* The units are designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C, a max. colloidal index of 3 and free permeate outlet. Under these conditions, the unit still reaches design permeate flow after 3 years of operation. The permeate recovery depends on the raw water quality and the type of pre-treatment.

VERTICAL FRAME UNITS - UO-D FU SERIES

DESCRIPTION

For desalination of softened drinking water according to drinking water regulations (free chlorine not detectable).

Up to 30% energy savings due to high pressure pump with frequency converter (FU) with control of permeate flow rate at constant value (PKR). Particularly quiet operation.

ADVANTAGES

- Energy saving of 30 - 50 % compared to RO units without VSD
- Automatic regulation PKR for constant permeate rates even at fluctuating operating conditions included
- Particularly quiet operation



UO-D 2000 FU
RO digital controller

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes 4040	€
5110010184	387 161	UO-D 600 FU	600	2	20.141,10
5110010188	387 162	UO-D 900 FU	900	3	21.138,50
5110010192	387 163	UO-D 1200 FU	1200	4	22.181,78
5110010196	387 164	UO-D 1500 FU	1500	5	23.565,57
5110010200	387 165	UO-D 2000 FU	2000	6	27.463,38

ARA and PKR included

Options

4804000640	370 038	Limitron 3/4" (for UO-D 600 - 1500)			664,13
4804000641	370 069	Limitron 1" (for UO-D 2000)			666,54
5213020006	383 774	Concentrate flushing device KSE 2000/24			683,45
5213010010	383 775	Permeate recirculation PR 2000/24			883,89
5213000296	383 805	Blending device VSE 600 for UO-D 600-1500l/h units			1.422,44
5213000295	383 776	Blending device VSE 2000 for UO-D 2000l/h units			1.533,53
5213000054	541 842	PROFINET-Interface			2.514,02
5213000285	383 777	HR Modules UO-D 600 to 2000 (CD) (FU)			on request

* The units are designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C, a max. colloidal index of 3 and free permeate outlet. Under these conditions, the unit still reaches design permeate flow after 3 years of operation. The permeate recovery depends on the raw water quality and the type of pre-treatment.

STANDARD UNITS - UO-D FU SERIES

DESCRIPTION

Reverse osmosis units for desalination of softened water with a salinity of up to 1,000 mg/l. Each unit is equipped with a high-quality centrifugal pump with variable-speed drive (VSD = FU), which reduces energy consumption by 30 - 50 %.

The RO digital microprocessor controller enables fully automatic operation with logging of all relevant operating data and freely adjustable limit values. The unit can be connected to the central control system via optional interfaces.



UO-D 4300 FU
RO digital controller

FEATURES

- Complete unit skid mounted
- RO digital controller
- Recovery from 75% to 80%
- Voltage: 3 x 380 - 500V / 50-60 Hz
- Optional: Profinet, Profibus, Modbus RTU/TCP and BACnet interfaces
- Optional: SPS (PLC Siemens S7-1200) instead of RO digital
- Optional: PP version instead of PVC

ADVANTAGES VSD (FU)

- Energy saving of 30 - 50 % compared to RO units without VSD
- Payback period for VSD usually less than one year
- Permeate production constant independent of operating pressure (permeate constant control PKR)
- Protection of the unit due to soft start
- Particularly quiet operation

Reference	Search Name	Item Name	Permeate Flow	Membranes		€
			l/h	4040	8040	
4" horizontal						
5110010266	387 195	UO-D 2500 FU	2500	8		27.023,85
5110010267	387 196	UO-D 3000 FU	3000	9		28.810,95
5110010268	387 197	UO-D 3500 FU	3500	12		31.515,75
8" horizontal						
5110010269	387 198	UO-D 4300 FU	4300		3	35.041,65
5110010270	387 199	UO-D 5400 FU	5400		4	40.354,65
5110010271	387 200	UO-D 7000 FU	7000		5	44.170,35
5110010272	387 201	UO-D 8000 FU	8000		6	48.324,15
5110010273	387 202	UO-D 10000 FU	10000		8	54.047,70
5110010274	387 203	UO-D 12000 FU	120000		9	57.646,05

VSE on request - PKR included

* The units are designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C, a maximum colloidal index of 3 and free permeate outlet. Under these conditions, the unit still reaches design permeate flow after three years of operation. The permeate recovery depends on the raw water quality and the type of pretreatment.

STANDARD UNITS - UO-D FU SERIES

OPTIONS

Reference	Search Name	Item Name	Type RO	€
4804000641	370 069	Limitron 1"	UO-D 2500 - 3500 FU	666,54
4804000642	370 044	Limitron 1 1/4"	UO-D 4300 - 5400 FU	784,88
4804000643	370 070	Limitron 1 1/2"	UO-D 7000 - 10000 FU	847,67
4804000644	370 063	Limitron 2"	UO-D 12000 FU	874,23
5213010011	383 452	Permeate recirculation PR-II 3500/24	UO-D 2500 - 3500 FU	1.622,88
5213010012	383 453	Permeate recirculation PR-II 5000/24	UO-D 4300 - 5400 FU	1.707,41
5213010013	383 454	Permeate recirculation PR-II 8500/24	UO-D 7000 - 10000 FU	1.845,06
5213010015	383 456	Permeate recirculation PR-II 15000/24	UO-D 12000 FU	2.494,80
5213020003	382 873	Concentrate rinsing KSE 3500/24	UO-D 2500 - 3500 FU	746,24
5213020004	382 878	Concentrate rinsing KSE 10000/24	UO-D 4300 - 10000 FU	1.120,56
5213020005	382 905	Concentrate rinsing KSE 30000/24	UO-D 12000 FU	1.540,77
5213040701	382 113	Connector kit (ARA DN25) for cleaning set MRA	UO-D 2500 - 3500 FU	1.089,17
5213040702	382 114	Connector kit (ARA DN32) for cleaning set MRA	UO-D 4300 - 5400 FU	1.449,00
5213040703	382 122	Connector kit (ARA DN40) for cleaning set MRA	UO-D 7000 - 10000 FU	1.584,24
5213040704	382 138	Connector kit (ARA DN50/1) for cleaning set MRA	UO-D 12000 FU	1.994,79
5213000054	541 842	PROFINET-Interface		2.514,02
5213000280	800 002	PLC Siemens S7-1200 for UO-D FU, UO-D AS/FU & UO-D BW/FU	UO-D 2500 - 3500 FU	10.287,90

HIGH EFFICIENCY UNITS (90%) - KR/FU SERIES

DESCRIPTION

Concentrate-staged reverse osmosis units with high recovery up to 90 % for desalination of softened water with a salinity of up to 1,000 mg/l. Energy savings of 30 - 50 % due to the design of the centrifugal pump with variable-speed drive (VSD = FU).

The PLC Siemens S7-1200 allows visualization of the plant as well as optimal control and evaluation of the plant operation, optional data transfer via interfaces, remote access and subsequent control extensions are possible. Extension or adaptation of the controller possible (on request at extra cost).



UO-S7 10000 KR/FU
PLC Siemens S7 - 1200 controller

FEATURES

- Low water consumption thanks to high permeate recovery up to 90%
- Special membrane selection for optimal permeate quality
- Incl. concentrate flushing unit (KSE) & connection kit for cleaning unit (ARA)
- Optional: Profinet, Profibus, Modbus RTU/TCP and BACnet interfaces
- Optional: automatic concentrate rinsing with permeate (KVP)

ADVANTAGES VSD (FU)

- Energy saving of 30 - 50 % compared to RO units without VSD
- Payback period for VSD usually less than one year
- Permeate production constant independent of operating pressure (permeate constant control PKR)
- Protection of the unit due to soft start
- Particularly quiet operation

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes		€
				4040	8040	
5110010227	381 822	UO-S7 3000 KR/FU	3000	12		48.126,12
5110010228	381 832	UO-S7 3500 KR/FU	3500	14		50.565,27
5110010231	381 842	UO-S7 4000 KR/FU	4000	4	3	62.220,06
5110010232	381 852	UO-S7 5000 KR/FU	5000	4	4	65.654,19
5110010234	381 862	UO-S7 6000 KR/FU	6000	5	5	71.537,13
5110010236	381 872	UO-S7 7000 KR/FU	7000	6	6	75.560,52
5110010238	381 882	UO-S7 8500 KR/FU	8500	7	7	84.254,52
5110010241	381 962	UO-S7 10000 KR/FU	10000	9	9	94.936,07
5110010243	381 972	UO-S7 12000 KR/FU	12000	10	10	98.524,76
5110010244	381 982	UO-S7 15000 KR/FU	15000	12	12	103.828,10

VSE on request - ARA and KSE included.

HIGH EFFICIENCY UNITS (90%) - KR/FU SERIES

OPTIONS

Reference	Search Name	Item Name	Type RO	€
5213010011	383 452	Permeate recirculation PR-II 3500/24	UO-S7 3000 - 3500 KR/FU	1.622,88
5213010012	383 453	Permeate recirculation PR-II 5000/24	UO-S7 4000 - 5000 KR/FU	1.707,41
5213010013	383 454	Permeate recirculation PR-II 8500/24	UO-S7 6000 - 8500 KR/FU	1.845,06
5213010014	383 455	Permeate recirculation PR-II 10000/24	UO-S7 10000 KR/FU	2.392,50
5213010015	383 456	Permeate recirculation PR-II 15000/24	UO-S7 12000 - 15000 KR/FU	2.494,80
5213020007	383 457	Concentrate rinsing with permeate KVP 200 KR	UO-S7 3000 - 3500 KR/FU	7.858,41
5213020008	383 458	Concentrate rinsing with permeate KVP 300 / DN 32 KR	UO-S7 4000 - 5000 KR/FU	10.746,75
5213020009	383 460	Concentrate rinsing with permeate KVP 300 / DN 40 KR	UO-S7 6000 - 8500 KR/FU	10.799,88
5213020010	383 459	Concentrate rinsing with permeate KVP 500 KR	UO-S7 10000 - 15000 KR/FU	15.018,89
4804000641	370 069	Limitron 1 "	UO-S7 3000 - 3500 KR/FU	666,54
4804000642	370 044	Limitron 1 1/4 "	UO-S7 4000 - 6000 KR/FU	784,88
4804000643	370 070	Limitron 1 1/2 "	UO-S7 7000 - 10000 KR/FU	847,67
4804000644	370 063	Limitron 2 "	UO-S7 12000 - 15000 KR/FU	874,23
5213000363	542 404	Duty standby assist for on-demand control of 2 RO units		3.064,64

PERMEATE STAGED UNITS - P (FU) SERIES

DESCRIPTION

For desalination of softened drinking water according to drinking water regulations (free chlorine not detectable). With 4" or 8" membrane housings.

Permeate-staged RO System with second permeate stage for treating the permeate of the first stage once again. Thereby a very high quality of permeate is achieved.

FEATURES

- Each stage skid-mounted
- RO digital controller up to 1700 l/h, higher units are equipped with PLC Siemens S7-1200 and are on request
- Two-stage design ensures very good permeate quality (typical conductivity < 5 µS/cm)
- Incl. frequency converter (for 750l/h units and bigger)
- Incl. permeate constant control PKR (FU version)



UO-D 1250 P/FU
RO digital controller

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes 4040	€
P series					
5110010255	387 190	UO-D 200 P	200	1	18.296,04
5110010256	387 191	UO-D 400 P	400	2	20.773,83
P/FU series					
5110010257	387 192	UO-D 750 P/FU	750	3	41.992,02
5110010258	387 193	UO-D 1250 P/FU	1250	5	46.201,37
5110010259	387 194	UO-D 1700 P/FU	1700	6	56.238,11

* The units are designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C and a maximum colloidal index of 3. Under these conditions, the units still reach designed permeate flow after three years of operation. The permeate recovery depends on the raw water quality and the type of pretreatment.

HERCO RO

PERMEATE STAGED UNITS - P (FU) SERIES

OPTIONS

Reference	Search Name	Item Name	Type RO	€
4804000640	370 038	Limitron 3/4 "	UO-D 200 - 1250 P/FU	664,13
4804000641	370 069	Limitron 1 "	UO-D 1700 P/FU	666,54
5213000054	541 842	PROFINET-Interface		2.514,02

HERCO RO

COUNTER PRESSURE UNITS - UO-ED Z & UO-ED Z CD SERIES

DESCRIPTION

For desalination of softened drinking water according to drinking water regulations (free chlorine not detectable).

Counter pressure unit designed for supply of permeate under pressure up to 7 bar.

Installation in hygienic design to prevent biological contamination. For direct supply of several users (e.g. humidifiers) with water according VDI 6022, without interposed permeate storage tank.

FEATURES

- Complete unit skid mounted
- Permeate pressure up to 7 bar
- Integrated diaphragm pressure vessel
- RO digital controller
- Recovery: up to 80%
- Salt rejection percentage: min. 97%
- Design pressure: 12 to 15 bar (depending on type)
- Voltage: 1x 230V (50-150) / 3x380V (300-1200)
- Digital flow meters
- Profinet interface (option)
- Incl. permeate recirculation
- Hygienic concept to avoid biological contamination



UO-ED 300 Z
RO digital controller

ADVANTAGES

The UO-ED Z series was developed for the direct feeding of multiple systems (e.g. humidifiers) that randomly require pure water. The advantages of the UO-ED series:

- Direct permeate supply under pressure (up to 7 bar)
- Integrated diaphragm pressure vessel
- Integrated permeate recirculation
- Hygienic concept to avoid biological contamination

* The unit is designed for a maximum TDS of 1,000 mg/l, a water temperature of 15°C, a maximum colloidal index of 3 and permeate back pressure. Under these conditions, the unit still reaches the designed permeate flow after three years of operation. The permeate recovery rate depends on the raw water quality and the type of pre-treatment.

HERCO RO

COUNTER PRESSURE UNITS - UO-ED Z & UO-ED Z CD SERIES

UO-ED Z SERIES

Reference	Search Name	Item Name	Permeate Flow		Membranes		€
			4 bar	7 bar	2540	4040	
5110010113	380 620	UO-ED 50 Z	50 l/h	35 l/h	1		10.140,59
5110010114	380 621	UO-ED 150 Z	150 l/h	100 l/h	1		10.889,24
5110010115	380 622	UO-ED 300 Z	300 l/h	200 l/h	1		14.081,87
5110010116	380 623	UO-ED 600 Z	600 l/h	400 l/h	2		15.023,72
5110010117	380 624	UO-ED 900 Z	900 l/h	600 l/h	3		16.629,69
5110010118	380 625	UO-ED 1200 Z	1200 l/h	800 l/h	4		18.102,84

PR and ARA included - VSE on request

UO-ED Z SERIES CD

Reference	Search Name	Item Name	Permeate Flow		Membranes		€
			4 bar	7 bar	2540	4040	
5110010246	420 250	UO-ED 50 Z CD	50 l/h	35 l/h	1		16.917,08
5110010247	420 251	UO-ED 150 Z CD	150 l/h	100 l/h	1		21.078,12
5110010248	420 252	UO-ED 300 Z CD	300 l/h	200 l/h	1		23.326,49
5110010249	420 253	UO-ED 600 Z CD	600 l/h	400 l/h	2		24.978,35
5110010250	420 254	UO-ED 900 Z CD	900 l/h	600 l/h	3		40.389,30
5110010251	420 255	UO-ED 1200 Z CD	1200 l/h	800 l/h	4		47.483,10

PR and ARA included - VSE on request

OPTIONS

Reference	Search Name	Item Name	Type RO	€
4804000640	370 038	Limitron 3/4"	UO-ED 50 - 1200 Z	664,13
5213000054	541 842	PROFINET-Interface	UO-ED 300 - 1200 Z	2.514,02
5213000286	383 829	HR Modules UO-ED Z		142,49

PROFINET-Interface for UO-ED 50-150 Z on request

HERCO RO

ULTRA-PURE WATER - UP-S7 & UP-S7 FU SERIES

DESCRIPTION

The ultrapure water units produce a very high diluate quality with a typical conductivity of $< 0.2 \mu\text{S/cm}$ by combining reverse osmosis (RO) and electrodeionisation (EDI). The unit are equipped with a high-quality centrifugal pump (from unit size 550 l/h on), which saves 30 - 50% energy with a variable-speed drive (VSD = FU).

The PLC Siemens S7-1200 enables visualisation of the unit as well as optimal control and evaluation of the unit operation. Optionally, data transfer via interfaces, remote access and subsequent expansion or adaptation of the control system are possible (on request at extra charge).



UP-S7 20000
PLC Siemens S7-1200 controller

FEATURES

- High diluate quality due to a downstream EDI (typical EC $< 0.2 \mu\text{S/cm}$ or resistance $> 5\text{M}\Omega \times \text{cm}$)
- No chemicals required
- Ideal for the sectors pharma, power plant and microelectronics
- Easy to operate via a 7" display (4" for size 150/250)
- Optional: Profinet, Profibus, Modbus RTU/TCP and BACnet interfaces
- Optional: PP version instead of PVC

ADVANTAGES VSD (FU)

- Energy saving of 30 - 50 % compared to RO units without VSD
- Payback period for VSD usually less than one year
- Permeate production constant independent of operating pressure (permeate constant control PKR)
- Protection of the unit due to soft start
- Particularly quiet operation

UP-S7 SERIES

Reference	Search Name	Item Name	Diluate Flow l/h	Membranes 4040	€
4" Vertical					
5110030022	425 083	UP-S7 150	150	1	44.957,64
5110030023	425 093	UP-S7 250	250	1	44.225,90

ULTRA-PURE WATER - UP-S7 & UP-S7 FU SERIES

UP-S7 FU SERIES

Reference	Search Name	Item Name	Diluate Flow	Membranes		€
			l/h	4040	8040	
4" Vertical						
5110030026	425 006	UP-S7 550 FU	550	2		57.906,87
5110030028	425 016	UP-S7 800 FU	800	3		59.437,98
5110030030	425 026	UP-S7 1100 FU	1100	4		63.420,32
5110030031	425 036	UP-S7 1500 FU	1500	6		68.436,27
5110030033	425 056	UP-S7 2200 FU	2200	8		77.337,96
4" Horizontal						
5110030035	425 086	UP-S7 3000 FU	3000	11		92.552,46
8" Horizontal						
5110030037	425 088	UP-S7 4100 FU	4100		4	104.917,26
5110030039	425 090	UP-S7 6000 FU	6000		5	139.925,10
5110030041	425 094	UP-S7 8200 FU	8200		7	150.894,03
5110030043	425 096	UP-S7 12500 FU	12500		11	255.843,00
5110030045	425 098	UP-S7 20000 FU	20000		17	454.844,25

OPTIONS

Reference	Search Name	Item Name	Type RO	€
5213000247	425 228	CO2- Degasifier MEG 900 DL	UP-S7 150 - 250 UP-S7 550 - 800 FU	12.623,21
5213000248	425 229	CO2- Degasifier MEG 2500 DL	UP-S7 1100 - 2200 FU	13.864,52
5213000249	425 230	CO2- Degasifier MEG 6600 DL	UP-S7 3000 - 6000 FU	13.864,52
5213000250	425 231	CO2- Degasifier MEG 12500 SV	UP-S7 8200 - 12500 FU	32.172,63
5213000363	542 404	Duty standby assist for on-demand control of 2 RO units		3.064,64

HERCO RO

ULTRA-PURE WATER - EP SERIES (EDI)

DESCRIPTION

Vertical frame system for polishing of reverse osmosis permeate, operating on the principle of electro-deionization

FEATURES

- Complete unit skid mounted
- For the demineralisation of RO permeate
- Uses the electro-deionization technology
- Recovery: 90%
- Resistivity of EP water (with free CO₂): 5MΩxcm
- Resistivity of EP water (without free CO₂): > 10 MΩxcm
- Design pressure: 1 to 2.5 bar (depending on type)
- Voltage: 230 V/50 Hz (150) / 3 x 400 V/50 Hz (300 - 2200)
- Analogue flowmeters



EP 1500

EP SERIES

Reference	Search Name	Item Name	Diluate Flow l/h	€
5110030006	425 161	EP 150	150	30.904,76
5110030666	425 101	EP 300	300	33.029,96
5110030667	425 121	EP 900	900	33.314,93
5110030668	425 141	EP 1500	1500	36.403,71
5110030669	425 151	EP 2200	2200	39.023,99

OPTIONS

Reference	Search Name	Item Name	Type RO	€
5213000421	800 026	Upgrade kit standalone-operation EP-Units	EP 150 - EP 2200	on request

* The units are designed for a permeate conductivity of 4–20 µS/cm, a CO₂ content of 10 mg/l, a SiO₂ content of max. 0.5 mg/l and a colloidal index of max. 0.25. The feed water has to be softened (< 0.1°GH) and pre-treated by means of a reverse osmosis unit (without intermediate permeate tank). The EDI product quality depends on the quality of the permeate.

ULTRA-PURE WATER - POLISHER MB SERIES

FEATURES

- Operation after UP-unit or ultrapure water pressure booster system
- Two vessels made of GRP with frame, piping in PP
- Incl. manometer, sampling valves and resin trap (PVC)
- High-grade conductivity meter by Thornton
- Mixed bed resin not included – to be ordered separately
- Operation in parallel connection as standard
- Series connection also possible with extension package (additional conductivity meter)

ADVANTAGES

- Great flexibility through multiple operating modes
- GRP vessels can be individually locked
- Transparent resin trap
- Free choice of resin type



POLISHER MB SERIES

Reference	Search Name	Item Name	Flow Rate m ³ /h	€
5213000422	030 146	Polisher MB 2000 PP	2	on request
5213000423	030 147	Polisher MB 4000 PP	4	on request
5213000424	030 148	Polisher MB 6000 PP	6	on request

OPTIONS

Reference	Search Name	Item Name	€
5213000426	030 151	Resin filling Polisher MB 2000 PP	on request
5213000427	030 152	Resin filling Polisher MB 4000 PP	on request
5213000428	030 153	Resin filling Polisher MB 6000 PP	on request

HERCO RO

TAP WATER - UO-D AS/FU SERIES

DESCRIPTION

Reverse osmosis units for the desalination of hardness-stabilised water with a salinity of up to 1,000 mg/l. Operated with dosing of antiscalant instead of upstream softening. Each unit is equipped with a high-quality centrifugal pump with variable-speed drive (VSD = FU), which reduces energy consumption by 30 - 50 %.

The RO digital microprocessor controller enables fully automatic operation with logging of all relevant operating data and freely adjustable limit values. The unit can be connected to the central control system via optional interfaces.



UO-D 10000 AS/FU
RO digital controller

FEATURES

- Complete unit skid mounted
- RO digital controller
- Recovery from 75% to 80%
- Salt rejection percentage: min. 97%
- Voltage: 3 x 380 - 400 or 500V / 50-60 Hz
- Optional: Profinet, Profibus, Modbus RTU/TCP and BACnet interfaces
- Optional: SPS (PLC Siemens S7-1200) instead of RO digital
- Optional: PP version instead of PVC
- Incl. connector kit for manual cleaning set
- Incl. concentrate rinsing
- Prepared for a dosing station with antiscalant

ADVANTAGES VSD (FU)

- Energy saving of 30 - 50 % compared to RO units without VSD
- Payback period for VSD usually less than one year
- Permeate production constant independent of operating pressure (permeate constant control PKR)
- Protection of the unit due to soft start
- Particularly quiet operation

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes		€
				4040	8040	
4" vertical						
5110050072	387 156	UO-D 450 AS/FU	450	2		19.320,00
5110050073	387 157	UO-D 700 AS/FU	700	3		21.493,50
5110050074	387 158	UO-D 950 AS/FU	950	4		22.073,10
5110050075	387 159	UO-D 1250 AS/FU	1250	5		23.328,90

* The RO devices are designed for a maximum TDS content of 1000 mg/l, water temperature of 15°C and maximum SDI of 3. The return will depend on the incoming water and the type of pretreatment.

TAP WATER - UO-D AS/FU SERIES

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes 40408040	€
4" horizontal					
5110050015	387 160	UO-D 1650 AS/FU	1650	6	23.618,70
5110050019	387 204	UO-D 2200 AS/FU	2200	8	26.323,50
5110050022	387 205	UO-D 2500 AS/FU	2500	9	27.941,55
5110050024	387 206	UO-D 3100 AS/FU	3100	12	31.153,50
VSE on request - ARA and KSE included					
8" Horizontal					
5110050026	387 207	UO-D 3800 AS/FU	3800	3	37.915,50
5110050028	387 208	UO-D 5000 AS/FU	5000	4	43.421,70
5110050030	387 209	UO-D 6000 AS/FU	6000	5	47.261,55
5110050032	387 210	UO-D 7000 AS/FU	7000	6	50.473,50
5110050034	387 211	UO-D 8500 AS/FU	8500	8	54.385,80
5110050036	387 212	UO-D 10000 AS/FU	10000	9	60.447,45
5110050038	387 213	UO-D 12000 AS/FU	12000	10	63.949,20
5110050040	387 214	UO-D 15000 AS/FU	15000	12	71.508,15
5110050042	387 215	UO-D 18000 AS/FU	18000	15	81.433,80
5110050044	387 216	UO-D 20000 AS/FU	20000	17	92.639,40
5110050046	387 217	UO-D 25000 AS/FU	25000	20	106.936,20
5110050048	387 218	UO-D 30000 AS/FU	30000	25	121.377,90
VSE on request - ARA and KSE included					

HERCO RO

TAP WATER - UO-D AS/FU SERIES

OPTIONS

Reference	Search Name	Item Name	Type RO	€
5213010010	383 775	Permeate recirculation PR 2000/24	UO-D 450 - 1650 AS/FU	883,89
5213010011	383 452	Permeate recirculation PR-II 3500/24	UO-D 2200 - 3100 AS/FU	1.622,88
5213010012	383 453	Permeate recirculation PR-II 5000/24	UO-D 3800 - 5000 AS/FU	1.707,41
5213010013	383 454	Permeate recirculation PR-II 8500/24	UO-D 6000 - 8500 AS/FU	1.845,06
5213010015	383 456	Permeate recirculation PR-II 15000/24	UO-D 10000 - 15000 AS/FU	2.494,80
5213010017	383 322	Permeate recirculation PR-II 25000/24	UO-D 18000 - 25000 AS/FU	3.477,60
5213010018	383 323	Permeate recirculation PR-II 30000/24	UO-D 30000 AS/FU	3.743,25
5213000054	541 842	PROFINET-Interface		2.514,02
5213000280	800 002	PLC Siemens S7-1200 for UO-D FU, UO-D AS/FU & UO-D BW/FU		10.287,90

ACCESSORIES FOR TAP WATER UNITS

BOOSTER PUMP

Fully automatic pressure booster station, consisting of a rugged and self-priming centrifugal pump made from stainless steel and a pressure control unit for demand-dependent pumping of water. The built-in ejector with vanes ensures an optimal self-priming performance with suction heights up to 8 m. Long and trouble-free operation is guaranteed thanks to its rugged design and use of corrosion-resistant materials.



Reference	Search Name	Item Name	€
2101010002	440 437	Centrifugal jet pump + pressure control JP4 C	783,08

CLEANING SETS

The MRA manual cleaning unit is used for periodic cleaning of the reverse osmosis unit with acidic or alkaline membrane cleaners. The installation of a cleaning unit is recommended if regular cleaning of the membranes is to be expected, e.g. due to difficult raw water or due to antiscalant operation.



Reference	Search Name	Item Name	Type RO	€
5213030696	382 026	Cleaning set MRA - Vessel size 100L	UO 50 - 1500	5.634,20
5213030697	382 095	Cleaning set MRA - Vessel size 200L	UO 1650 - 3500	6.725,78
5213030698	382 332	Cleaning set MRA - Vessel size 300L	UO 3800 - 9500	8.645,70
5213030699	382 407	Cleaning set MRA - Vessel size 500L	UO 10000 - 17000	12.676,34
5213030927	382 809	Cleaning set MRA - Vessel size 1000L	UO 18000 - 30000	12.159,53

ACCESSORIES FOR TAP WATER UNITS

DOSING STATIONS



5213000046

Reference	Search Name	Item Name	€
5213000046	450 301	Dosing Station Dosin AS-K (antiscalant)	4.356,66
5213000094	450 302	Dosing Station Dosin UO-DB75 (chemical)	5.076,33
5213000276	450 303	Dosing Station Dosin UO-DB100 (chemical)	4.262,48
5213000277	450 304	Dosing Station Dosin UO-DB100REG (chemical)	3.272,33
5213000219	453 099	Safety drip tray for DOSIN AS-K, 1x25 kg drum	96,60
5213000278	450 089	Safety drip tray for DOSIN DB75 and DB100	234,26

FOULING INDEX (SDI) MEASURING DEVICE

Reference	Search Name	Item Name	€
5213021530	382 284	Fouling Index (SDI) Measuring Device	1.316,18

SAFETY BRINE VALVES (SBV)

Reference	Search Name	Item Name	€
5209001130	FIN72A100001000	Float switch - length 3m	80,64 87,21
5209001691	A95B10M	Float switch - length 10m	111,93

STORAGE TANK FOR RO INSTALLATION

Reference	Search Name	Item Name	€
0601016584	MZT750CSW1	Storage tank 750 L	629,16
0601014895	MZT1100SW1	Storage tank 1100 L	1.342,70
0601015054	STOCK2000L	Storage tank 2000 L	2.064,44

ACCESSORIES FOR TAP WATER UNITS

RAW WATER / PERMEATE TANKS

Reference	Search Name	Item Name	€
Rectangular			
0601090001	430 264	1100L Rectangular Black PE Tank	2.226,63
0601090002	430 265	1500L Rectangular Black PE Tank	2.786,91
0601090003	430 266	2000L Rectangular Black PE Tank	3.067,05
0601090009	430 395	2500L Rectangular Black PE Tank	4.320,44
0601090004	430 268	3000L Rectangular Black PE Tank	5.250,21
0601090005	430 269	4000L Rectangular Black PE Tank	6.537,41
0601090012	430 374	5000L Rectangular Black PE Tank	9.949,80
Round			
0601090006	430 277	200L Round Black PE Tank	1.263,05
0601090007	430 278	300L Round PE Tank with Inlet & Overflow	1.601,15
0601090008	430 279	500L Round PE Tank with Inlet & Overflow	2.144,52

BRACKISH WATER - UO-D BW/FU

DESCRIPTION

Brackish water reverse osmosis units for desalination of water with a salinity of up to 5,000 mg/l. Operation with recovery of 50 - 75 % depending on salt content in the feed water and target desalination rate. Each unit is equipped with a high-quality centrifugal pump, energy savings of 30 - 50 % due to design with variable-speed drive (VSD = FU).

The RO digital control system enables fully automatic operation with logging of all relevant operating data. The unit can be connected to the central control system via optional interfaces.

FEATURES

- Complete unit skid mounted
- RO digital controller
- Permeate recovery 50-75 %, depends on feed water salinity & desired desalination rate
- Adapted materials for resistance to high salt content in the concentrate
- Space-saving design due to vertical pressure pipes (up to 1000l/h)
- Possibility to control & connect two dosing stations
- Incl. connection kit for MRA manual cleaning unit (ARA)
- Incl. concentrate flushing device (KSE)
- Optional: Profinet, Profibus, Modbus RTU/TCP and BACnet interfaces
- Optional: SPS (PLC Siemens S7-1200) instead of RO digital
- Optional: PP version instead of PVC



UO-D 1000 BW
RO digital controller

ADVANTAGES VSD (FU)

- Energy saving of 30 - 50 % compared to RO units without VSD
- Payback period for VSD usually less than one year
- Permeate production constant independent of operating pressure (permeate constant control PKR)
- Protection of the unit due to soft start
- Particularly quiet operation

* The units are designed for a maximum TDS of 5,000 mg/l, a water temperature of 15 °C, a maximum colloidal index of 3 and free permeate outlet. Under these conditions, the units still reach design permeate flow after three years of operation. The permeate recovery depends on the raw water quality and the type of pre-treatment.

BRACKISH WATER - UO-D BW/FU

Reference	Search Name	Item Name	Permeate Flow l/h	Membranes 40408040	€
4" Vertical					
5110060036	384 501	UO-D 250 BW/FU	250	1	21.358,26
5110060037	384 511	UO-D 500 BW/FU	500	2	21.993,41
5110060038	384 531	UO-D 1000 BW/FU	1000	4	24.509,84
4" Horizontal					
5110060039	384 561	UO-D 2000 BW/FU	2000	8	37.524,27
5110060040	384 581	UO-D 3000 BW/FU	3000	12	40.477,82
8" Horizontal					
5110060041	384 601	UO-D 4500 BW/FU	4500	4	45.136,35
5110060042	384 621	UO-D 6500 BW/FU	6500	6	55.127,21
5110060043	384 641	UO-D 10000 BW/FU	10000	9	68.740,56
5110060045	385 661	UO-D 13500 BW/FU	13500	12	on request

OPTIONS

Reference	Search Name	Item Name	Type RO	€
5213000353	384 720	Permeate Flushing Unit KVP 100 BW	UO-D 250 - 1000 BW/FU	8.686,76
5213000354	384 721	Permeate Flushing Unit KVP 200 BW	UO-D 2000 - 3000 BW/FU	9.790,41
5213000355	384 722	Permeate Flushing Unit KVP 300 BW	UO-D 4500 - 6500 BW/FU	12.386,54
5213000356	384 723	Permeate Flushing Unit KVP 500 BW	UO-D 10000 - 13500 BW/FU	18.076,28
5213000054	541 842	PROFINET-Interface		2.514,02
5213000280	800 002	PLC Siemens S7-1200 for UO-D FU, UO-D AS/FU & UO-D BW/FU		10.287,90

HERCO UF

FEATURES

- Skid-mounted, free-standing ultrafiltration unit for the filtration of surface or well water that has been pre-filtered or flocculated
- Fully automatic operation with cyclic backwash of the UF membranes with ultrafiltrate
- Recommended for raw water with a high particle concentration between 20 and 0.2 µm and a turbidity > 1 NTU
- Fully automatic operation using PLC type Siemens S 7-1200 with convenient touch screen interface
- Backwash tank / cleaning tank with high-capacity, frequency controlled backwash pump included



Herco UF 2D6

Reference	Search Name	Item Name	Product Capacity m³/h	€
5110040004	428 044	Herco UF 1D6	3.75	79.153,20
5110040005	428 054	Herco UF 2D6	7.5	112.729,05
5110040006	428 064	Herco UF 4D6	15	153.524,70
5110040007	428 074	Herco UF 6D6	22.5	194.455,80
5110040008	428 084	Herco UF 8D6	30	259.194,60

CHEMICAL ENHANCED BACKWASH FOR UF

Reference	Search Name	Item Name	€
5213000034	428 129	Chemical dosing station with 1 dosing pump for UF 1D6 up to 6D6	7.670,25
5213000035	428 130	Chemical dosing station with 1 dosing pump for UF 8D6	9.815,40

HERCO MIXED BED POLISHERS

MIXED BED INSTALLATION WITH REPLACEMENT CARTRIDGE

FEATURES

- Production of demineralised water from drinking water
- Pure water quality up to $< 0.1 \mu\text{S/cm}$
- Capacity stated for feed water with approx. $300 \mu\text{S/cm}$ (3.57mmol/z , approx. 10°dH) and conductivity of up to $20 \mu\text{S/cm}$ in the pure water
- The capacity decreases if the salt content in the feed water is higher and/or the required pure water conductivity is lower
- All hydraulic connections: $R \frac{3}{4}"$



ADVANTAGES

- Compact and simple system – easy to install
- Quick and easy cartridge replacement
- No wastewater

Reference	Search Name	Item Name	Flow Rate l/h	€
1600010633	010 001	Destillo D2 cpl	50	398,48
Cartridge				
1700010634	010 002	Spare cartridge for destillo D2		60,38

HERCO MIXED BED POLISHERS

STAINLESS STEEL MIXED BED POLISHER KIT

FEATURES

- Stainless steel version, pressure-proof up to 10 bar, for direct supply to pure water consumers (e.g. industrial dishwashers, sterilisers, air humidifiers), SS water distribution system
- Permanently regenerable quality resin
- Destillo complete units (cpl) incl. conductivity meter with connection cable, connection hoses, wrench



Reference	Search Name	Item Name	Flow Rate l/h at delta p =1 bar / 2 bar pressure drop	Capacity at 300 µS/cm l	€
1600011009	020 001	Destillo D12 dE cpl	200 / 300	1500	1.287,20
1600011010	020 054	Destillo D17 dE cpl	1000 / 1500	2000	1.352,40
1600011011	020 056	Destillo D22 dE cpl	1000 / 1500	2800	1.432,10
1600011012	020 058	Destillo D26 dE cpl	1000 / 1500	3300	1.499,72
1600011013	020 060	Destillo D46 dE cpl	1000 / 1500	6000	1.806,42
1600011014	020 007	Destillo D100 dE cpl	1600 / 2500	13000	3.260,25
Cartridge					
1700011015	020 002	Cartridge Destillo D12 dE			850,08
1700011016	020 055	Cartridge Destillo D17 dE			908,04
1700011017	020 057	Cartridge Destillo D22 dE			994,98
1700011018	020 059	Cartridge Destillo D26 dE			1.067,43
1700011019	020 061	Cartridge Destillo D46 dE			1.400,70
1700011020	020 008	Cartridge Destillo D100 dE			2.856,95

HERCO MIXED BED POLISHERS

CONDUCTIVITY METER - LWM D

FEATURES

- For Destillo D12 - D100
- Conductivity meter with temperature compensation
- Easy-to-read digital display of conductivity value
- Limit value contact (switchpoint 10 μ S/cm, others on request)
- Manual bridging of limit value contact during start-up



Reference	Search Name	Item Name	Suitable for	€
4804020010	070 030	Conductivity Meter LWM D	Destillo D12 dE - D100 dE	567,53

CONDUCTIVITY METER - LWM S D2

FEATURES

- For Destillo D2
- Conductivity meter with integrated battery (exchangeable, working life approx. 5 years)
- Easy-to-understand qualitative display of water quality with green, yellow and red LED
- Non-adjustable switchpoint at 5 μ S/cm (green to yellow) and 20 μ S/cm (yellow to red)



Reference	Search Name	Item Name	Suitable for	€
4804020012	070 032	Conductivity Meter LWM S D2	Destillo D2	265,65

HERCO COOLING SYSTEMS

COOLTROL DATA

FEATURES

- Blowdown controller for open cooling systems and scrubbers with documentation function (according to 42nd BImSchV)
- Data can be read out from micro SD card
- Conductive or inductive EC measurement with temperature compensation
- Graphic display with German and English menu navigation



Reference	Search Name	Item Name	Measuring Range mS/m	€
2309060001	170 156	Blowdown unit Cooltrol data K (MKB 15) K = 1.0	10 - 500	3.303,72
5213000429	170 163	Blowdown unit Cooltrol data K (MKB 20) K=1.0	10 - 500	on request
5213000430	170 162	Blowdown unit Cooltrol data K (MKB 25) K=1.0	10 - 500	on request
5213000431	170 170	Blowdown unit Cooltrol data K (MKB 15) K=0.1	0.5 - 10	on request
5213000432	170 173	Blowdown unit Cooltrol data K (MKB 20) K=0.1	0.5 - 10	on request
5213000433	170 172	Blowdown unit Cooltrol data K (MKB 25) K=0.1	0.5 - 10	on request
2309060002	170 157	Blowdown unit Cooltrol data I (MKB 15)	10 - 500	4.417,04
5213000434	170 167	Blowdown unit Cooltrol data I (MKB 25)	10 - 500	on request
2309060003	170 158	Bypass Blowdown unit Cooltrol data K (K=1.0)	10 - 500	2.721,71
5213000435	170 171	Bypass Blowdown unit Cooltrol data K (K=0.1)	0.5 - 10	on request
2309060004	170 159	Bypass Blowdown unit Cooltrol data I	10 - 500	3.859,17

MEASURING PROBES & ACCESSORIES

Reference	Search Name	Item Name	Measuring Range mS/m	€
2909040001	175 143	Conductivity probe LFK 1.0 Cooltrol data	10 - 500	313,95
2909040002	175 145	Conductivity probe LFI Cooltrol data	10 - 500	1.429,68
5213000436	175 144	Conductivity probe LFK 0.1 Cooltrol data	0.5 - 10	on request
5213000437	175 146	Flow assembly Cooltrol data K		on request
5213000438	175 148	Flow assembly Cooltrol data I		on request

ESLI RO

If the traditional purification systems fail to eliminate undesirable minerals from the water (e.g. sea water, well water with high conductivity ...), reverse osmosis is the solution to obtain pure water.

BENEFITS

- Compact design in industrial water purifying solutions
- Easy and automatic operation
- Plug & Play
- Short lead time

SOLUTION FOR EACH TYPE OF WATER

- RO systems
 - Alfa series
 - Pallas Alfa
 - Gama series



AQUALINE BUDGET RO

The budget RO consists off:

- Stainless steel frame
- An efficiency of 50%
- Min. salt rejection 95%
- Working pressure: 10 bar
- Voltage: 230V/50Hz
- Solenoid valve on the inlet
- 5 micron pre-filter
- Pressure switch water shortage
- Booster pump with adjustable output on the pump
- Manometer
- Membrane holder with PWG 4021ND membrane
- Conductivity meter on the Permeate
- Adjustable drain output
- Float switch
- Controller with conductivity display
- Alarm panel



Reference	Item Name	Permeate Flow l/h	Membranes	€
5113000017	Aqualine Budget BT-125-3 Horizontal RO	100	4021 x 1	3.252,84

ALFA SERIES

FEATURES

- Membrane vessels FRP or Stainless Steel
- TFC Spiral wound membranes 2,5" or 4" diameter
- SS304 stainless steel vertical centrifuge high pressure pump (available in between ALFA 340 - ALFA 1540)
- Brass body rotary type high pressure pump (available between ALFA 140 - ALFA 240)
- Equipments between ALFA 140 and ALFA 640 has SS304 stainless steel frame (optional ST-37 carbon steel)
- Equipments between ALFA 840 and ALFA 1540 has ST-37 carbon steel or SS304 stainless steel frame
- 5 micron cartridge filter
- Low and high pressure pipings U-PVC
- Solenoid automatic valves or equivalent valve
- Pressure adjustment valves in pump outlet and waste water line
- Low and high pressure switches
- Permeate and concentrate flowmeters (rotameters)
- Recirculation flowmeters (reverse cycle is available in between ALFA 340 - ALFA 1540)
- Glycerine filled Manometers
- Product water conductivitymeter
- Autoflush System
- RO Electronic Control Card, Alarm and Position Indicators
- 220 V/50Hz/1ph (between ALFA 140 - ALFA 240)
- 380 V/50Hz/3ph (between ALFA 340 - ALFA 1540)
- Antiscalant dosage system is not included



RECOMMENDED FEED WATER LIMITS

Feedwater TDS	0 - 2,000 ppm
Feedwater Pressure	2 - 5 bar
Feedwater pH Range	6 - 8
Silica (SiO ₂) tolerance	25 ppm max
Feedwater Temperature	10°C - 30°C
Iron (Fe) tolerance	0.05 ppm (without ASC dosing) 0.2 ppm (with ASC dosing)

Hydrogen Sulfide should be removed.
 Turbidity should be removed (NTU < 1)
 Oil-Grase should be removed
 SDI < 1
 Microbiological contamination should be removed

ESLI RO

ALFA SERIES

ADVANTAGES

- Compact design in industrial water purifying solutions
- Easy and automatic operation
- Plug & Play
- High quality material: AISI304 skid, high pressure rotary pumps, stainless steel membranes, ...
- Pollet Water Group in-house manufacturing

WITH MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C l/day	Membranes 4040	Recovery %	Pump Model	€
5113010014	WM-RP	ALFA 140	5000	1	50	Rotary Brass	on request
5113010014	WM-VP	ALFA 140	5000	1	50	CR1-15	on request
5113010016	WM-RP	ALFA 240	10000	2	50	Rotary Brass	on request
5113010016	WM-VP	ALFA 240	10000	2	50	CR1-17	on request
5113010018	WM-VP	ALFA 340	15000	3	60	CR1-21	on request
5113010019	WM-VP	ALFA 440	20000	4	60	CR1-23	on request
5113010020	WM-VP	ALFA 540	25000	5	60	CR3-21	on request
5113010021	WM-VP	ALFA 640	30000	6	60	CR3-23	on request
5113010023	WM-VP	ALFA 840	40000	8	70	CR3-23	on request
5113010024	WM-VP	ALFA 940	45000	9	70	CR3-27	on request
5113010025	WM-VP	ALFA 1040	50000	10	70	CR3-29	on request
5113010026	WM-VP	ALFA 1240	60000	12	70	CR5-18	on request
5113010022	WM-VP	ALFA 1540	75000	15	70	CR5-20	on request

ALFA SERIES

WITHOUT MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C l/day	Recovery %	Pump Model	€
5113010014	WOM-RP	ALFA 140	5000	50	Rotary Brass	on request
5113010014	WOM-VP	ALFA 140	5000	50	CR1-15	on request
5113010016	WOM-RP	ALFA 240	10000	50	Rotary Brass	4.321,41
5113010016	WOM-VP	ALFA 240	10000	50	CR1-17	on request
5113010018	WOM-VP	ALFA 340	15000	60	CR1-21	on request
5113010019	WOM-VP	ALFA 440	20000	60	CR1-23	on request
5113010020	WOM-VP	ALFA 540	25000	60	CR3-21	on request
5113010021	WOM-VP	ALFA 640	30000	60	CR3-23	on request
5113010023	WOM-VP	ALFA 840	40000	70	CR3-23	on request
5113010024	WOM-VP	ALFA 940	45000	70	CR3-27	on request
5113010025	WOM-VP	ALFA 1040	50000	70	CR3-29	on request
5113010026	WOM-VP	ALFA 1240	60000	70	CR5-18	on request
5113010022	WOM-VP	ALFA 1540	75000	70	CR5-20	on request

PALLAS ALFA

FEATURES

- FRP membrane vessels
- SS304 stainless steel
- 20" BB 5 micron PP cartridge filter
- Low and high pressure pipework in U-PVC (PN16)
- Solenoid automatic valves (Inlet and autoflush)
- Manual valves (after HP pump, drain line and recirculation line)
- Low and high pressure switches
- Permeate and concentrate flowmeters (rotameters)
- Recirculation flowmeters
- Product water conductivity meter (possibility to set an alarm for low/high conductivity)
- Autoflush System
- RO electronic control card, alarm & position Indicators
- 220 V/50Hz/1ph (ALFA 140 - 240)
- 380 V/50Hz/3ph (ALFA 440 - 540 - 640)
- Antiscalant dosing and CIP inlet points as standard, dosage system and CIP are optional



RECOMMENDED FEED WATER LIMITS

Max. Feedwater TDS	3,000 ppm (Alfa 140 - Max. TDS 2.000 ppm)
Feedwater Pressure	2 - 5 bar
Feedwater pH Range	6 - 8
Silica (SiO ₂) tolerance	25 ppm max
Feedwater Temperature	min./max. 10/30 °c
Iron (Fe) tolerance	0.05 ppm (without ASC dosing) 0.2 ppm (with ASC dosing)

PALLAS ALFA

ADVANTAGES

- Pollet Water Group in-house manufacturing
- Compact and reliable water treatment system
- Easy to install, low maintenance
- Pure water with high recovery membranes
- AISI 304 Skid with FRP pressure vessels
- Grundfos pump
- Standard models available from stock
- Special models on request

Reference	Item Name	Permeate Flow l/h	Membranes	Recovery %	Pump Model	€
5113010062	Pallas Alfa 140	250	1 x LG BW 4040 UES	75	Grundfos CM 1-10 (single phase)	on request
5113010063	Pallas Alfa 240	500	2 x LG BW 4040 UES	75	Grundfos CM 1-10 (single phase)	on request
5113010064	Pallas Alfa 440	1000	4 x LG BW 4040 UES	75	Grundfos CM 3-14 (tri phase)	on request
5113010066	Pallas Alfa 540	1250	5 x LG BW 4040 UES	75	Grundfos CM 3-14 (tri phase)	on request
5113010067	Pallas Alfa 640	1500	6 x LG BW 4040 UES	75	Grundfos CM 3-14 (tri phase)	on request

Permeate flow rate depends on the feed water TDS, temperature, permeate recovery and membrane model.
We highly recommend to use softened water or to use ASC dosing to prevent against scaling/fouling.

ESLI RO

GAMA SERIES



FEATURES

- Membrane vessels FRP
- TFC Spiral wound membranes 8" diameter
- Frame is AISI304 Stainless Steel or ST-37 Epoxy Painted Carbon Steel
- PP housing between GAMA180 - GAMA380
- PVC cartridge filter between GAMA480 - GAMA2480
- Stainless Steel cartridge filter after GAMA3080
- U-PVC low and high pressure piping between GAMA180 - GAMA3080
- U-PVC low pressure piping between GAMA180 - 3080 & AISI304 stainless steel piping between GAMA3680 - 9680
- Automatic valves are electrical actuated
- Flow regulation valves at pump outlet and drain lines
- Low and high pressure switches
- Inline flowmeters at product and drain water lines
- Glycerine type manometers
- Conductivitymeter at product water line
- Autoflush System
- For optional automatic rinsing-CIP systems; cip pump and cip tank
- Electronic card or PLC control panel
- Antiscalant dosage system is not included

RECOMMENDED FEED WATER LIMITS

Feedwater TDS	0 - 2,000 ppm
Feedwater Pressure	2 - 5 bar
Feedwater pH Range	6 - 8
Silica (SiO ₂) tolerance	25 ppm max
Feedwater Temperature	10°C - 30°C
Iron (Fe) tolerance	0.05 ppm (without ASC dosing) 0.2 ppm (with ASC dosing)

Hydrogen Sulfide should be removed.
Turbidity should be removed (NTU < 1)
Oil-Grase should be removed
SDI < 1
Microbiological contamination should be removed

GAMA SERIES

TDS:2000 - WITH MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C m³/h	Membranes 8040	Recovery %	Pump Model	€
5113100001	WM	GAMA 180	1	1	50	CR5-20	on request
5113110001	STD	GAMA 280	2	2	50	CR5-20	on request
5113040001	WM	GAMA 380	3	3	60	CR5-24	on request
5113230001	WM	GAMA 480	4	4	60	CR10-12	on request
5113050001	WM	GAMA 680	6	6	65	CR10-12	on request
5113080001	WM	GAMA 880	8	8	70	CR15-09	on request
5113060001	WM	GAMA 1080	10	10	70	CR15-10	on request
5113090001	WM-CIP-PLC	GAMA 1280	12	12	75	CR15-12	on request
5113000006	WM	GAMA 1580	15	15	75	CR20-10	on request
5113120001	WM	GAMA 1880	18	18	75	CR20-12	on request
5113130003	WM	GAMA 2480	24	24	75	CR32-9	on request
5113140001	WM	GAMA 3080	30	30	75	CR45-6	on request
5113150001	WM	GAMA 3680	36	36	75	CR45-6	on request
5113160001	WM	GAMA 4280	42	42	75	CR64-5	on request
5113170001	WM	GAMA 4880	48	48	75	CR64-5	on request
5113240001	WM	GAMA 5480	54	54	75	CR64-6-1	on request
5113180001	WM	GAMA 6080	60	60	75	CR90-5	on request
5113250001	WM	GAMA 6680	66	66	75	CR90-6-2	on request
5113190001	WM	GAMA 7280	72	72	75	CR90-6-2	on request
5113260001	WM	GAMA 7880	78	78	75	CR120-6-1	on request
5113270001	WM	GAMA 8480	84	84	75	CR120-6-1	on request
5113280001	WM	GAMA 9080	90	90	75	CR120-6-1	on request
5113200001	WM	GAMA 9680	96	96	75	CR120-7	on request

Control panel with PLC (+ touchscreen) & Rinse & CIP are included

GAMA SERIES

TDS:2000 - WITHOUT MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C m³/h	Recovery %	Pump Model	€
5113100001	WOM	GAMA 180	1	50	CR5-20	on request
5113110001	WOM	GAMA 280	2	50	CR5-20	on request
5113040001	WOM	GAMA 380	3	60	CR5-24	on request
5113230001	WOM	GAMA 480	4	60	CR10-12	on request
5113050001	WOM	GAMA 680	6	65	CR10-12	on request
5113080001	WOM	GAMA 880	8	70	CR15-09	on request
5113060001	WOM	GAMA 1080	10	70	CR15-10	on request
5113090001	WOM	GAMA 1280	12	75	CR15-12	on request
5113000006	WOM	GAMA 1580	15	75	CR20-10	on request
5113120001	WOM	GAMA 1880	18	75	CR20-12	on request
5113130003	WOM	GAMA 2480	24	75	CR32-9	on request
5113140001	WOM	GAMA 3080	30	75	CR45-6	on request
5113150001	WOM	GAMA 3680	36	75	CR45-6	on request
5113160001	WOM	GAMA 4280	42	75	CR64-5	on request
5113170001	WOM	GAMA 4880	48	75	CR64-5	on request
5113240001	WOM	GAMA 5480	54	75	CR64-6-1	on request
5113180001	WOM	GAMA 6080	60	75	CR90-5	on request
5113250001	WOM	GAMA 6680	66	75	CR90-6-2	on request
5113190001	WOM	GAMA 7280	72	75	CR90-6-2	on request
5113260001	WOM	GAMA 7880	78	75	CR120-6-1	on request
5113270001	WOM	GAMA 8480	84	75	CR120-6-1	on request
5113280001	WOM	GAMA 9080	90	75	CR120-6-1	on request
5113200001	WOM	GAMA 9680	96	75	CR120-7	on request

GAMA SERIES

TDS:5000 - WITH MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C m³/h	Membranes 8040	Recovery %	Pump Model	€
5113100002	WM	GAMA 180	0.9	1	40	CRN5-29	on request
5113110002	WM	GAMA 280	1.8	2	50	CRN5-32	on request
5113040004	WM	GAMA 380	2.7	3	60	CRN5-36	on request
5113230002	WM	GAMA 480	3.5	4	60	CRN10-18	on request
5113050002	WM	GAMA 680	5.5	6	60	CRN10-20	on request
5113080002	WM	GAMA 880	7	8	60	CRN15-14	on request
5113060002	WM	GAMA 1080	9	10	65	CRN15-17	on request
5113090002	WM	GAMA 1280	11	12	65	CRN15-17	on request
5113290001	WM	GAMA 1580	14	15	65	CRN20-17	on request
5113120002	WM	GAMA 1880	16	18	65	CRN32-11	on request
5113130002	WM	GAMA 2480	22	24	65	CRN32-13	on request
5113140002	WM	GAMA 3080	27	30	65	CRN45-9	on request
5113150002	WM	GAMA 3680	33	36	65	CRN45-10	on request
5113160002	WM	GAMA 4280	38	42	65	CRN64-8-2	on request

ESLI RO

GAMA SERIES

TDS:5000 - WITHOUT MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C m³/h	Recovery %	Pump Model	€
5113100002	WOM	GAMA 180	0.9	40	CRN5-29	on request
5113110002	WOM	GAMA 280	1.8	50	CRN5-32	on request
5113040004	WOM	GAMA 380	2.7	60	CRN5-36	on request
5113230002	WOM	GAMA 480	3.5	60	CRN10-18	on request
5113050002	WOM	GAMA 680	5.5	60	CRN10-20	on request
5113080002	WOM	GAMA 880	7	60	CRN15-14	on request
5113060002	WOM	GAMA 1080	9	65	CRN15-17	on request
5113090002	WOM	GAMA 1280	11	65	CRN15-17	on request
5113290001	WOM	GAMA 1580	14	65	CRN20-17	on request
5113120002	WOM	GAMA 1880	16	65	CRN32-11	on request
5113130002	WOM	GAMA 2480	22	65	CRN32-13	on request
5113140002	WOM	GAMA 3080	27	65	CRN45-9	on request
5113150002	WOM	GAMA 3680	33	65	CRN45-10	on request
5113160002	WOM	GAMA 4280	38	65	CRN64-8-2	on request

GAMA SERIES

TDS:10000 - MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C m³/h	Membranes 8040	Recovery %	Pump Model	€
5113300001	WM	GAMA 480	3	4	50	CRN5-16 + CRN5-34SF	on request
5113310001	WM	GAMA 680	5	6	50	CRN10-12 + CRN10-21SF	on request
5113320001	WM	GAMA 880	6	8	50	CRN15-3 + CRN15-16SF	on request
5113330001	WM	GAMA 1080	8	10	55	CRN15-5 + CRN15-16SF	on request
5113090003	WM	GAMA 1280	10	12	60	CRN15-7 + CRN15-16SF	on request
5113340001	WM	GAMA 1580	12	15	60	CRN15-9 + CRN15-16SF	on request
5113350001	WM	GAMA 1880	14	18	60	CRN20-10 + CRN20-16SF	on request

TDS:10000 - WITHOUT MEMBRANES

Reference	Config.	Item Name	Permeate capacity @ 20C m³/h	Recovery %	Pump Model	€
5113300001	WOM	GAMA 480	3	50	CRN5-16 + CRN5-34SF	on request
5113310001	WOM	GAMA 680	5	50	CRN10-12 + CRN10-21SF	on request
5113320001	WOM	GAMA 880	6	50	CRN15-3 + CRN15-16SF	on request
5113330001	WOM	GAMA 1080	8	55	CRN15-5 + CRN15-16SF	on request
5113090003	WOM	GAMA 1280	10	60	CRN15-7 + CRN15-16SF	on request
5113340001	WOM	GAMA 1580	12	60	CRN15-9 + CRN15-16SF	on request
5113350001	WOM	GAMA 1880	14	60	CRN20-10 + CRN20-16SF	on request

ESLI UF

Ultrafiltration is a membrane process with pore filters with a cut point of 0.1 to 0.01 μm . Dirt particles and turbidities (also germs) are retained by the pores. Plant technology uses the existing supply pressure. The water to be purified is completely passed through the membrane (dead-end filtration), the dirt attaches to the membrane. The transmembrane pressure increases as long as the backwash is triggered with filtrate and the membranes are cleansed again.

BENEFITS

- Low Maintenance
- High-Performance System

SOLUTION FOR EACH TYPE OF WATER

- UF systems
 - SAUF (standard UF series)
 - PAUF (professional UF series)
 - GAUF (grey water treatment series)



ULTRAFILTRATION

ESLI UF

FEATURES

- Raw water suspended solid value assumed lower than 50 ppm
- Backwash tank is not included, it is recommended to use a production water tank
- Backwash pumps are SS316 and included. Product water tank is not included.
- PVC piping designed at PN10
- Valves are electrical actuated valves
- Flow meters are inline rota type
- CIP system is not included



SAUF (STANDARD UF SERIES)

Reference	Item Name	Module Quantity	Feed Capacity m ³ /h	Product Capacity m ³ /h	€
1612030001	SAUF16 (0,5 m ³ /h)	1	0.55	0.5	on request
1612030002	SAUF26 (1 m ³ /h)	2	1.1	1	on request
1612030003	SAUF36 (1,5 m ³ /h)	3	1.65	1.5	on request

GAUF (GREY WATER TREATMENT SERIES)

Reference	Item Name	Module Quantity	Feed Capacity m ³ /h	Product Capacity m ³ /h	€
1612030011	GAUF16 (0,25m ³ /h)	1	0.28	0.25	on request
1612030012	GAUF26 (0,5m ³ /h)	2	0.55	0.5	on request
1612030013	GAUF36 (0,75m ³ /h)	3	0.83	0.75	on request

ULTRAFILTRATION

ESLI UF

PAUF (PROFESSIONAL UF SERIES)

Reference	Config.	Item Name	Module Quantity	Feed Capacity m³/h	Product Capacity m³/h	Min. Backwash Tank Volume m³	€
1612030022	STD	PAUF160 (4,5 m³/h)	1	5	4.5	1	on request
1612030038	STD	PAUF260 (9 m³/h)	2	10	9	2	on request
1612030039	STD	PAUF360 (13,5 m³/h)	3	15	13.5	3	on request
1612030026	STD	PAUF480 (24 m³/h)	4	27	24	5	on request
1612030040	STD	PAUF680 (36 m³/h)	6	40	36	6	on request
1612030041	STD	PAUF880 (48 m³/h)	8	53.5	48	8	on request
1612030042	STD	PAUF1080 (60 m³/h)	10	67	60	10	on request
1612030031	STD	PAUF1280 (72 m³/h)	12	80	72	12	on request
1612030032	STD	PAUF1480 (84 m³/h)	14	93.5	84	14	on request
1612030033	STD	PAUF1680 (96 m³/h)	16	107	96	16	on request
1612030034	STD	PAUF1880 (108 m³/h)	18	120	108	18	on request

MANUAL CIP FOR PAUF

Reference	Config.	Item Name	CIP Tank Volume L	€
1612030015		Manual CIP System for PAUF160	500	on request
1612030016		Manual CIP System for PAUF260	500	on request
1612030017		Manual CIP System for PAUF360	500	on request
1612030018		Manual CIP System for PAUF460	500	on request
1612030019		Manual CIP System for PAUF660	1000	on request
1612030020		Manual CIP System for PAUF860	1000	on request
1612030021		Manual CIP System for PAUF1060	1000	on request
1612030029		Manual CIP System for PAUF1880	2000	on request
1612030035		Manual CIP System for PAUF1280	2000	on request
1612030036		Manual CIP System for PAUF1480	2000	on request
1612030037		Manual CIP System for PAUF1680	2000	on request



UV SYSTEMS

UV systems	231
Domestic & Commercial UV	235
Industrial UV	238
Other sterilization systems	247

UV SYSTEMS

The effect of UV light on bacteria, viruses, spores and moulds has been known to science for many years. The shortwave ultraviolet energy is lethal to micro-organisms as the UV rays penetrate the cell membranes and destroy the DNA inside the cell, effectively destroying the organism and its ability to reproduce.

Ultraviolet disinfection is extremely fast, it requires no chemicals or additives and cannot be overdosed. No chemical residuals are left in the treated water.

BENEFITS

- Very wide range of products
- Capable of satisfying most requirements of both private water and industrial users
- Personalized equipments
- Our range of UV sterilizers are able to satisfy most flow requirements (5 l/m to 1,400 m³/hr)
- Three kinds of lamps: low pressure, low pressure amalgam and medium pressure

TYPES

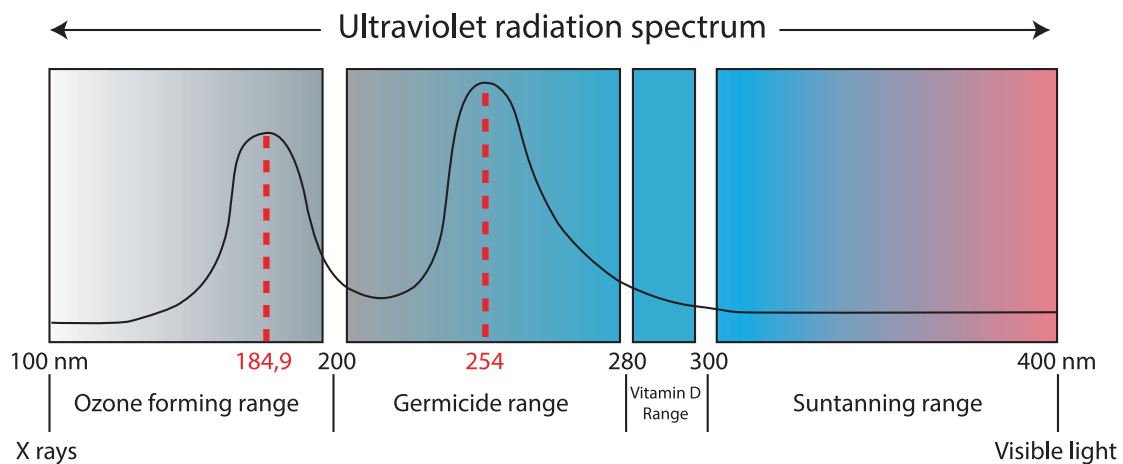
- The treatment of primary waters
- The disinfection in swimming pools
- Applications with sea water, hot water, water-culture
- Systems for alimentary
- Systems for pharmaceutical use
- Waste water with closed chambers
- Reduction of ozone
- Air disinfection



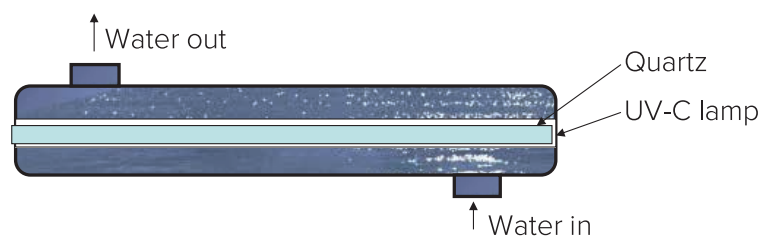
UV SYSTEMS

HOW DOES UV-DISINFECTION WORK?

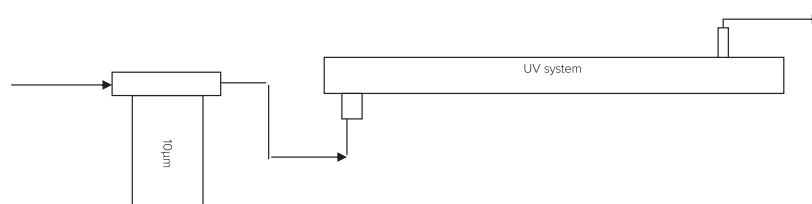
The effect of UV light on bacteria, viruses, spores and moulds has been known to science for many years. Ultraviolet energy at 254nm wavelength is radiated by special lamps. The shortwave ultraviolet energy is lethal to micro-organisms. The ultraviolet rays penetrate the cell membranes and destroy the DNA inside the cell, effectively destroying the organism and its ability to reproduce. Ultraviolet disinfection is extremely fast, it requires no chemicals or additives and cannot be overdosed. No chemical residuals are left in the treated water.



Inside the stainless steel chamber runs a sleeve made of a special quartz glass transparent to UV rays and a UV lamp inside this. The sleeve is sealed into the chamber at each end creating a water jacket around the lamp. Water to be treated enters the chamber at one end and exits at the opposite end. As the water passes through the chamber it is exposed to the ultraviolet rays and micro-organisms are killed.



In private water supplies the UV system is the last part of the treatment system after the pump, filtration system and storage. A sediment filter is normally fitted just before the UV. This sediment filter stops particles getting through to the UV behind which bacteria can hide and thus not be killed. For domestic systems a 10 inch filter housing with a 5um or 10um filter is normally adequate. For dirtier waters or those requiring a higher flow rate larger sediment filters or two in series may be needed.



SITA UV SYSTEMS

TIMER OVERVIEW



LCD²

- LCD Display
- Hours run meter
- Alarm LED
- Alarm relay (free) NO/NC
- Alarm relay (230V) NO/NC
- Remote on/off



LCD² PLUS

- Same features as the LCD
- End of lamp alarm
- UV transmission or temperature display
- High temperature shut down
- Remote on/off



TOUCH SCREEN

- SITA Touch-Screen (65000 colours)
- Multi language display
- Hour meters (system and lamp life)
- 6 digital outputs
- Remote access with App or WebGate



AL

- LED displays green when lamp is on and red when lamp is off



AL²

- LED Display
- Days run display
- Buzzer

DOMESTIC & COMMERCIAL UV

PALLAS LCD² RANGE

DESCRIPTION

All products are made in Italy to ISO 9001 quality standards. Sita units are WRAS approved. The standard LCD range consists out of a stainless steel chamber (304 or 316), and a control panel with an LCD display, alarm contacts & two meters: total life of system meter and a countdown of lamp life. The PLUS version has a UV intensity meter (or temperature meter) and a high temperature shut down.



ON REQUEST

- 4-20 mA outlet
- Remote shutdown system (24V)
- Ö-Norm / DVGW approved sensor
- Audio alarm



LCD² (PLUS)

Electrical Panel	LCD ²	LCD ² Plus
Protection degree	IP 55	IP 55
LCD2 Display (microprocessor control)	✓	✓
Total hour-meter	✓	✓
Resettable count down hour-meter	✓	✓
Alarm red led	✓	✓
Alarm relay Free Contact NO / NC	✓	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
On/Off Timer	✓	✓
Remote On/Off contact	✓	✓
Display of Irradiation /temperature control	✗	✓
Shutdown for high temperature UV chamber	✗	✓
4/20 mA output	✗	✓ (optional)
Electrical plug	schuko / UK / no plug	

SPARE PARTS

Reference	Item Name	€
2602016080	Pallas UV Lamp 30 W for UV 405	87,23
2602016103	Pallas UV Lamp 40 W for UV 412, 440, 450, 550	109,05
2602015780	Pallas UV Lamp 80 W for UV 80 series	205,03
2602021699	Quartz Tube for UV405	64,57
2602021126	Quartz Tube for UV412 - 40/80	91,93
2602036092	O-Ring for Quartz Sleeve	4,88

DOMESTIC & COMMERCIAL UV

PALLAS LCD² RANGE



LCD²

PALLAS LCD² - EU PLUG

Reference	Item Name	Watt	Max Flow Rate	Conn.	Length mm	€
2502030001	UV 405 LCD 304	1 x 30	20 l/min	3/4" M	524	749,39
2502030003	UV 405 LCD 316	1 x 30	20 l/min	3/4" M	524	783,14
2502030005	UV 405C LCD 304	1 x 33	30 l/min	3/4" M	674	709,59
2502030007	UV 405C LCD 316	1 x 33	30 l/min	3/4" M	674	837,30
2502030009	UV 412 LCD 304	1 x 40	45 l/min	1" M	925	999,16
2502030011	UV 412 LCD 316	1 x 40	45 l/min	1" M	925	1.044,21
2502030013	UV 440 LCD 304 EU Plug	1 x 40	60 l/min	1 1/2" M	880	1.706,90
2502030015	UV 440 LCD 316 EU Plug	1 x 40	60 l/min	1 1/2" M	880	1.723,88
2502030017	UV 450 LCD 304 EU Plug	2 x 40	75 l/min	1" M	925	1.761,65
2502030018	UV 450 LCD 316 EU Plug	2 x 40	75 l/min	1" M	925	2.068,68
2502030019	UV 480 LCD 304 EU Plug	1 x 80	85 l/min	1 1/2" M	880	1.878,33
2502030021	UV 480 LCD 316 EU Plug	1 x 80	85 l/min	1 1/2" M	880	2.216,41
2502030023	UV 550 LCD 304 EU Plug	2 x 40	100 l/min	1 1/2" M	985	2.445,37
2502030025	UV 550 LCD 316 EU Plug	2 x 40	100 l/min	1 1/2" M	985	2.708,98
2502030027	UV 80/2 LCD 304 EU Plug	2 x 80	200 l/min	1 1/2" M	985	3.786,41
2502030029	UV 80/2 LCD 316 EU Plug	2 x 80	200 l/min	1 1/2" M	985	4.101,12

Life Span Lamps: 9000 hours

DOMESTIC & COMMERCIAL UV

PALLAS LCD² RANGE



LCD² PLUS

PALLAS LCD² PLUS - EU PLUG

Reference	Item Name	Watt	Max Flow Rate	Conn.	Length mm	€
2502030002	UV 405 LCD Plus 304	1 x 30	20 l/min	3/4" M	524	1.439,27
2502030004	UV 405 LCD Plus 316	1 x 30	20 l/min	3/4" M	524	1.733,75
2502030006	UV 405C LCD Plus 304	1 x 33	30 l/min	3/4" M	674	1.555,05
2502030008	UV 405C LCD Plus 316	1 x 33	30 l/min	3/4" M	674	1.834,95
2502030010	UV 412 LCD Plus 304	1 x 40	45 l/min	1" M	925	1.769,56
2502030012	UV 412 LCD Plus 316	1 x 40	45 l/min	1" M	925	1.960,30
2502030014	UV 440 LCD Plus 304 EU Plug	1 x 40	60 l/min	1 1/2" M	880	2.706,06
2502030016	UV 440 LCD Plus 316 EU Plug	1 x 40	60 l/min	1 1/2" M	880	2.955,23
2502030020	UV 480 LCD Plus 304 EU Plug	1 x 80	85 l/min	1 1/2" M	880	2.921,82
2502030022	UV 480 LCD Plus 316 EU Plug	1 x 80	85 l/min	1 1/2" M	880	3.447,80
2502030024	UV 550 LCD Plus 304 EU Plug	2 x 40	100 l/min	1 1/2" M	985	3.779,19
2502030026	UV 550 LCD Plus 316 EU Plug	2 x 40	100 l/min	1 1/2" M	985	4.186,57
2502030028	UV 80/2 LCD Plus 304 EU Plug	2 x 80	200 l/min	1 1/2" M	985	4.316,51
2502030030	UV 80/2 LCD Plus 316	2 x 80	200 l/min	1 1/2" M	985	5.548,58

INDUSTRIAL UV

PALLAS RACK LCD² RANGE

DESCRIPTION

The UV RACK LCD series features a low pressure 80W lamp as well as a control panel with microprocessor. These are ideal for private water, industrial, beverage and food industries.

All products are made in Italy to ISO 9001 quality standards. Sita units are WRAS approved. The standard LCD range consist of a 304 stainless steel chamber (316 optional), a control panel with an LCD display, an hours run meter and alarm contacts. The PLUS version has an UV intensity meter (or temperature meter) and a high temperature shut down. Manual and automatic wipe options are available.



RACK LCD²

Electrical Panel	Rack LCD ²	Rack LCD ² Plus
Protection degree	IP 55	IP 55
LCD2 Display (microprocessor control)	✓	✓
Total hour-meter	✓	✓
Resettable count down hour-meter	✓	✓
Alarm red led	✓	✓
Alarm relay Free Contact NO / NC	✓	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
On/Off Timer	✓	✓
Remote On/Off contact	✓	✓
Display of Irradiation /temperature control	✗	✓
Shutdown for high temperature UV chamber	✗	✓
4/20 mA output	✗	✓ (optional)

SPARE PARTS

Reference	Item Name	€
2602015780	Pallas UV Lamp 80 W for UV 80 series	205,03
2602021126	Quartz Tube for UV412 - 40/80	91,93
2602036092	O-Ring for Quartz Sleeve	4,88

INDUSTRIAL UV

PALLAS RACK LCD² RANGE



PALLAS RACK LCD² RANGE

RACK LCD² (PLUS)

Reference	Item Name	Watt	Max Flow Rate	Conn.	€
2502000070	UV-Type 80/3 Rack LCD	3 x 80	20 m ³ /h	2"	6.231,13
2502000014	UV-Type 80/4 Rack LCD	4 x 80	30 m ³ /h	DN80	7.557,04
2502000016	UV-Type 80/5 Rack LCD	5 x 80	40 m ³ /h	DN80	9.310,08

PALLAS RACK LCD² PLUS RANGE

Reference	Item Name	Watt	Max Flow Rate	Conn.	€
2502003292	UV-Type 80/3 Rack LCD Plus	3 x 80	20 m ³ /h	2"	7.110,70
2502000003	UV-Type 80/3 Rack LCD Plus 4/20mA	3 x 80	20 m ³ /h	2"	7.895,44
2502000127	UV-Type 80/4 Rack LCD Plus	4 x 80	30 m ³ /h	DN80	8.927,68
2502000017	UV-Type 80/5 Rack LCD Plus	5 x 80	40 m ³ /h	DN80	9.853,59

INDUSTRIAL UV

SITA AM RANGE

DESCRIPTION

The AM series features extremely powerful 200W amalgam lamp. This series is unique by the fact that you can handle a high flow with a small number of lamps. Thanks to its unique L-shape one can install the AM both horizontally and vertically. These are ideal for private water, industrial, beverage and food industries.



ON REQUEST

- 4-20 mA
- Audio alarm



Rack LCD²
AM 24-50-60



TC panel
AM 96-125-160

Electrical Panel	Rack LCD ²	Rack LCD ² Plus
Protection degree	IP 54	IP 54
LCD2 Display (microprocessor control)	✓	✗
SITA Touch-Screen (65000 colours)	✗	✓
Multi language display	✗	✓
Hour meters (system and lamp life)	✓	✓
Red led of anomaly	✓	✗
Alarm relay Free Contact NO / NC	✓	✓
Digital outputs	✗	✓
Alarm relay 230 V NO / NC outlet – 2 A max	✓	✓
Display of Irradiation /temperature control	Only Plus version	✓
Remote on/off	✓	✓
4/20 mA output	Optional only for Plus version	✓
Timer ON/OFF	✓	✓
Datalog – Events	✗	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✗	✓
Remote access with App or WebGate	✗	✓
UV dose calculation	✗	Optional only for Plus version
Lamp power regulation	✓	Optional from AM 96

SPARE PARTS

Reference	Item Name	€
2602010005	Lamp 200W for AM series	742,67
2602030064	O-ring for quartz SL AM series	12,72

INDUSTRIAL UV

SITA AM RANGE

SITA AM RANGE



RACK LCD²
AM 24-50-60



TC panel
AM 96-125-160

Reference	Item Name	Watt	Max Flow Rate	Conn.	€
2502000079	UV AM 24	1 x 200	24 m³/h	2" M	6.799,49
2502000086	UV AM 24 Plus	1 x 200	24 m³/h	2" M	8.102,28
2502000087	UV AM 24 SS 316L	1 x 200	24 m³/h	2" M	7.682,74
2502000088	UV AM 24 Plus SS 316L	1 x 200	24 m³/h	2" M	8.477,57
2502000080	UV AM 50	2 x 200	50 m³/h	DN80	9.824,53
2502000089	UV AM 50 Plus	2 x 200	50 m³/h	DN80	10.559,88
2502000090	UV AM 50 SS 316L	2 x 200	50 m³/h	DN80	11.215,82
2502000091	UV AM 50 Plus SS 316L	2 x 200	50 m³/h	DN80	12.562,78
2502000081	UV AM 60	2 x 200	60 m³/h	DN80	11.920,11
2502000082	UV AM 60 Plus	2 x 200	60 m³/h	DN80	13.710,13
2502000092	UV AM 60 Plus SS 316L	2 x 200	60 m³/h	DN80	14.991,44
2502000099	UV AM 96 Plus TC SS 316L 3-200W	3 x 200	96 m³/h	DN100	21.769,70
2502000106	UV AM 125 Plus TC SS 316L 4-200W	4 x 200	125 m³/h	DN150	23.049,47
2502000107	UV AM 160 Plus TC SS 316L 4-200W	4 x 200	160 m³/h	DN150	26.427,09

INDUSTRIAL UV

SITA 400 TC SERIES

DESCRIPTION

Industrial range in 316 stainless steel. Uses 400W low pressure amalgam lamps which have higher life span and efficiency than standard low pressure lamps. Features new touch screen control.



TC panel

Electrical Panel	TC
Protection degree	IP 54
SITA Touch-Screen (65000 colours)	✓
Multi language display	✓
Hour meters (system and lamp life)	✓
Alarm relay Free Contact NO / NC	✓
Digital outputs	✓
Display of Irradiation /temperature control	✓
Remote on/off	✓
4/20 mA output	✓
Timer ON/OFF	✓
Datalog – Events	✓
CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	✓
Remote access with App or WebGate	✓
UV dose calculation	On request
Lamp power regulation	✓
Flow meter input	✓
UVT meter input	✓
Flow and UVT duplication	Optional

SPARE PARTS

Reference	Item Name	€
2602010001	Lamp for 400 Series	782,44
2602020001	Quartz for 400 Series	352,48

INDUSTRIAL UV

SITA 400 TC SERIES

SITA 400 TC SERIES

Reference	Item Name	Watt	Max Flow Rate	Conn.	€
2502000115	UV400/1 TC 316L	1 x 400	50 m³/h	DN80	14.594,39
2502000116	UV400/2 TC 316L	2 x 400	100 m³/h	DN100	20.600,63
2502000117	UV400/3 TC 316L	3 x 400	150 m³/h	DN150	25.169,20
2502000118	UV400/4 TC 316L	4 x 400	250 m³/h	DN200	31.787,39
2502000119	UV400/5 TC 316L	5 x 400	300 m³/h	DN200	37.869,08
2502000120	UV400/6 TC 316L	6 x 400	420 m³/h	DN250	43.166,98
2502000121	UV400/8 TC 316L	8 x 400	600 m³/h	DN250	57.296,12
2502000122	UV400/10 TC 316L	10 x 400	830 m³/h	DN300	69.463,66
2502000152	UV400/12 TC 316L	12 x 400	980 m³/h	DN350	69.907,96

Life Span Lamps: 16000 hours
Automatic wiper (RA) available on demand

INDUSTRIAL UV

SITA SMP MEDIUM PRESSURE RANGE

DESCRIPTION

S.I.T.A. Medium Pressure (SMP) UV system emits an UV-C irradiation between 200 and 600 nm. These waves length cause an alteration of some chemical links present among nucleotides so that the information contained and conveyed by DNA of every organism present in the water change. These alterations lead to the cellular death and so to the bacteriological elimination.



Serie PR

SITA SMP

Reference	Item Name	Watt	Max Flow Rate	Conn.	€
2502000137	SMP 6 TC XL PR	1 x 600	33 m³/h	2 1/2"	13.890,24
2502000161	SMP 6 TC XL RA PR	1 x 600	33 m³/h	2 1/2"	19.615,64
2502000153	SMP 10 TC XL PR	1 x 1000	55 m³/h	DN100	20.956,87
2502000168	SMP 10 TC XL RA PR	1 x 1000	55 m³/h	DN100	24.309,97
2502000138	SMP 20 TC XL PR	1 x 2000	120 m³/h	DN150	23.052,55
2502000131	SMP 20 TC XL RA PR	1 x 2000	120 m³/h	DN150	25.986,53
2502000154	SMP 25 TC XL PR	1 x 2500	170 m³/h	DN200	27.663,08
2502000162	SMP 25 TC XL RA PR	1 x 2500	170 m³/h	DN200	31.854,45
2502000155	SMP 35 TC XL PR	1 x 3500	333 m³/h	DN200	29.339,63
2502000163	SMP 35 TC XL RA PR	1 x 3500	333 m³/h	DN200	33.761,53
2502000156	SMP 50 TC PR	2 x 2500	350 m³/h	DN200	38.665,43
2502000164	SMP 50 TC RA PR	2 x 2500	350 m³/h	DN200	44.323,80
2502000157	SMP 70 TC PR	2 x 3500	500 m³/h	DN300	41.494,61
2502000165	SMP 70 TC RA PR	2 x 3500	500 m³/h	DN300	47.152,99
2502000158	SMP 105 TC PR	3 x 3500	750 m³/h	DN300	54.697,46
2502000166	SMP 105 TC RA PR	3 x 3500	750 m³/h	DN300	61.298,85
2502000159	SMP 140 TC PR	4 x 3500	1200 m³/h	DN400	66.014,17
2502000167	SMP 140 TC RA PR	4 x 3500	1200 m³/h	DN400	73.558,65

Life Span Lamps: 6000 hours

PR version with lamp power regulation

RA version with automatic quartz cleaning system

INDUSTRIAL UV

SEAWATER AND OTHER CORROSIVE LIQUIDS

DESCRIPTION

UV series realized in high density polyethylene UV chambers. The UV chamber made with this material guarantees a long life with aggressive water, sea water, and thermal water. Excellent disinfection guaranteed by high UV-C outputs lamps. Vertical and horizontal mounting and easy maintenance. Designed for corrosive environments and seawater applications.



LCD² PLUS



RACK LCD² (PLUS)
starting from PE 22

Flow rate	Max 110 m ³ /hr *
UV reactor material	High density Polyethylene (HDPE)
UV-C dose	>40mj/cm ²
Lamps	Low pressure high efficiency and amalgam lamps (14.000 hrs)

Max pressure	6 bar
Transmittance	98% - 1 cm / T: 20°C
Certification	CE, NVI
Max temperature	35°C

PE SERIES

Reference	Item Name	Max Flow Rate	Connections	€
2502000030	UV-system PE 3	3.5 m ³ /h	1.5"	2.020,12
2502000032	UV-system PE 5	5 m ³ /h	1.5"	2.142,94
2502000034	UV-system PE 8	8 m ³ /h	2.5"	2.984,84
2502000036	UV-system PE 15	15 m ³ /h	2.5"	3.062,88
2502000038	UV-system PE 22	22 m ³ /h	DN65	6.002,04
2502000040	UV-system PE 35	35 m ³ /h	DN80	8.604,89
2502000042	UV-system PE 45	45 m ³ /h	DN100	9.501,86
2502000044	UV-system PE 60	60 m ³ /h	DN100	on request
2502000160	UV-system PE 90	90 m ³ /h	DN150	16.954,09
2502000046	UV-system PE 110	110 m ³ /h	DN150	22.633,42

Life Span Lamps: 14000 hours

Units available up to 1000 m³/h on demand.

Plus Controller on demand.

INDUSTRIAL UV

SITA IT ONORM CERTIFIED SYSTEMS

DESCRIPTION

Sita IT validated series is biosimetrically tested according to Austrian O-Norm 5873-1. The systems fulfil the EPA requirements contained in the Ultra violet Guidance Manual. Special mixing plates inside the stainless steel 316L UV reactor guarantee a correct distribution of the water.

UV IT

Reference	Item Name	Watt	Max Flow Rate	Conn.	€
2502000100	Validated 4IT UV System	1 x 80	3.72 m³/h	1"	5.606,60
2502000073	Validated 10IT UV System	1 x 200	13.98 m³/h	2"	8.784,41
2502000101	Validated 40IT UV System	6 x 80	42.4 m³/h	DN100	18.022,68
2502000083	Validated 80IT UV System	2 x 400	72.24 m³/h	DN100	26.584,27
2502000102	Validated 120IT UV System	3 x 400	127.15 m³/h	DN150	38.636,14
2502000103	Validated 200IT UV System	4 x 400	200.85 m³/h	DN200	47.467,22
2502000104	Validated 400IT UV System	6 x 400	322.70 m³/h	DN250	72.856,65

Life Span Lamps:
4 IT: 9000 hours
10 IT: 12000 hours
40 IT: 9000 hours
80 IT to 400IT: 16000 hours

SITA SPARE PARTS (MISC)

SITA SPARE PARTS

Reference	Item Name	€
2602034922	Nylon Sleeve Bolt	18,01
2602030032	Stainless Sleeve Bolt for Hot Water systems	64,76
2602036092	O-Ring for Quartz Sleeve	4,88
2602036084	Lamp-Stand Spring	4,02
2602034923	PVC Contact Cover	6,18
2602030152	Connector lamp + 3m cable + connector printboard	24,25
2602030036	Contact Cover Kit 400 Series - 3m	177,66
2602030034	Contact Cover Kit AM Series	129,54
2602030035	Contact Cover Kit for SMP DS	212,80
2602030052	Drain Valve 1/2" F/F (LCD series)	8,35
3075000017	Vent Valve 1/8" (LCD series)	on request



OTHER STERILIZATION SYSTEMS

CINTROPUR UV

CINTROPUR TRIO-UV



Connections	3/4" or 1"
Flow Rate	2 m³/h (30°C)
Max Operating Pressure	16 bar
Max Temperature	50 °c
Water Transmission	Min. 90%
Lamp power	25 W

Reference	Item Name	Connections	€
2514008231	Cintropur - TRIO-UV 25W	3/4" or 1"	1.024,62

CINTROPUR TIO 1" - UV



Connections	1"
Flow Rate	2 m³/h (30°C)
Max Operating Pressure	16 bar
Max Temperature	50 °c
Water Transmission	Min. 90%
Lamp power	25 W

Reference	Item Name	Connections	€
2514000001	Cintropur TIO 1" - UV	1"	2.077,67

The UV quartz needs to be replaced every 5 years.
The UV lamp needs to be replaced once a year (9000 hours)



VALVES

Clack valves	261
Fleck valves	311
Autotrol valves	342
Siata valves	365
AQ matic valves	377
Accessories for valves	383

CLACK VALVES

Within the standard range of Clack Valves we make a distinction between valves for the residential / domestic market (connection 1" - WS1-series), the commercial / domestic market (connection 1.25" - WS1.25 and 1.5" - WS1.5) and the industrial market (connections as from 2" such as the WS2 and WS3 series).

BENEFITS

- High flow rates
- Wide range of applications
- A great deal of flexibility in system design
- Greatly reduces inventory requirements
- Patented stack technology
- Large stock of spare parts. Ask for our spare parts catalogue.
- Exclusive PWG valves:
Pallas CK, Pallas CN & PI valve

TYPES

- Domestic & commercial/industrial valves
- Different kinds of controllers
- 1", 1.25", 1.5", 2" and 3" valves
- Twin valves
- Duplex valves
- System controller
- Progressive flow
- ...



CLACK TC



ADVANTAGES

- + 4 digit LCD Display with Status Indicators
- + Solid state microprocessor with easy access front panel settings
- + Backwash and brining ability to 21" diameter tanks
- + Three modes to initiate regeneration: time clock delayed, Pressure Differential delayed, Pressure Differential Immediate
- + Front panel display for time of day, days until next regeneration
- + Days between regeneration feature: 1–99 days standard; 7-day optional
- + Double backwash feature offers optimum regeneration, cleaning ability and efficiency
- + 10 selectable pre-programmed regeneration cycles
- + Coin Cell Lithium battery back-up with a 8 hour carry over
- + Level VI 15-volt output DC power supply provides safe and easy installation
- + Post treated water regenerant refill
- + Certified to NSF/ANSI 44, 61 and 372

For: 1" - 1,25" valves
Valve shown with optional bypass

CLACK EI



ADVANTAGES

- + Solid state microprocessor with easy access front panel settings
- + Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- + Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- + Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- + Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service
- + Coin Cell Lithium battery back-up with an 8 hour carry over
- + Backwash and brining ability to 21" diameter tanks
- + Downflow or upflow brining regeneration
- + Level VI 15-volt output DC power supply provides safe and easy installation
- + Control valve design provides optimum service and backwash rates
- + Pre or post treated water regenerant refill
- + Reliable and proven DC drive
- + 1 free programmable relay contact
- + Certified to NSF/ANSI 44, 61, and 372

For: 1" - 1,25" - 1,5" - 2" valves
Valve shown with optional bypass

CLACK CI



ADVANTAGES

- + Solid state microprocessor with easy access front panel settings
- + Coin Cell Lithium battery back-up with a 24 hour carry over
- + Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- + Level VI 15-volt output DC power supply provides safe and easy installation
- + Program in ppm, French degrees, German degrees, or cubic meters
- + Control valve design provides optimum service and backwash rates
- + Fully programmable regeneration cycle sequence (maximum 9)
- + Pre or Post treated water regenerant refill
- + Programmable regeneration cycle times
- + Low salt alarm
- + Days override feature; 1 – 28 days available
- + 24-hour clock
- + Backwash and brining ability to 21" diameter tanks
- + Reliable and proven DC drive
- + Downflow/upflow regeneration
- + 2 free programmable relay contacts
- + Stores system configuration and operation data in nonvolatile memory
- + Certified to NSF/ANSI 44, 61 and 372

For: 1" - 1,25" - 1,5" - 2" valves

Also available for Twin valves and for use in combination with the System Controller

Valve shown with optional bypass

PALLAS CK



- **Proportional brining for saving on salt usage**
- **7 available European languages**
- **Salt alarm based on automatic calculation**
- **Scheduled service alarm with phone number & company name**



ADVANTAGES

- + Dot Matrix back-light multi colour screen
- + Choice of different languages: English, French, Spanish, Italian, German, Polish, Turkish
- + Energy saving feature
- + Small customizable front cover label
- + Different screens with days and capacity to next regeneration, time and flow
- + Service indication with name and phone number on the screen
- + Display changes colour to give a quick indication of the installation status
- + Proportional brining for a significant reduction in the salt consumption
- + Calculated low salt alarm
- + Low voltage indication
- + 2 free programmable outlet contacts
- + Double output for NHWB and/or MAV
- + Ready to work with System Controller - can operate up to 6 units
- + Down flow or up flow regeneration
- + Double backwash feature for optimum efficiency
- + Wet or dry salt container
- + Treated water regenerant refill for a clean salt container
- + Delayed regeneration option with security override
- + Intelligent reserve calculation with security override
- + Diagnostic information memory with 63 days usage history
- + Historical information memory
- + Electronically controlled regeneration with sequence failure alarm
- + Alarm signal to prevent mechanical damage during operation
- + Can be programmed to operate in a Progressive Flow Setup (additional items required)

For: 1" - 1,25" - 1,5" - 2" valves

Also available for Twin valves and for use in combination with the System Controller

KTW certified valve available on request



- **Proportional brining for saving on salt usage**
- **7 available European languages**
- **Salt alarm based on automatic calculation**
- **Scheduled service alarm with phone number & company name**



ADVANTAGES

- + Dot Matrix back-light multi colour screen
- + Choice of different languages: English, French, Spanish, Italian, German, Polish, Turkish
- + Energy saving feature
- + Customizable front cover label
- + Different screens with days and capacity to next regeneration, time and flow
- + Service indication with name and phone number on the screen
- + Display changes colour to give a quick indication of the installation status
- + Proportional brining for a significant reduction in the salt consumption
- + Low salt alarm option
- + Low voltage indication
- + 2 free programmable outlet contacts
- + Double output for NHWB and/or MAV
- + Ready to work with System Controller - can operate up to 6 units
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- + Diagnostic information memory with 63 days usage history
- + Historical information memory
- + Electronically controlled regeneration with sequence failure alarm
- + Alarm signal to prevent mechanical damage during operation
- + Can be programmed to operate in a Progressive Flow Setup (additional items required)

For: 1" - 1,25" - 1,5" - 2" valves

Also available for Twin valves and for use in combination with the System Controller

CLACK PI

The PI Disc Valve is a Clack valve that is operated by the use of two ceramic discs. Sturdy, reliable, and small in size.



ADVANTAGES

- + Ceramic on ceramic disc valve technology
- + Three modes of operation: meter delay, meter immediate or time clock delay
- + Fixed 6 cycle control valve
- + Fully adjustable cycles times
- + Double backwash feature
- + Post- pre or proportional regenerant refill
- + Days override feature 1-28 days
- + Field convertible downflow / upflow
- + Treated water regenerant refill
- + Optional integrated mixing valve available
- + Available with battery option
- + Ideal for small spaces

For: 1" - 1,25" - 1,5" - 2" valves

CLACK VALVES

WS1

DESCRIPTION

Clack's WS1 Automatic valve is a control head designed for residential and commercial applications requiring flow rates up to 6.1 m³/hr. It has a backwash ability capable of servicing up to 21" diameter tanks.

The valve acts as a primary center that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow/upflow regeneration or simply backwash and rinse.

The valve comes in different program versions and is controlled by a solid state microprocessor with front panel setting and screen display.

The WS1 has 11 injector sizes to choose from for different draw rates.



* shown with optional bypass

FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable
- Available with or without mixing valve
- Available in downflow and upflow

AVAILABLE TIMERS

- TC (Time Control Electric)
- EI (Easy International Controller)
- CI (Control International)
- Pallas CK
- Pallas CN

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	6.1 m ³ /hr
Backwash @ 1.7 bar drop	6.1 m ³ /hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread	2.5 inch
In/out	3/4 inch M BSPT to 1.25 inch M BSPT
Brine line	3/8 inch
Drain line	3/4 inch or 1 inch NPT
Riser tube diameter	1.05 inch

CLACK VALVES

WS1

WS1 TC



Reference	Search Name	Item Name	€
5302035202	V1TCDTE-03	WS1TC - Time - Down Flow	521,80
5302035141	V1TCDTE-M03	WS1TC - Time - Down Flow - Mix	573,15
5302035207	V1TCBTZ-03	WS1TC Filter - Time	497,56

WS1 EI



Reference	Search Name	Item Name	€
5302038197	V1EIDTE-03	WS1EI - Time - Down Flow	631,92
5302038199	V1EIDTE-M03	WS1EI - Time - Down Flow - Mix	664,10
5302038201	V1EIDME-03	WS1EI - Vol - Down Flow	672,13
5302038200	V1EIDME-M03	WS1EI - Vol - Down Flow - Mix	704,31
5302038198	V1EIBTZ-03	WS1EI Filter - Time	612,81

WS1 CI



Reference	Search Name	Item Name	€
5302031468	V1CIDTE-03	WS1CI - Time - Down Flow	636,81
5302035135	V1CIDTE-M03	WS1CI - Time - Down Flow - Mix	689,82
5302035203	V1CIDME-03	WS1CI - Vol - Down Flow	697,85
5302030078	V1CIDMC-03	WS1CI - Vol - Down Flow (inj. C)	640,90
5302031404	V1CIDMC-M03	WS1CI - Vol - Down Flow - Mix (inj. C)	692,75
5302035136	V1CIDME-M03	WS1CI - Vol - Down Flow - Mix (inj. E)	692,75
5302039204	V1CIUMC-03	WS1CI - Vol - Upflow	576,08
5302035205	V1CIUMC-M03	WS1CI - Vol - Upflow - Mix	615,99
5302035201	V1CIBTZ-03	WS1CI Filter - Time	582,71
5302038669	V1CIBMZ-03	WS1CI Filter - Vol	537,79

CLACK VALVES

WS1

WS1 CK



Reference	Search Name	Item Name	€
5302030004	V1CKDMC-46GH	WS1CK - Vol - Down Flow (inj. C)	650,19
5302030003	V1CKDMC-M46GH	WS1CK - Vol - Down Flow - Mix (inj. C)	692,91
5302033040	V1CKDMC-M46	WS1CK - Vol - Down Flow - Mix - Black cover (inj. C)	647,86
5302030001	V1CKUMB-M46GH	WS1CK - Vol - Up Flow - Mix (inj. B)	669,11
5302030112	V1CKUMA-M46	WS1CK - Vol - Up Flow - Mix - Black cover (inj. A)	669,11
5302030008	V1CKBTZ-46GH	WS1CK Filter - Time	593,53

WS1 CN



Reference	Search Name	Item Name	€
5302030137	V1CNDTE-46	WS1CN - Time - Down Flow	595,18
5302030135	V1CNDTE-M46	WS1CN - Time - Down Flow - Mix	637,04
5302030133	V1CNDME-46	WS1CN - Vol - Down Flow	638,65
5302030131	V1CNDME-M46	WS1CN - Vol - Down Flow - Mix	680,84
5302030143	V1CNUMC-46	WS1CN - Vol - Up Flow	745,53
5302030141	V1CNUMC-M46	WS1CN - Vol - Up Flow - Mix	703,28
5302030139	V1CNBTZ-46	WS1CN Filter - Time	582,60

CLACK VALVES

CLACK PI

DESCRIPTION

The Clack PI Disc Valve is a Clack valve with a different design. Instead of a spacer stack and piston, it operates by turning two ceramic discs.

The valve is designed to be compact and efficient, for use in places with limited space.



This valve can only be purchased as part of a complete unit.

FEATURES

- Ceramic on ceramic disc valve technology
- Three modes of operation: meter delay, meter immediate or time clock delay
- Fixed 6 cycle control valve
- Fully adjustable cycles times
- Double backwash feature

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	2.5 m ³ /hr
Backwash @ 1.7 bar drop	3.2 m ³ /hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread	2.5"
In/out	3/4" M BSPT to 1.25" M BSPT
Brine line	3/8"
Drain line	3/4" or 1" NPT
Riser tube diameter	1.05"

CLACK VALVES

CLACK PI

CLACK PI

Reference	Config.	Search Name	Item Name	€
Clack WS1 PI				
5302030113		VDC1PIDME-03	Clack WS1PI - Vol - Down Flow	490,80
5302030128		VDC1PIDMB-M03BK	Clack WS1PI - Vol - Down Flow - Mix (black)	on request
5302030161		VDC1PIDMA-M03	Clack WS1PI - Vol - Down Flow - Mix (inj. A)	on request
5302030127		VDC1PIDME-M03	Clack WS1PI - Vol - Down Flow - Mix (inj. E)	527,51

This valve can only be purchased as part of a complete unit.

CLACK VALVES

WS1

ACCESSORIES FOR CLACK WS1 VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
0208010010	D1203	Top distributor 1"	3,03
5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	3,27
5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	3,27
5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	3,27
5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	3,27
5303026540	V3007-14	WS1 Fitting 3/4" Plastic Male BSPT assy	23,32
5303024082	V3007-06	WS1 Fitting 1" Plastic Male BSPT assy	23,32
5303020009	V3007-16	WS1 Fitting 1" Plastic Male BSPT Elbow assy	13,67
5303020106	V3957	Check Valve Insert OV32	11,35
5303024090	PKP10TS8-BULK	Insert Polytube 5/8"	2,44
5303024088	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	1,57
4007010517	LABEL-CK	Standard Pallas CK Label	2,19
5303024075	V3006	WS1 Bypass	76,17
5303020219	V3962	WS1 Drain Elbow & Retainer Assy without Silencer *	4,00
5303020037	V4057	WS1 Drain Elbow 3/4" and DLFC Retainer Assembly **	7,53
5303024083	V3008-02	WS1 Drain Fitting 1" Straight with Check Valve	28,23
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303020329	V4391-02	WS Drain Elbow 1"	5,34
5303020330	V4429	WS Drain Elbow 1" & Retainer Asy	7,10
5303028607	V3008-04	WS1 Drain Fitting 1" Straight without Silencer	28,23

* standardly included with the TC, EI and CI valves

** standardly included with the CK and CN valves

Distributor: see chapter 'Vessels'

Aircheck: see chapter 'Brinetanks'

CLACK VALVES

WS1.25

DESCRIPTION

Clacks WS1.25 Automatic valve is a control head designed for residential and commercial applications. Its design and functioning is much the same as the WS1, but the larger innerworkings of the valve allow for flow rates up to 7.7 m³/hr.

The valve acts as a primary center that directs and regulates all cycles of water softening or filtration. It can be set to perform downflow/upflow regeneration or simply backwash and rinse.

The valve comes in different program versions and is controlled by a solid state microprocessor with front panel setting and screen display. The WS1.25 has 11 injector sizes to choose from for different draw rates.



* shown with optional bypass

FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable
- Available with or without mixing valve
- Available in downflow and upflow

AVAILABLE TIMERS

- TC (Time Control Electric)
- EI (Easy International Controller)
- CI (Control International)
- Pallas CK
- Pallas CN

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	7.7 m ³ /hr
Backwash @ 1.7 bar drop	7.3 m ³ /hr
Operating pressure	1.5 to 8.5 bar
Water temperature	4°C to 43°C

Tank thread	2.5 inch
In/out	3/4 inch M BSPT to 1.25 inch M BSPT
Brine line	3/8 inch
Drain line	3/4 inch or 1 inch NPT
Riser tube diameter	32 mm

CLACK VALVES

WS1.25

WS1.25 TC



Reference	Search Name	Item Name	€
5302038196	V125TCDTE-08	WS1.25TC - Time - Down Flow	584,66
5302038195	V125TCDTE-M08	WS1.25TC - Time - Down Flow - Mix	541,51
5302037237	V125TCBTZ-08	WS1.25TC Filter - Time	549,71

WS1.25 EI



Reference	Search Name	Item Name	€
5302038192	V125EIDTF-08	WS1.25EI - Time - Down Flow	588,63
5302038190	V125EIDME-08	WS1.25EI - Vol - Down Flow	642,22
5302038189	V125EIDMF-M08	WS1.25EI - Vol - Down Flow - Mix	682,12
5302030063	V125EIUMD-08	WS1.25EI - Vol - Up Flow - Mix	663,42
5302038193	V125EIBTZ-08	WS1.25EI Filter - Time	660,26

WS1.25 CI



Reference	Search Name	Item Name	€
5302037235	V125CIDTE-08	WS1.25CI - Time - Down Flow	603,65
5302038721	V125CIDTE-M08	WS1.25CI - Time - Down Flow - Mix	734,55
5302038187	V125CIDME-08	WS1.25CI - Vol - Down Flow	765,78
5302038188	V125CIDME-M08	WS1.25CI - Vol - Down Flow - Mix	845,62
5302030062	V125CIUMD-08	WS1.25CI - Vol - Up Flow	678,87
5302030070	V125CIUMD-M08	WS1.25CI - Vol - Up Flow - Mix	718,89
5302037236	V125CIBTZ-08	WS1.25CI Filter - Time	604,70

CLACK VALVES

WS1.25

WS1.25 CK



Reference	Search Name	Item Name	€
5302030012	V125CKDTE-08GH	WS1.25CK - Time - Down Flow	724,42
5302030013	V125CKDTE-M08GH	WS1.25CK - Time - Down Flow - Mix	708,78
5302030055	V125CKDMF-46GH	WS1.25CK - Vol - Down Flow	706,98
5302030005	V125CKDMF-M46GH	WS1.25CK - Vol - Down Flow - Mix	817,23
5302030104	V125CKUMD-M46GH	WS1.25CK - Vol - Up Flow - Mix	771,93
5302030105	V125CKUMD-46GH	WS1.25CK - Vol - Up Flow	709,25
5302030011	V125CKBTZ-46GH	WS1.25CK Filter - Time	768,80

WS1.25 CN



Reference	Search Name	Item Name	€
5302030151	V125CNDTE-46	WS1.25CN - Time - Down Flow	696,68
5302030149	V125CNDTE-M46	WS1.25CN - Time - Down Flow - Mix	738,48
5302030157	V125CNUMD-46	WS1.25CN - Vol - Up Flow	854,21
5302030155	V125CNUMD-M46	WS1.25CN - Vol - Up Flow - Mix	812,02
5302030147	V125CNDME-46	WS1.25CN - Vol - Down Flow	743,36
5302030145	V125CNDME-M46	WS1.25CN - Vol - Down Flow - Mix	789,57
5302030153	V125CNBTZ-46	WS1.25CN Filter - Time	691,33

CLACK VALVES

WS1.25

ACCESSORIES FOR CLACK WS1.25 VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
0208012226	D1203-03	Top distributor 32mm	7,73
5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	3,27
5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	3,27
5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	3,27
5303024081	V3007-08	WS1 Fitting 1.25" Plastic Male BSPT assy	23,71
5303024090	PKP10TS8-BULK	Insert Polytube 5/8"	2,44
5303024088	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	1,57
5303024075	V3006	WS1 Bypass	76,17
5303020219	V3962	WS1 Drain Elbow & Retainer Assy without Silencer *	4,00
5303020037	V4057	WS1 Drain Elbow 3/4" and DLFC Retainer Assembly**	7,53
5303024083	V3008-02	WS1 Drain Fitting 1" Straight with Check Valve	28,23
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303020329	V4391-02	WS Drain Elbow 1"	5,34
5303020330	V4429	WS Drain Elbow 1" & Retainer Asy	7,10
5303028607	V3008-04	WS1 Drain Fitting 1" Straight without Silencer	28,23

* standardly included with the TC, EI and CI valves

** standardly included with the CK and CN valves

Distributor: see chapter 'Vessels'

Aircheck: see chapter 'Brinetanks'

CLACK VALVES

WS1.5 BRASS

DESCRIPTION

The commercial/industrial line of control valves was also developed with direct input from customers and incorporates many of the proven features from the residential line of valves. Our WS1.5 valve provides flow rates up to 15.9 m³/hr.

The WS1.5 Clack valves incorporate the patented "stack technology" and feature the same electronics and programming software as the residential line of valves.



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable
- Available in downflow and upflow

AVAILABLE TIMERS

- EI (Easy International Controller)
- CI (Control International)
- Pallas CK
- Pallas CN

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	15.9 m ³ /hr
Backwash @ 1.7 bar drop	11.8 m ³ /hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread:	4 inch 8 UN
In/out	1.5 inch F BSP
Brine line	3/4 inch F NPT
Drain line	1.25" F NPT
Riser tube diameter	50mm

CLACK VALVES

WS1.5 BRASS

WS1.5 CI



Reference	Search Name	Item Name	€
5302031333	V15CIDTG-05	WS1.5CI - Time - Down Flow	2.066,77
5302033796	V15CIUTD-05	WS1.5CI - Time - Up Flow	1.841,58
5302038186	V15CIDMG-05	WS1.5CI - Vol - Down Flow	2.986,16
5302030064	V15CIUMD-05	WS1.5CI - Vol - Up Flow	2.677,95
5302031106	V15CIBTZ-05	WS1.5CI Filter - Time	1.867,18

WS1.5 CK



Reference	Search Name	Item Name	€
5302030015	V15CKDTE-05GH	WS1.5CK - Time - Down Flow	1.900,89
5302030107	V15CKUTD-05GH	WS1.5CK - Time - Up Flow	1.913,37
5302030006	V15CKDME-47GH	WS1.5CK - Vol - Down Flow	2.705,90
5302030014	V15CKBTZ-47GH	WS1.5CK Filter - Time	1.932,47

WS1.5 CN



Reference	Search Name	Item Name	€
5302030176	V15CNDTE-47	WS1.5CN - Time - Down Flow	1.874,53
5302030180	V15CNUTD-47	WS1.5CN - Time - Up Flow	1.908,57
5302030174	V15CNDME-47	WS1.5CN - Vol - Down Flow	2.710,94
5302030178	V15CNUMD-47	WS1.5CN - Vol - Up Flow	2.747,59
5302030182	V15CNBTZ-47	WS1.5CN Filter - Time	1.847,51

CLACK VALVES

WS1.5 BRASS

ACCESSORIES FOR CLACK WS1.5 VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
5303029024	D1199-04TOP	Top distributor 50mm (old reference)	80,34
5303020353	D1199-11	Snap Top distributor 50mm (new reference)	78,86
0401348182	12044SP	Top Collector Pin	0,32
5303022421	V3079BSPT	WS1.25 DLFC Asy -Stainless Steel	173,44
4007010517	LABEL-CK	Standard Pallas CK Label	2,19
5303024083	V3008-02	WS1 Drain Fitting 1" Straight with Check Valve	28,23
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303020329	V4391-02	WS Drain Elbow 1"	5,34
5303020330	V4429	WS Drain Elbow 1" & Retainer Asy	7,10
5303020219	V3962	WS1 Drain Elbow & Retainer Assy without Silencer *	4,00
5303020037	V4057	WS1 Drain Elbow 3/4" and DLFC Retainer Assembly **	7,53
5303028607	V3008-04	WS1 Drain Fitting 1" Straight without Silencer	28,23

** Standardly included with the EI and CI valves

** standardly included with the CK and CN valves

Please specify the needed DLFC washers on your order - see chapter Clack Spare Parts

- The V3162-xxx flow washers are used for the 3/4" drain elbows.
- The V3190-xxx flow washers are used for the 1" straight fittings.

CLACK VALVES

WS1.5 PLASTIC

DESCRIPTION

In 2020, we welcomed a new member to our line of control valves: the WS1.5 Plastic. The Plastic Valve, designed for large residential and commercial applications, is our response to a growing demand in the market.

It is a lightweight, chemical resistant valve made of Noryl and it features the same stack technology and programming software as our other control valves.

The WS1.5 Plastic Valve is accompanied by a range of plastic accessories, allowing you to build an effective and efficient system



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable
- Available in downflow and upflow

AVAILABLE TIMERS

- EI (Easy International Controller)
- CI (Control International)

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	13.6 m³/hr
Backwash @ 1.7 bar drop	9.8 m³/hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread:	4 inch 8 UN
In/out	1.5 inch M BSP
Brine line	½ inch OD Poly Tube
Drain line	1 inch Male Elbow BSPT
Riser tube diameter	50mm

CLACK VALVES

WS1.5 PLASTIC



WS1.5 PLASTIC EI

Reference	Search Name	Item Name	€
5302030230	VP15EIDTG-05	WS1.5 Plastic EI - Time - Down Flow (inj. G)	1.152,31
5302030196	VP15EIDTH-05	WS1.5 Plastic EI - Time - Down Flow (inj. H)	1.189,00
5302030231	VP15EIBTZ-05	WS1.5 Plastic EI Filter - Time	1.134,41

WS1.5 PLASTIC CI

Reference	Search Name	Item Name	€
5302030228	VP15CIDTG-05	WS1.5 Plastic CI - Time - Down Flow (inj. G)	957,43
5302030194	VP15CIDTH-05	WS1.5 Plastic CI - Time - Down Flow (inj. H)	1.160,43
5302030229	VP15CIBTZ-05	WS1.5 Plastic CI Filter - Time	1.142,57

WS1.5 PLASTIC CK

Reference	Search Name	Item Name	€
5302030234	VP15CKDTE-05GH	WS1.5 Plastic CK - Time - Down Flow	1.393,73
5302030235	VP15CKBTZ-05GH	WS1.5 Plastic CK Filter - Time	1.191,93

WS1.5 PLASTIC CN

Reference	Search Name	Item Name	€
5302030232	VP15CNDTE-05	WS1.5 Plastic CN - Time - Down Flow	1.206,59
5302030233	VP15CNBTZ-05	WS1.5 Plastic CN Filter - Time	1.188,65

CLACK VALVES

WS1.5 PLASTIC

ACCESSORIES FOR CLACK WS1.5 PLASTIC VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303020353	D1199-11	Snap Top distributor 50mm	78,86
5303020325	V4430-02	WS1.5 Plastic Fitting Asy QC to BSPT	36,36
5303020326	V4430-03	WS1.5 Plastic Fitting Asy QC to QC	27,03
5303020382	V4430-08	WS1.5 Plastic Fitting Elbow Asy QC to BSPT	38,23
5303020383	V4430-09	WS1.5 Plastic Fitting Elbow Asy QC to QC	33,46
5303020309	V3045BSPT	WS1.5 Plastic Meter Asy BSPT	549,65
5303020310	V3045BSPT-15	WS1.5 Plastic Meter Asy BSPT - 4.5m cable	577,54
5303020318	V3045QC	WS1.5 Plastic Meter Asy QC	474,87
5303020320	V3045QC-15	WS1.5 Plastic Meter Asy QC - 4.5m cable	546,77

CLACK VALVES

WS2

DESCRIPTION

The commercial/industrial line of control valves was also developed with direct input from customers and incorporate many of the proven features from the residential line of valves.

Our WS2 valve provides flow rates up to 26.1 m³/h, WS2 valve with Quick Connect provides flow rates up to 28.4 m³/h.

All WS2 valves are available with threaded connection or QuickConnect. The Quick Connect allows for different ways of mounting the valve: side mount, top mount on threaded vessels, top mount on flanged vessels.



FEATURES

- Time clock or metered
- Easy programming
- Piston type valve
- Easily serviceable

AVAILABLE TIMERS

- EI (Easy International Controller)
- CI (Control International)
- Pallas CK
- Pallas CN

VALVE SPECIFICATIONS WS2

Service flow rate @ 1 bar drop	26.1 m ³ /hr
Backwash @ 1.7 bar drop	18.2 m ³ /hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread	4 inch 8 UN
In/out	2 inch F BSP
Brine line	1 inch Male NPT elbow
Drain line	1.5 inch Female NPT
Riser tube diameter	50 mm

VALVE SPECIFICATIONS QC

Service flow rate @ 1 bar drop	28.4 m ³ /hr
Backwash @ 1.7 bar drop	19.3 m ³ /hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread	4 inch 8 UN, 6 inch flange or Side mount
In/out	2 inch F BSP
Brine line	1 inch Male NPT Elbow
Drain line	1.5 inch Female NPT
Riser tube diameter	63 mm

CLACK VALVES

WS2



WS2 EI

Reference	Search Name	Item Name	€
5302037728	V2EIDTE-05	WS2EI - Time - Down Flow	2.360,12
5302038634	V2EIDMD-05	WS2EI - Vol - Down Flow	3.151,05
5302031946	V2EIBTZ-05	WS2EI Filter - Time	2.333,75
QC version			
5302031949	V2EIDTD-18	WS2EI QC - Time- Down Flow	2.462,80
5302031948	V2EIDMD-18	WS2EI QC - Vol - Down Flow	3.288,20
5302031950	V2EIBTZ-18	WS2EI QC Filter - Time	2.435,27

WS2 CI



Reference	Search Name	Item Name	€
5302038636	V2CIDTD-05	WS2CI - Time - Down Flow	2.385,88
5302030077	V2CIDTC-05	WS2CI - Time - Down Flow (inj. C)	2.461,77
5302030060	V2CIUTU-05	WS2CI - Time - Up Flow	2.406,67
5302038635	V2CIDMD-05	WS2CI - Vol - Down Flow	3.164,94
5302030059	V2CIUMU-05	WS2CI - Vol - Up Flow	3.197,73
5302030088	V2CIUMC-05	WS2CI - Vol - Up Flow (inj. C)	3.155,54
5302031947	V2CIBTZ-05	WS2CI Filter - Time	2.348,04
QC version			
5302031952	V2CIDTD-18	WS2CI QC - Time - Down Flow	2.586,21
5302031951	V2CIDMD-18	WS2CI QC - Vol - Down Flow	3.448,12
5302031953	V2CIBTZ-18	WS2CI QC Filter - Time	2.557,47

CLACK VALVES

WS2

WS2 CK



Reference	Search Name	Item Name	€
5302030018	V2CKDTE-05GH	WS2CK - Time - Down Flow	2.609,16
5302030007	V2CKDMC-05GH	WS2CK - Vol - Down Flow	3.374,48
5302030017	V2CKBTZ-05GH	WS2CK Filter - Time	2.604,69
QC version			
5302033240	V2CKDTD-18	WS2CK QC - Time - Down Flow	2.571,92
5302033242	V2CKDMD-18	WS2CK QC - Vol - Down Flow	3.450,52
5302030129	V2CKUMD-18	WS2CK QC - Vol - Up Flow	3.095,17
5302033241	V2CKBTZ-18	WS2CK QC Filter - Time	2.619,91

WS2 CN



Reference	Search Name	Item Name	€
5302030186	V2CNDTE-05	WS2CN - Time - Down Flow	2.523,37
5302030190	V2CNUTU-05	WS2CN - Time - Up Flow	2.223,18
5302030184	V2CNDMC-05	WS2CN - Vol - Down Flow	3.344,34
5302030188	V2CNUMU-05	WS2CN - Vol - Up Flow	2.936,88
5302030192	V2CNBTZ-05	WS2CN Filter - Time	2.495,96
QC version			
5302030273	V2CNBTZ-18	WS2CN QC Filter - Time	2.495,96

CLACK VALVES

WS2

ACCESSORIES FOR CLACK WS2 VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
5303022419	V3008-05	WS2 Drain Fitting 1" male BSP straight without silencer	56,08
5303029018	V3080BSPT	WS1.5 DLFC assy M1.5" x F1.5" BSPT	231,73
5303022420	V3158-04	WS2 Drain Elbow 3/4"	35,44
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303020353	D1199-11	Snap Top distributor 50mm	78,86

Please specify the needed DLFC washers on your order - see chapter Clack Spare Parts

The drain housings use a combination of 5/8" flow washers and 1" flow washers:

- Drain fitting 3/4": V3158-04 + flow washer V3162-xx (from 0.7-10 gpm)
- Drain fitting 1": V3008-05 + flow washer V3190-xx (from 9 - 25 gpm)
- DLFC Assy M 1.5" BSPT: V3080BSPT + 1 x V3190 + 0-6x V3162 (from 9 - 85 gpm)

ACCESSORIES FOR CLACK WS2 QC VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
5303028623	V3064	WS2 QC / 2H Top Mount Base - 4" TM	253,97
5303028617	V3055	WS2 QC / 2H Flange Base - 6" TM	424,75
5303022264	V3260BSPT-02	WS2 QC / 2H Top Mount Base - 4" SM	579,42
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303022420	V3158-04	WS2 Drain Elbow 3/4"	35,44
5303022419	V3008-05	WS2 Drain Fitting 1" male BSP straight without silencer	56,08
5303020372	D1199-13	Snap Top distributor 63mm	77,22

Please specify the needed DLFC washers on your order - see chapter Clack Spare Parts

The drain housings use a combination of 5/8" flow washers and 1" flow washers:

- Drain fitting 3/4": V3158-04 + flow washer V3162-xx (from 0.7-10 gpm)
- Drain fitting 1": V3008-05 + flow washer V3190-xx (from 9 - 25 gpm)

CLACK VALVES

WS2H AND WS3

DESCRIPTION

The WS2H and WS3 valves constitute our commercial/industrial line of valves.

They feature the same "stack technology" as the other control valves, but they have their own controller that is especially suited to industrial applications.

The WS2H valve provides flow rates up to 28.4 m³/hr, while the WS3 provides flow rates up to 56.8 m³/hr.

The WS2H and WS3 valves have received an update. The latest version has a new graphics display, features multiple languages and offers Modbus TCP/IP capabilities.



FEATURES

- Filter: High backwash flowrate
- Master/Slave operation: can be used to interlink up to 16 valves in a system
- Programmable as simplex, alternating, progressive or parallel flow
- Modbus TCP/IP

VALVE SPECIFICATIONS WS2H

Service flow rate @ 1 bar drop	28.4 m ³ /hr
Backwash @ 1.7 bar drop	28.4 m ³ /hr
In/out	2 inch F BSP

Tank thread	4 inch 8 UN, 6 inch flange or Side mount
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

VALVE SPECIFICATIONS WS3

Service flow rate @ 1 bar drop	56.8 m ³ /hr
Backwash @ 1.7 bar drop	50.0 m ³ /hr
In/out	3 inch F BSP
Riser tube diameter	90 OD mm

Tank thread	Side mount or 6" flange
Brine line	1 inch Male NPT Elbow
Drain line	3 inch Female BSPT
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

CLACK VALVES

WS2H AND WS3

WS2H



Reference	Search Name	Item Name	€
5302031052	V2HDMD-05	WS2H - Vol - Down Flow - 30"	5.588,39
5302037204	V2HBMZ-05	WS2H Filter - Vol	5.100,49

ACCESSORIES FOR CLACK WS2H (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
5303028615*	V3051BSPT	WS2 DLFC asy BSPT (No DLFC Buttons)	328,47
5303020351	V3461EU-02	WS2H/3 24VDC 0.8A EU Power Supply	90,13
5303020372	D1199-13	Snap Top distributor 63mm	77,22
5303020342	V4427	WS2H/3 PCB Relay Expansion Kit	144,20
5303020340**	V4428EU	WS2H/3 PCB with Modbus EU Upgrade Kit	1.536,53
5303028623	V3064	WS2H/2QC 4" Base Assembly	253,97
5303028617	V3055	WS2 6" Flange Base Asy	424,75
5303022264	V3260BSPT-02	WS2 Side Mount Base BSPT	579,42

* This drain housing uses a combination of 5/8" flow washers and 1" flow washers: 0-4 V3190 + 0-5 V3162 (= from 0,7 gpm to 150 gpm).
Other Clack drain fittings can be used, but reduction pieces will be required.

** used for updating the old version of the WS2H/WS3 to the current version.

CLACK VALVES

WS2H AND WS3

WS3



Reference	Search Name	Item Name	€
5302037941	V3DTH-05	WS3 - Time - Down Flow	6.482,64
5302031842	V3BTZ-05	WS3 Filter - Time	6.455,69

ACCESSORIES FOR CLACK WS3 (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
5303021837*	V3764BSPT	WS3 DLFC asy BSPT (No DLFC Buttons) MxF	545,51
5303020351	V3461EU-02	WS2H/3 24VDC 0.8A EU Power Supply	90,13
5303020340**	V4428EU	WS2H/3 PCB with Modbus EU Upgrade Kit	1.536,53
5303020342	V4427	WS2H/3 PCB Relay Expansion Kit	144,20
5303021699	V3090	WS3 6" Flange Base Asy	436,70
5303021700	V3674BSPT-02	WS3 Side Mount Base BSPT	810,58

* This drain housing uses up to 9 V3190-xxx flow washers (= from 9 gpm to 225 gpm)

** used for updating the old version of the WS2H/WS3 to the current version.

CLACK VALVES

TWIN

DESCRIPTION

Clack's WS1 Twin Valve is a single control head designed for operation with two tanks. When one tank is in service, the other is placed either in standby or is regenerating. This allows for a continuous supply of soft water.

It is designed for residential and commercial applications requiring flow rates up to 6.36 m³/hr and it has a backwash ability capable of servicing up to 21" diameter tanks.



FEATURES

- Constant softened water
- One valve for 2 tanks
- Upflow and downflow regeneration
- Compact
- Regeneration with softened water

APPLICATIONS

- Domestic softening
- Small industrial softening
- Small public places

VALVE SPECIFICATIONS

Service flow rate @ 1 bar drop	6.36 m ³ /hr
Backwash @ 1.7 bar drop	3.4 m ³ /hr
Operating pressure	1.4 to 8.6 bar
Water temperature	4°C to 43°C

Tank thread	2.5 inch
In/out	1 inch BSP
Brine line	3/8 inch
Riser tube diameter	1.05 inch

CLACK VALVES

TWIN

WS1 TWIN EI

Reference	Search Name	Item Name	€
5302030041	VTT1EIDME-03	Twin EI Valve - DF Meter	1.029,28
5302030072	VTT1EIDMG-29	Twin EI Valve - DF Meter no connectors	1.006,97

WS1 TWIN CI

Reference	Search Name	Item Name	€
5302030032	VTT1CIDME-03	Twin CI Valve - DF Meter	1.134,39
5302030034	VTT1CIUMC-03	Twin CI Valve - UF Meter	1.065,97
5302030061	VTT1CIDMI-29	Twin CI Valve - DF Meter no connectors	1.022,34

WS1 TWIN CK

Reference	Search Name	Item Name	€
5302030035	VTT1CKDME-46GH	Twin CK Valve - DF Meter	1.165,07
5302030036	VTT1CKUME-46GH	Twin CK Valve - UF Meter	on request

WS1 TWIN CN

Reference	Search Name	Item Name	€
5302030170	VTT1CNDMF-46	Twin CN Valve - DF Meter	1.094,12
5302030172	VTT1CNUMF-46	Twin CN Valve - UF Meter	1.115,32

CLACK VALVES

TWIN

OPTIONS

Reference	Search Name	Item Name	€
5303020174	V4017-01	TT Interconnect fitting asy *	22,82
5303020124	V4052-01	TT interconnect kit 12-21	76,89
5303020169	V4099	External in-line mixing valve	46,07

* included with the valves with connectors

ACCESSORIES FOR CLACK TWIN VALVE (TO BE ORDERED SEPERATELY)

Reference	Search Name	Item Name	€
0208010010	D1203	Top distributor 1 "	3,03
5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	3,27
5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	3,27
5303026540	V3007-14	WS1 Fitting 3/4" Plastic Male BSPT assy	23,32
5303024082	V3007-06	WS1 Fitting 1" Plastic Male BSPT assy	23,32
5303024081	V3007-08	WS1 Fitting 1.25" Plastic Male BSPT assy	23,71
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020278	V3186UK-06	WS1 DC Transformer UK 15V	28,69
5303020106	V3957	Check Valve Insert OV32	11,35
5303024090	PKP10TS8-BULK	Insert Polytube 5/8"	2,44
5303024088	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	1,57
4007010517	LABEL-CK	Standard Pallas CK Label	2,19

CLACK VALVES

SYSTEM CONTROLLER

DESCRIPTION

With Clack valves you can make a simple alternator system consisting of 2 valves by using the Motorized Alternating Valve.

For systems consisting of more than 2 interlinked units, we advise the use of the Clack System Controller.

This controller can operate 2 to 6 valves and can direct the valves in four main setups:

- Progressive Flow
- Alternator
- Series
- Random



FEATURES

- System Controller may operate 2 - 6 units
- Clack 1", 1.25", 1.5" or 2" control valves may be used
- No plug-in AC adapters required on individual valves, all connected valves will be powered by the System Controller (except for Impression Pro, TotalCare Pro & Evolve Pro)
- System diagnostic and programming information for spreadsheet presentation may be uploaded to a standard USB drive
- Two fused Single Pole Double Throw (SPDT) relay outputs are provided
- Single demand-based meter is provided
- Coin cell lithium battery backup for time of day
- Solid state microprocessor with user-friendly front panel programming
- Front panel displays for time of day, day of week, days until next regeneration, current system flow rate and total system volume used (Totalizer)
- Front panel LED status indicators for online, standby and regeneration
- Ethernet connection
- Modbus protocol, in function of building management systems
- Circuit board has been modified to have Molex connectors for easy cable connecting

HOW TO ORDER?

Necessary components for the Clack Multiplex system

- 1x System Controller
- 1 to 6 Clack valves
- 1x No hardwater Bypass per valve
- 1x Interconnection cord per valve
- 1x Power cord per valve

CLACK VALVES

SYSTEM CONTROLLER

Reference	Search Name	Item Name	€
5303020084	V3030-01	System Controller assy w/o Cord	1.688,91
0401287619	11545	Power Cord European Black	11,51
5303021059	V3475-12	WS2 System Connection Cord 12ft Red Connection cable between the valve and the system controller.	23,47
5303021060	V3475-24	WS2 System Connection Cord 24ft Blue Connection cable between the valve and the system controller.	42,58
5303021061	V3475-36	WS2 System Connection Cord 36ft Yellow Connection cable between the valve and the system controller.	57,78
5303020236	V4276-15	Power cable system controller 15ft with mollex connections. Electricity cable between the valve and the system controller.	13,82
5303020237	V4276-36	Power cable system controller 36ft with mollex connections. Electricity cable between the valve and the system controller.	23,60

CLACK VALVES

PROGRESSIVE FLOW

DESCRIPTION

The "Progressive Flow" feature allows you to have the most efficient system, where units will be brought on line or off line depending on the Flow Rate Demand of the facility. Tanks are brought "ONLINE" to handle an increase in flow, or placed in "STANDBY" as flow decreases.

FEATURES

- Covers a wide range of flow rates (e.g. Apartment buildings, hotels)
- Smaller tanks in case of space limitations
- Optimizes efficiency
- Reduces the chance for low flow channeling
- Possible for 3-4 units



Reference	Config.	Search Name	Item Name	€
Pallas CK				
5303010068	SUK000778	V3757CK-03ProgF KIT	Pallas CK Progressive Flow PC Board - Triplex / 3x CK prog flow board / 1x Cable Prog Flow Triple 8'	on request
5303010068	SUK000779	V3757CK-03ProgF KIT	Pallas CK Progressive Flow PC Board - Triplex / 3x CK prog flow board / 1x Cable Prog Flow Triple 12'	780,66
5303010068	SUK000780	V3757CK-03ProgF KIT	Pallas CK Progressive Flow PC Board - Quadruplex / 4x CK prog flow board / 1x Cable Prog Flow Quad 8'	on request
5303010068	SUK000781	V3757CK-03ProgF KIT	Pallas CK Progressive Flow PC Board - Quadruplex / 4x CK prog flow board / 1x Cable Prog Flow Quad 12'	1.046,77
Pallas CN				
5303010070	SUK000836	V4241CN-ProgF KIT	Pallas CN Progressive Flow PC Board - Triplex / 3x CN prog flow board / 1x Cable Prog Flow Triple 8'	on request
5303010070	SUK000837	V4241CN-ProgF KIT	Pallas CN Progressive Flow PC Board - Triplex / 3x CN prog flow board / 1x Cable Prog Flow Triple 12'	on request
5303010070	SUK000838	V4241CN-ProgF KIT	Pallas CN Progressive Flow PC Board - Quadruplex / 4x CN prog flow board / 1x Cable Prog Flow Quad 8'	on request
5303010070	SUK000839	V4241CN-ProgF KIT	Pallas CN Progressive Flow PC Board - Quadruplex / 4x CN prog flow board / 1x Cable Prog Flow Quad 12'	on request

CLACK VALVES

ACCESSORIES

SERVICE KITS

These kits contain the spacer stack, the pistons (main piston and regenerant piston) and a small tube of silicone lubricant.

Reference	Search Name	Item Name	€
5303020386	V3005-10	WS1 Down Flow Service Kit	78,44
5303020387	V3005-11	WS1 Up Flow Service Kit	99,11
5303020388	V3430-10	WS1.25 & WS1.5 Down Flow Service Kit	152,52
5303020389	V3430-11	WS1.25 & WS1.5 Up Flow Service Kit	173,17



WS1 Down Flow Service Kit



WS1 Up Flow Service Kit



WS1.25 & WS1.5 Down Flow Service Kit



WS1.25 & WS1.5 Up Flow Service Kit

CLACK VALVES

ACCESSORIES

CHLORINATOR SYSTEM ASSEMBLY FOR CLACK WS1 - WS1.25

- Possible on valves WS1 - WS1.25 and controllers TC, EI, CI, CK
- Only compatible with DC Clack Adapters
- This chlorinator only works as a chlorine generator, not as a salt alarm



Reference	Config.	Item Name	€
5303020347	SUK000463	Chlorinator System Assembly for Clack For systems where you hold the BLFC in the chlorinator	158,58
5303020347	SUK000556	Chlorinator System Assembly for Clack For systems where you place the BLFC in the brine tank with the air check/SBV	164,03

CHLORINATOR

Reference	Config.	Search Name	Item Name	€
5303017112		CV3395	Chlorinator for Evolve-Impression Pro	85,45
5303010034		CV3399	Chlorinator threaded for in-line installation	85,45

CLACK VALVES

ACCESSORIES

INJECTORS

Reference	Search Name	Item Name	€
Injectors WS1			
5303024111	V3010-1A	WS1 Injector assembly A Black	6,47
5303024112	V3010-1B	WS1 Injector assembly B Brown	6,47
5303024113	V3010-1C	WS1 Injector assembly C Violet	6,47
5303024114	V3010-1D	WS1 Injector assembly D Red	6,47
5303024115	V3010-1E	WS1 Injector assembly E White	6,47
5303024116	V3010-1F	WS1 Injector assembly F Blue	6,47
5303024117	V3010-1G	WS1 Injector assembly G Yellow	6,47
5303024118	V3010-1H	WS1 Injector assembly H Green	6,47
5303024119	V3010-1I	WS1 Injector assembly I Orange	6,47
5303024120	V3010-1J	WS1 Injector assembly J Light blue	6,47
5303024121	V3010-1K	WS1 Injector assembly K Light green	6,47
5303024122	V3010-1Z	Injector plug	2,22
Injectors WS1.5			
5303028202	V3010-1.5B	WS1.5 Injector assembly B Violet	35,49
5303028204	V3010-1.5C	WS1.5 Injector assembly C Red	35,49
5303028205	V3010-1.5D	WS1.5 Injector assembly D White	35,49
5303028206	V3010-1.5E	WS1.5 Injector assembly E Blue	35,49
5303028207	V3010-1.5F	WS1.5 Injector assembly F Yellow	35,49
5303028208	V3010-1.5G	WS1.5 Injector assembly G Green	35,49
5303028652	V3010-1.5H	WS1.5 Injector assembly H Orange	35,49
5303029313	V3010-15Z	WS1.5 Injector assembly Z Plug	11,49

CLACK VALVES

ACCESSORIES

INJECTORS

Reference	Search Name	Item Name	€
Injectors WS2			
5303021065	V3010-2A	WS2 Injector assembly A	41,05
5303021066	V3010-2B	WS2 Injector assembly B	41,05
5303021067	V3010-2C	WS2 Injector assembly C	41,05
5303021068	V3010-2D	WS2 Injector assembly D	41,05
5303021069	V3010-2E	WS2 Injector assembly E	41,05
5303021070	V3010-2F	WS2 Injector assembly F	41,05
5303021071	V3010-2G	WS2 Injector assembly G	41,05
5303021072	V3010-2H	WS2 Injector assembly H	60,20
5303020026	V3010-2R-15B	WS2 Injector assembly R violet	53,60
5303020027	V3010-2S-15C	WS2 Injector assembly S red	53,60
5303020028	V3010-2T-15D	WS2 Injector assembly T white	49,36
5303020029	V3010-2U-15E	WS2 Injector assembly U blue	50,78
5303020144	V3010-2-15	WS2/2H injector adapter *	34,15

* used to insert a WS1.5 injector in a WS2 valve

TRANSFORMER

Reference	Search Name	Item Name	€
5303020277	V3186EU-06	WS1 DC Transformer EU 15V	31,39
5303020204	V4155EU	Transformer for Clack PI disc valve	17,37
5303017238	CV3526EU	Transformer 220/15VDC for Pro and Evolve valves	60,08
5303020351	V3461EU-02	WS2H/3 24VDC 0.8A EU Power Supply	90,13

CLACK VALVES

ACCESSORIES

BYPASS

Reference	Search Name	Item Name	€
5303024075	V3006	WS1 Bypass	76,17
5303024087	V3191-01	WS1 Vertical Adapter assy	36,21

CONNECTIONS

Reference	Search Name	Item Name	€
5303026540	V3007-14	WS1 Fitting 3/4" Plastic Male BSPT assy	23,32
5303024082	V3007-06	WS1 Fitting 1" Plastic Male BSPT assy	23,32
5303020009	V3007-16	WS1 Fitting 1" Plastic Male BSPT Elbow assy	13,67
5303024081	V3007-08	WS1 Fitting 1.25" Plastic Male BSPT assy	23,71
5303020325	V4430-02	WS1.5 Plastic Fitting Asy QC to BSPT	36,36
5303020326	V4430-03	WS1.5 Plastic Fitting Asy QC to QC	27,03
5303020382	V4430-08	WS1.5 Plastic Fitting Elbow Asy QC to BSPT	38,23
5303020383	V4430-09	WS1.5 Plastic Fitting Elbow Asy QC to QC	33,46

CLACK VALVES

ACCESSORIES

MOTORIZED ALTERNATING VALVE FOR DUPLEX OR SEPERATED SOURCE*

A simple alternating duplex consists of two valves, one meter, and one MAV.

Reference	Search Name	Item Name	€
5303029140	V3069FF-01	Motorized Alternating valve WS1 & WS1.25 (female x female)	285,45
5303029141	V3069MM-01	Motorized Alternating valve WS1 & WS1.25 (male x male)	285,45
5302036536	V3071BSPT	Motorized Alternating valve WS1.5	728,82
5303020327	V3034	Motorized Alternating Valve WS1.5 Plastic *	353,06
5303022418	V3076BSPT	Motorized Alternating valve WS2	872,93
5303021840	V3083BSPT	Motorized Alternating valve WS3	3.272,33

* Fittings not included

NO HARD WATER BYPASS

Reference	Search Name	Item Name	€
5303020764	V3070FF	NHWBP WS1 & WS1.25 (female x female)	244,55
5303020765	V3070FM	NHWBP WS1 & WS1.25 (female x male)	244,55
5303020095	V3097BSPT	NHWBP WS1.5 (male x female)	471,37
5303020328	V3035	NHWBP WS1.5 Plastic *	429,14
5303020096	V3098BSPT	NHWBP WS2 (male x female)	530,97
5303020097	V3099BSPT	NHWBP WS3 (male x female)	1.694,91

* Fittings not included

CLACK VALVES

ACCESSORIES

DLFC FLOW WASHERS

Reference	Search Name	Item Name	€
5303024091	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	3,27
5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	3,27
5303024093	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	3,27
5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	3,27
5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	3,27
5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	3,27
5303024097	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	3,27
5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	3,27
5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	3,27
5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	3,27
5303024101	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	3,27
5303024102	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	3,27
5303024103	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	3,27
5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	8,01
5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	8,01
5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	8,01
5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	8,01
5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	8,01
5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	8,01
5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	8,01
5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	8,01

CLACK VALVES

ACCESSORIES

WATER METERS

Reference	Search Name	Item Name	€
5303025051	V3003-05	WS1 Meter Asy	92,90
5303025088	V3118-01	WS1 Turbine Asy	26,88
5303028611	V3040BSPT	WS1.5 Meter Asy BSPT	748,93
5303021165	V3040BSPT-15	WS1.5 Meter Asy BSPT - 4.5m cable	753,11
5303020309	V3045BSPT	WS1.5 Plastic Meter Asy BSPT *	549,65
5303020310	V3045BSPT-15	WS1.5 Plastic Meter Asy BSPT - 4.5m cable *	577,54
5303020318	V3045QC	WS1.5 Plastic Meter Asy QC	474,87
5303020320	V3045QC-15	WS1.5 Plastic Meter Asy QC - 4.5m cable	546,77
5303020085	V3094BSPT	WS2 Meter Asy BSPT (male x female)	800,67
5303020086	V3094BSPT-15	WS2 Meter Asy BSPT (male x female) - 4.5m cable	992,74
5303021838	V3095BSPT-15	WS3 Meter BSPT assembly	2.199,49

* Can also be used on the brass valves

OTHER ACCESSORIES

Reference	Search Name	Item Name	€
5303024084	V3009	Auxiliary microswitch for timer WS1, WS1.25 & WS1.5	24,72
5303020005	V3017	Auxiliary microswitch for timer WS2	47,70
5303025583	V3014	WS1 Series Microswitch Assy (with cable)	45,89
5303010062	FM-1-TDC12	Relais for Clack valves	53,27
5303028632	V3193-02	Service Spanner Wrench	16,47
5303010067	V4325	Clack Configurator	707,16
5303020169	V4099	External in-line mixing valve	46,07
0406010002	D1301	Riser Pipe Hold down Clamp 1,05"	8,38
5303025584	V3473	WS1 Motor/DP Wire Harness Two Pin 8' Long	12,26
5303020215	V3022	WS1 Stack puller assembly	26,09
5303020317	V3022-15	WS1.25/WS1.5 Stack puller assembly	32,43
5303020252	V3182-100	WS1 Refill Flow Control (1 gpm)	1,82

CLACK VALVES

SPARE PARTS

ELECTRONIC BOARD

Reference	Config.	Search Name	Item Name	€
5303020087		V3818TC-2TO4BRD	Electronic board for TC valves	102,32
5303010055		V3408EI-04BOARD	Electronic board for EI valves	194,45
5303025070		V3108CI-06BOARD	Electronic board for CI valves	181,07
5303020233		V4123PI-02BOARD	Electronic board for PI valve	on request
5303020117		V3757CK-03BOARD	Electronic board for Pallas CK valves	195,12
5303020314		V4241CN-Board	Electronic board for Pallas CN valves	228,26
5303020402		V3242-03BOARD	WS2H/3 Valve with Modbus Replacement PCB	646,98
5303010076		CV4022WV-04	Print Impression Plus WS1 THR	245,64
5303010037		CV3502WD-03	Electronic board for Impression Pro / Evolve valves	263,94
5303010083		CV3851WO-02BOARD	PC Board Total Care - version 2020	237,94
5303010084		CV4062WY-02	PC Board Total Care Plus WS1 thru WS2	243,82
5303010047		CV4050WC	PC Board Total Care Pro	253,01
5303020221		V3653HM-02	Remote Display for Flamingo - Version 2017	168,52
5302034366	Blue-ET	Remote Display	Complete controller for Flamingo - Blue ET	215,00
5303020222	DF	V3655CV-02*	WS1CV Remote PC BOARD Replace (version 2017) - Downflow	96,31
5303020222	UF	V3655CV-02*	WS1CV Remote PC BOARD Replace (version 2017) - Upflow	101,80
5303010071		CV3813WQ-03	Impression Backlit Board (Version 2020)	209,50
5303010081		V3870-04BOARD	System Controller PC board with molex	988,31
5303010085		V4123PI-03BOARD	PI Backlight PC Board	70,98

CLACK VALVES

SPARE PARTS

BRINE PISTON

Reference	Search Name	Item Name	€
5303025104	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	12,89
5303021704	V3726	WS2 Brine Piston	36,06
5303021095	V3238-01	WS2H/3 Brine Piston	78,20

PISTON

Reference	Search Name	Item Name	€
5303025064	V3011	WS1 Piston Downflow	17,72
5303025065	V3011-01	WS1 Piston Upflow	34,73
5303028210	V3407	WS1.25 & WS1.5 Piston Downflow	75,12
5303020126	V4042	WS1.25 & WS1.5 Piston Upflow (black)	60,84
5303021703	V3725	WS2 Piston Downflow	75,34
5303020129	V4059	WS2 Piston Upflow (black)	69,57
5303020062	V3666-01	WS3 Piston Downflow	152,55
5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	62,91

SPACER STACK

Reference	Search Name	Item Name	€
5303020199	V3005-02	WS1 Spacer Stack	52,83
5303020202	V3430-01	WS1.25 & WS1.5 Spacer Stack	81,65
5303021707	V3729	WS2 Spacer Stack Downflow	105,12
5303020130	V3729-01	WS2 Spacer Stack Upflow	111,18
5303020063	V3092	WS3 Spacer Stack	186,87
5303021663	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	27,89

CLACK VALVES

SPARE PARTS

MOTOR & DRIVE GEAR

Reference	Search Name	Item Name	€
5303025068	V3107-01	Motor 12V	23,09
5303025074	V3110	Drive Gear 12x36	1,74
5303025053	V3004	Drive Cap Assy	36,95

OTHER SPARE PARTS

Reference	Search Name	Item Name	€
5303025043	H4650	Elbow 1/2" with Nut & Insert	14,09
5303025041	H4615	Elbow Locking Clip	1,30
5303024090	PKP10TS8-BULK	Insert Polytube 5/8"	2,44
5303025100	V3165-01	WS1 Refill Flow Control Retainer Asy	6,61
5303024088	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	1,57
5303020036	V3498	Brine elbow for 12mm tubing	14,16
5303020106	V3957	Check Valve Insert OV32	11,35
5303020170	CH4642-WR-A	Internal Clack valve assy air filter	53,89
5303020181	V4144-01	Elbow 3/8" Liquifit assy with RFC	9,16
5303025066	V3013	WS1 Mixing Valve Assembly	43,85
5303020332	V4430-04BSPT	WS1.5 Plastic Drain Elbow & DLFC Retainer	26,63
5303020334	V4351	WS1.5 Plastic Flow Control Housing	3,25
5303020335	V4350-15Z	WS1.5 Plastic Injector Feed Plug	2,06

FLECK VALVES

Fleck is one of the three brands from Pentair control valves manufactured in EMEA region. Fleck covers a wide range of applications (either for softening or filtration purposes): residential, commercial or industrial, and hot or cold water. Over the past decades, Fleck has demonstrated a proven record of performance and reliability year after year. The drive for innovation allowed Fleck to become a leading brand with a global recognition. With approximately 2,5 million of valves produced in Europe since 1975, Pentair continues to be committed to reliable and innovative products' manufacturing. This responsibility comes from the Fleck legacy which dates back 60 years and also from Pentair's overall continuous improvement focus.

BENEFITS

- Wide range of applications
- Residential, commercial or industrial market
- Hot or cold water
- Proven record of performance
- Leading brand with a global recognition
- Large stock of spare parts. Ask for our spare parts catalogue.

TYPES

- Timer: Mechanical, LXT, SXT, XTR2, NXT2
- Valves:
 - Domestic: 4600, 5600, 5800
 - Commercial: 5800, 5812
 - Industrial: 2750, 2850, 2910, 3150, 3900
 - Twin: 9000, 9100, 9500
- Simplex & Duplex versions



FLECK VALVES

TIMER OVERVIEW



	Electro-mechanical	LXT	SXT	XTR2	NXT2*
Display type	Time or volume based program wheels	Midsized LCD display with blue backlight	Large LCD display with blue backlight	LCD display Touchscreen	2-4 Line scrolling text / OLED
Adjustable cycles	✓	✗	✓	✓	✓
Super capacitor: Time of day	✗	✓	✓	✓	✓
Programmable auxiliary relay	✗	✗	DC only (1 relay)	2 relays	2 relays
Programmable remote start	✗	✗	✗	✓	✓
Remote lockout	✗	✗	✗	✓	✓
Password lockout	✗	✗	✓	✓	✓
LED Status indicator	✗	✗	✗	✗	✓
Diagnostics	✗	✓	✓	✓	✓
Usage history	✗	✓	✓	✓	✓
Forward /Backward menu navigation	✗	✗	✗	✓	✓
Multi valve networking	✗	✗	✗	✗	2 - 8
Reset to custom settings	✗	✗	✗	✓	✓
Push settings	✗	✗	✗	✗	✓
Field programmer Upload/Download	✗	✗	✗	✓	✓
Multi language	N/A	Pictograms	Pictograms	6	7
Valve compatibility	2750, 2850, 2910, 3150, 3900, 4600, 5600, 9000, 9100, 9500	5800	2750, 2850, 2910, 4600 (3/4"), 5600, 5800, 9000, 9100, 9500	5800	2750, 2850, 2910, 3150, 3900

* The new NXT2 timer replaces the existing NXT timer

FLECK VALVES

FLECK 4600

DESCRIPTION

4600 is a lead-free brass valve with fully adjustable 3- or 5-cycle control for efficient and reliable water treatment. The backwash capabilities of 4600 accommodate softener tanks up to 12" in diameter.



FEATURES

- Valve body in brass
- Up to 82°C for timeclock version
- Service flow rate up to 4.5m³
- Eco By-Pass device available

VALVE SPECIFICATIONS

Service flow rate	4.50 m ³ /h
Backwash flow rate	1.60 m ³ /h
Operating pressure	1.4 to 8.5 bar
Water temperature	Up to 82°C for timeclock version

*3.5 bar inlet - valve alone

Valve material	Brass
In/out	3/4 inch or 1 inch
Type timer	Mechanical SXT (only chronometric)
Hot water	Yes

ELECTRONIC VALVES



Reference	Config.	Search Name	Item Name	€
0301460107	CSXD-HW	V460SC-600	Fleck 4600/1600 SXT Chrono SXT Hot Water 0/1.2/0.25	826,31

All valves are equipped with a transformer and top distributor
Yokes/ Bypass/ Aircheck/ Distributor tube/ Bottom distributor are not included and must be ordered separately.

Mechanical valves on request.

FLECK VALVES

FLECK 5600 SXT

DESCRIPTION

5600 SXT is a high performance control valve with multiple options for softener applications. Its backwash capabilities perfectly accommodate softener tanks up to 12" in diameter. Two non-corrosive, UV-resistant, fiber-reinforced noryl valve body designs are proposed: one for downflow regeneration and one for upflow (covers every valve in the 5600 family - quick access to all internal components). The valve is user-friendly, easily programmable and its modular design simplifies the disassembly and the maintenance.

FEATURES

- Valve body in reinforced Noryl
- Large backlit LCD display with 3 push buttons
- Advanced programming with 6 adjustable cycle times
- Service flow rate up to 4.5m³



VALVE SPECIFICATIONS

Service flow rate	4.5 m ³ /hr	Valve material	Noryl
Backwash flow rate	1.6 m ³ /hr	In/out	3/4 inch or 1 inch
Operating pressure	1.4 to 8.5 bar	Type timer	SXT
Water temperature	1°C to 43°C	Hot water	No

*3.5 bar inlet - valve alone

Reference	Config.	Search Name	Item Name	€
0301561549	CSXD02	V560SC601	Fleck 5600 SXT Chrono SXT Down Flow 1/1.5/0.25	497,53
0301561549	ESXD05	V560X6	Fleck 5600 SXT Eco SXT Down Flow 0/1.5/0.25	518,50
0301561549	ESXD06	V560X6	Fleck 5600 SXT Eco SXT Down Flow 1/2/0.25	518,50

All valves are equipped with a transformer and top distributor
Yokes/ Bypass/ Aircheck/ Distributor tube/ Bottom distributor are not included and must be ordered separately.

FLECK VALVES

FLECK 5800

DESCRIPTION

5800 represents a great step forward in the Fleck product range: the valve platform is made of one hydraulic valve and different controllers, allowing various options, eliminating the need to stock a variety of control valves for filter or softener applications. 5800 features an improved flow, easy servicing (one-piece seal and spacer cartridge for quick and easy replacement) and a quick set-up.

FEATURES

- Latest technology and Innovative characteristics
- Versatile electronics
- Seal & spacer cartridge, reduced spare parts list and snap fit assembly
- Reversible 10.000 rpm motor & optical sensor



Hurricane

VALVE SPECIFICATIONS

Service flow rate	4.7 m³/hr
Backwash flow rate	3.8 m³/hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C
Valve material	Noryl

*3.5 bar inlet - valve alone

In/out	3/4 inch or 1 inch
Type timer	SXT (Typhoon) LXT (Storm) XTR (Hurricane)
Hot water	No
Options	SXT: relay possible XTR: with chlorinator and salt-alarm

FLECK VALVES

FLECK 5800



HURRICANE

Reference	Config.	Search Name	Item Name	€
0301580008	EXTD	V580XR-001	Fleck 5800 Hurricane XTR Timer Volumetric Down Flow	816,96
0301580008	EXTU	V580XR-001	Fleck 5800 Hurricane XTR Timer Volumetric Up Flow	770,72

STORM

Reference	Config.	Search Name	Item Name	€
0301580002	CLXD	V580LC-001	Fleck 5800 Storm LXT Timer Chrono Down Flow	on request
0301580002	CLXU	V580LC-002	Fleck 5800 Storm LXT Timer Chrono Up Flow	on request
0301580002	ELXD	V580LR-001	Fleck 5800 Storm LXT Timer Volumetric Down Flow	on request
0301580002	ELXU	V580LR-002	Fleck 5800 Storm LXT Timer Volumetric Up Flow	on request
0301580004	FLXT	V580LC-003	Fleck 5800 LXT Filter	on request

TYPHOON

Reference	Config.	Search Name	Item Name	€
0301580003	CSXD	V580SC-001	Fleck 5800 Typhoon SXT2 Timer Chrono Down Flow	497,69
0301580003	ESXD	V580SR-001	Fleck 5800 Typhoon SXT2 Timer Volumetric Down Flow	538,19
0301580003	ESXU	V580SR-003	Fleck 5800 Typhoon SXT2 Timer Volumetric Up Flow	572,82
0301580004	FSXT	V580SC-004	Fleck 5800 SXT Filter	497,69

All valves are equipped with a transformer and top distributor
Yokes/ Bypass/ Aircheck/ Distributor tube/ Bottom distributor are not included and must be ordered separately.

FLECK VALVES

FLECK 2750

DESCRIPTION

2750 is a lead-free brass valve ensuring a superior strength and durability with continuous service flow rate of 98 l/min with a backwash of 94 l/min. Ideal for residential or commercial filter and softener applications.



FEATURES

- Time-tested, hydraulically-balanced piston, seal and spacer concept
- Multiple choice of regeneration: manual, mechanical or electronical
- Valve body in brass
- Can be fitted on pressure vessels up to 24"

VALVE SPECIFICATIONS

Service flow rate	5.9 m³/hr
Backwash flow rate	5.6 m³/hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Brass
In/out	1 inch
Type timer	SXT/NXT/Mechanical
Hot water	Mechanical only

FLECK VALVES

FLECK 2750



ELECTRONIC VALVES & METERS*

Reference	Config.	Search Name	Item Name	€
0301270097	CSXD	V275SC-603	Fleck 2750/1650 SXT Chrono SXT Down Flow 3/5/1	833,91
0301278450	CNXTD	V275NC-602	Fleck 2750/1650 NXT2 Chrono NXT2 Down Flow 3/5/1	1.494,55
0301278450	CNXTD-NBP	V275NC-603	Fleck 2750/1650 NXT2 Chrono NXT2 Down Flow NBP 3/5/1	1.560,69
0301270002	HWMSW01	V275NC-605	Fleck 2750/1650 NXT2 NXT2 MS Wired Hot Water 3/5/1	1.765,18
0301270002	HWNBMWSW01	V275NC-606	Fleck 2750/1650 NXT2 NXT2 MS Wired Hot Water NBP 3/5/1	1.923,44
0301270003	NXT-NB01	V275NC-604	Fleck 2750/1710 NXT2 Chrono NXT2 Down Flow NBP 4C/10/2	1.726,82
Electronic meters				
0401150016		29089	Meter Stainless Steel 1" BSP Mechanical 20m³ / Electronic	801,28
0401150022		29096	Kit 1" Meter NXT Stainless Steel	627,87

All valves are equipped with a transformer and top distributor
Aircheck/ Distributor tube and bottom distributor are not included and must be ordered separately.

*Electronic versions: meter to be ordered separately

Mechanical valves on request.

FLECK VALVES

FLECK 2750

FILTER VALVES & DLFC'S*

Reference	Config.	Search Name	Item Name	€
0301276108	SXT	V275SC-600	Fleck 2750 Filter Chrono SXT - no DLFC	977,13
0301276108	SXT-NB	V275SC-601	Fleck 2750 Filter Chrono SXT NBP - no DLFC	1.135,43
0301276108	SXT-NBHW	V275SC-602	Fleck 2750 Filter Chrono SXT Hot Water NBP - no DLFC	1.340,57
0301276108	NXT-NB	V275NC-600	Fleck 2750 Filter Chrono NXT2 NBP - no DLFC	1.566,21
DLFC's				
0401036507	24212-1,5	24212*	DLFC ¾" NPT - ½" NPT 1.5 GPM 2750	55,46
0401036507	24212-2,0	24212*	DLFC ¾" NPT - ½" NPT 2 GPM 2750	55,46
0401036507	24212-2,4	24212*	DLFC ¾" NPT - ½" NPT 2.4 GPM 2750	55,46
0401036507	24212-3,0	24212*	DLFC ¾" NPT - ½" NPT 3.0 GPM 2750	55,46
0401036507	24212-3,5	24212*	DLFC ¾" NPT - ½" NPT 3.5 GPM 2750	56,56
0401036507	24212-4,0	24212*	DLFC ¾" NPT - ½" NPT 4.0 GPM 2750	55,46
0401036507	24212-5,0	24212*	DLFC ¾" NPT - ½" NPT 5.0 GPM 2750	59,22
0401036507	24212-7,0	24212*	DLFC ¾" NPT - ½" NPT 7.0 GPM 2750	59,22
0401036506	24202-09	24202*	DLFC ¾" NPT - ¾" BSP 9.0 GPM 2750	77,17
0401036506	24202-10	24202*	DLFC ¾" NPT - ¾" BSP 10 GPM 2750	77,17
0401036506	24202-12	24202*	DLFC ¾" NPT - ¾" BSP 12 GPM 2750	77,28
0401036506	24202-15	24202*	DLFC ¾" NPT - ¾" BSP 15 GPM 2750	78,72
0401036506	24202-20	24202*	DLFC ¾" NPT - ¾" BSP 20 GPM 2750	77,17
0401036506	24202-25	24202*	DLFC ¾" NPT - ¾" BSP 25 GPM 2750	73,67

All valves are equipped with a transformer and top distributor
Aircheck/ Distributor tube and bottom distributor are not included and must be ordered separately.

*Filter versions: DLFC to be ordered separately

FLECK VALVES

FLECK 2850

DESCRIPTION

2850 is a lead-free brass valve with environmental protective cover for water resistance, corrosion resistance, and UV stability. Designed for single or multiple tank systems ideally suitable for small commercial and industrial applications.



FEATURES

- Time-tested, hydraulically-balanced piston, seal and spacer concept
- 1-1/2" top-mount control valve
- Valve body in brass
- Multiple choice of regeneration: manual, mechanical or electronical

VALVE SPECIFICATIONS

Service flow rate	11.6 m³/hr
Backwash flow rate	11.1 m³/hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Brass
in/out	1 1/2 inch
Type timer	SXT/NXT/Mechanical
Hot water	Mechanical only

FLECK VALVES

FLECK 2850



ELECTRONIC VALVES & METERS*

Reference	Config.	Search Name	Item Name	€
0301280100	CSXD	V285SC-602	Fleck 2850/1650 SXT Chrono SXT Down Flow 3/5/1	1.341,58
0301280100	CSXD-NB	V285SC-603	Fleck 2850/1650 SXT Chrono SXT Down Flow NBP 3/5/1	1.770,78
0301288454	NXT	V285NC-606	Fleck 2850/1650 NXT2 Chrono NXT2 Down Flow 3/5/1	1.998,23
0301288454	NXT-NBP	V285NC-602	Fleck 2850/1650 NXT2 Chrono NXT2 Down Flow NBP 3/5/1	2.181,40
0301280099	CSXD	V285SC-605	Fleck 2850/1710 SXT Chrono SXT Down Flow 4C/10/2	1.743,29
0301280099	CSXD-NB	V285SC-606	Fleck 2850/1710 SXT Chrono SXT Down Flow NBP 4C/10/2	1.853,71
0301288453	NXT	V285NC-607	Fleck 2850/1710 NXT2 Chrono NXT2 Down Flow 4C/10/2	2.091,58
0301288453	NTD-NBP	V285NC-603	Fleck 2850/1710 NXT2 Chrono NXT2 Down Flow NBP 4C/10/2	2.284,50
Electronic meters				
0401150018		29091	Meter Stainless Steel 1.5" BSP Mechanical 40m ³ / Electronic	1.065,10
0401150023		29097	Kit 1" 1/2 Meter NXT Stainless Steel	784,86

All valves are equipped with a transformer and top distributor
Aircheck/ Distributor tube and bottom distributor are not included and must be ordered separately.

*Electronic versions: meter to be ordered separately

Mechanical valves on request.

FLECK VALVES

FLECK 2850

FILTER VALVES & DLFC'S*

Reference	Config.	Search Name	Item Name	€
0301283093	SXT	V285SC-600	Fleck 2850 Filter Chrono SXT - no DLFC	1.491,82
0301283093	SXT-NB	V285SC-601	Fleck 2850 Filter Chrono SXT NBP - no DLFC	1.665,34
0301283093	NXT	V285NC-600	Fleck 2850 Filter Chrono NXT2 - no DLFC	1.922,63
0301283093	NXT-NB	V285NC-601	Fleck 2850 Filter Chrono NXT2 NBP - no DLFC	2.096,18
DLFC's				
0401036508	25171-1,2	25171*	DLFC 1" NPT - ¾" BSP Assy 1.2 GPM 2850/2910/9500	95,90
0401036508	25171-2,0	25171*	DLFC 1" NPT - ¾" BSP Assy 2 GPM 2850/2910/9500	95,90
0401036508	25171-2,4	25171*	DLFC 1" NPT - ¾" BSP Assy 2.4 GPM 2850/2910/9500	95,90
0401036508	25171-3,0	25171*	DLFC 1" NPT - ¾" BSP Assy 3 GPM 2850/2910/9500	96,04
0401036508	25171-4,0	25171*	DLFC 1" NPT - ¾" BSP Assy 4 GPM 2850/2910/9500	95,90
0401036508	25171-5,0	25171*	DLFC 1" NPT - ¾" BSP Assy 5 GPM 2850/2910/9500	115,37
0401036508	25171-7,0	25171*	DLFC 1" NPT - ¾" BSP Assy 7 GPM 2850/2910/9500	115,37
0401036510	25581-09	25581	DLFC 1" NPT - ¾" BSP Assy 9 GPM 2850/2910/9500	98,03
0401036510	25581-10	25581	DLFC 1" NPT - ¾" BSP Assy 10 GPM 2850/2910/9500	96,04
0401036510	25581-12	25581	DLFC 1" NPT - ¾" BSP Assy 12 GPM 2850/2910/9500	96,04
0401036510	25581-15	25581	DLFC 1" NPT - ¾" BSP Assy 15 GPM 2850/2910/9500	97,94
0401036510	25581-20	25581	DLFC 1" NPT - ¾" BSP Assy 20 GPM 2850/2910/9500	97,94
0401036510	25581-25	25581	DLFC 1" NPT - ¾" BSP Assy 25 GPM 2850/2910/9500	97,94
0401036501		13640	Dole 30.0 GPM	210,16

All valves are equipped with a transformer and top distributor
Aircheck/ Distributor tube and bottom distributor are not included and must be ordered separately.

*Filter versions: DLFC to be ordered separately

FLECK VALVES

FLECK 2910

DESCRIPTION

2910 is a lead-free brass valve for superior strength with improved 2 piston-system technology to drive independent flows of service and regeneration. Ideal for industrial applications and multivalve systems.



FEATURES

- Designed for single or multi-tank systems, alternating or interlocking
- Improved 2 piston-system technology
- Valve body in brass
- Multiple choice of regeneration: mechanical or electronical

VALVE SPECIFICATIONS

Service flow rate	24 m³/hr
Backwash flow rate	7.9 m³/hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Brass
In/out	2 inch
Type timer	SXT/NXT/Mechanical
Hot water	Mechanical only

FLECK VALVES

FLECK 2910



ELECTRONIC VALVES & METERS*

Reference	Config.	Search Name	Item Name	€
0301290101	CSXD	V291SC-600	Fleck 2910/1650 SXT Chrono SXT Down Flow 3/5/1	2.232,22
0301290102	CSXD	V291SC-603	Fleck 2910/1710 SXT Chrono SXT Down Flow 4C/15/2	2.291,85
0301298455	NBP	V291NC-600	Fleck 2910/1650 NXT2 Chrono NXT2 Down Flow NBP 3/7/1	2.649,53
0301298456	NXT	V291NC-604	Fleck 2910/1710 NXT2 Chrono NXT2 Down Flow 6C/25/4	2.674,53
0301298456	NXT-UF01	V291NC-609	Fleck 2910/1710 NXT2 Chrono NXT2 Up Flow 4C/15/2	2.950,15
0301298456	NXT-NBUF01	V291NC-610	Fleck 2910/1710 NXT2 Chrono NXT2 Up Flow NBP 4C/15/2	2.950,15
0301290001	NT-HW02	V291XP-600	Fleck 2910/1700 NXT2 Less Timer, Less Transfo Hot Water 6C/25/4	2.692,49
0301290001	NXT-HW01	V291NC-607	Fleck 2910/1700 NXT2 Chrono NXT2 Down Flow Hot Water 4C/15/2	3.413,21
0301290001	NXT-NBHW01	V291NC-608	Fleck 2910/1700 NXT2 Chrono NXT2 Down Flow Hot Water NBP 4C/15/2	3.413,21
Electronic meters				
0401150020		V291NC-600	Meter SS 2" BSP Mechanical 75m³ / Electronic	1.490,11
0401150024		V291SC-603	Kit 2" Meter NXT Stainless Steel	813,07
External electronic meters				
2803010006	10L	V291NC-600	Impulse Water Meter DN50 Cold water - 10L	919,08
0401150002		V291NC-600	Electronic meter cable 0.47m (5 pc)	43,92
0401110009		V291SC-603	Kit communication cable NXT/NXT2	46,34

All valves are equipped with a transformer and top distributor
Aircheck/ Distributor tube and bottom distributor are not included and must be ordered separately.

*Electronic versions: meter to be ordered separately

Mechanical valves on request.

FLECK VALVES

FLECK 2910

FILTER VALVES & DLFC'S*

Reference	Config.	Search Name	Item Name	€
DLFC's				
0401036508	25171-1,2	25171*	DLFC 1" NPT - 3/4" BSP Assy 1.2 GPM 2850/2910/9500	95,90
0401036508	25171-2,0	25171*	DLFC 1" NPT - 3/4" BSP Assy 2 GPM 2850/2910/9500	95,90
0401036508	25171-2,4	25171*	DLFC 1" NPT - 3/4" BSP Assy 2.4 GPM 2850/2910/9500	95,90
0401036508	25171-3,0	25171*	DLFC 1" NPT - 3/4" BSP Assy 3 GPM 2850/2910/9500	96,04
0401036508	25171-4,0	25171*	DLFC 1" NPT - 3/4" BSP Assy 4 GPM 2850/2910/9500	95,90
0401036508	25171-5,0	25171*	DLFC 1" NPT - 3/4" BSP Assy 5 GPM 2850/2910/9500	115,37
0401036508	25171-7,0	25171*	DLFC 1" NPT - 3/4" BSP Assy 7 GPM 2850/2910/9500	115,37
0401036510	25581-09	25581	DLFC 1" NPT - 3/4" BSP Assy 9 GPM 2850/2910/9500	98,03
0401036510	25581-10	25581	DLFC 1" NPT - 3/4" BSP Assy 10 GPM 2850/2910/9500	96,04
0401036510	25581-12	25581	DLFC 1" NPT - 3/4" BSP Assy 12 GPM 2850/2910/9500	96,04
0401036510	25581-15	25581	DLFC 1" NPT - 3/4" BSP Assy 15 GPM 2850/2910/9500	97,94
0401036510	25581-20	25581	DLFC 1" NPT - 3/4" BSP Assy 20 GPM 2850/2910/9500	97,94
0401036510	25581-25	25581	DLFC 1" NPT - 3/4" BSP Assy 25 GPM 2850/2910/9500	97,94
0401036501		13640	Dole 30.0 GPM	210,16

All valves are equipped with a transformer and top distributor
Aircheck/ Distributor tube and bottom distributor are not included and must be ordered separately.

*Filter versions: DLFC to be ordered separately

FLECK VALVES

FLECK 3150

DESCRIPTION

3150 is a lead-free brass valve with fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system. Ideal for commercial/industrial filter and softener applications.



FEATURES

- Time-tested, hydraulically-balanced piston, seal and spacer concept
- Versatile top or side mount
- Valve body in brass
- Multiple choice of regeneration: manual, mechanical or electronical

VALVE SPECIFICATIONS

Service flow rate	22 m ³ /hr
Backwash flow rate	24 m ³ /hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

Valve material	Brass
in/out	2 inch
Type timer	NXT/Mechanical
Hot water	Mechanical only

*3.5 bar inlet - valve alone

FLECK VALVES

FLECK 3150

ELECTRONIC VALVES & METERS*

Reference	Config.	Search Name	Item Name	€
0301310001	NXT01	V315NC-603	Fleck 3150/1800 NXT2 Chrono NXT2 Down Flow - No Tank Adapter 4/20/5	3.770,17
Electronic meters				
0401159331		28295	Kit 2" Meter SXT/NXT Plastic	553,00
0401150024		29098	Kit 2" Meter NXT Stainless Steel	813,07
Tank adapter				
0401267571		18023	Tank Adapter 3150 Side Mount	490,61
0401267572		18024	Tank Adapter 3150 Top Mount	517,31

All valves are equipped with a transformer
Distribution systems are not included and must be ordered separately.

*Electronic versions: meter & tank adapter to be ordered separately

Mechanical valves and other references on request.

FLECK VALVES

FLECK 3150

FILTER VALVES & DLFC'S*

Reference	Config.	Search Name	Item Name	€
0301313639	NXT	V315NC-600	Fleck 3150 Filter Chrono NXT2 - no tank adapter - No DLFC	3.485,22
0301313639	NXT-NB	V315NC-601	Fleck 3150 Filter Chrono NXT2 NBP - no tank adapter - No DLFC	3.688,69
0301313639	NXT-NBHW	V315NC-602	Fleck 3150 Filter Chrono NXT2 Hot Water NBP - no tank adapter - No DLFC	4.279,30
DLFC's				
0401036509	20GPM	25580	DLFC 2" BSP - 2" BSP assy 20 GPM 3150/3900	204,72
0401036509	25GPM	25580	DLFC 2" BSP - 2" BSP assy 25 GPM 3150/3900	200,66
0401036509	30GPM	25580	DLFC 2" BSP - 2" BSP assy 30 GPM 3150/3900	200,66
0401036509	35GPM	25580	DLFC 2" BSP - 2" BSP assy 35 GPM 3150/3900	189,30
0401036509	40GPM	25580	DLFC 2" BSP - 2" BSP assy 40 GPM 3150/3900	200,66
0401036509	45GPM	25580	DLFC 2" BSP - 2" BSP assy 45 GPM 3150/3900	200,66
0401036509	50GPM	25580	DLFC 2" BSP - 2" BSP assy 50 GPM 3150/3900	204,72
0401036509	55GPM	25580	DLFC 2" BSP - 2" BSP assy 55 GPM 3150/3900	200,66
0401036509	60GPM	25580	DLFC 2" BSP - 2" BSP assy 60 GPM 3150/3900	200,66
0401036509	65GPM	25580	DLFC 2" BSP - 2" BSP assy 65 GPM 3150/3900	200,66
0401036509	70GPM	25580	DLFC 2" BSP - 2" BSP assy 70 GPM 3150/3900	204,72
0401036509	75GPM	25580	DLFC 2" BSP - 2" BSP assy 75 GPM 3150/3900	200,66
0401036509	80GPM	25580	DLFC 2" BSP - 2" BSP assy 80 GPM 3150/3900	200,66
0401036509	85GPM	25580	DLFC 2" BSP - 2" BSP assy 85 GPM 3150/3900	200,66
0401036509	90GPM	25580	DLFC 2" BSP - 2" BSP assy 90 GPM 3150/3900	200,66
0401036509	100GPM	25580	DLFC 2" BSP - 2" BSP assy 100 GPM 3150/3900	204,72
Tank adapter				
0401267571		18023	Tank Adapter 3150 Side Mount	490,61
0401267572		18024	Tank Adapter 3150 Top Mount	517,31

All valves are equipped with a transformer
Distribution systems are not included and must be ordered separately.

*Filter versions: DLFC & tank adapter to be ordered separately

FLECK VALVES

FLECK 3900

DESCRIPTION

3900 is a lead-free brass valve with fully adjustable 3- or 5-cycle control for an efficient and reliable water treatment. Its backwash capabilities accommodate softener tanks up to 63" and filter up to 42" in diameter. Moreover, the 3900 valve features an environmentally protective cover for water and corrosion resistance and UV stability.



FEATURES

- Time-tested, hydraulically-balanced piston, seal and spacer concept
- Versatile top or side mount
- Valve body in brass
- Designed for single or multi-tank systems, alternating or interlocking

VALVE SPECIFICATIONS

Service flow rate	57 m³/hr
Backwash flow rate	24 m³/hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Brass
In/out	3 inch
Type timer	NXT/Mechanical
Hot water	No

FLECK VALVES

FLECK 3900



ELECTRONIC VALVES & METERS*

Reference	Config.	Search Name	Item Name	€
0301390001	NXT01	V390NC-602	Fleck 3900/1800 NXT2 Chrono NXT2 Down Flow - No Tank Adapter 6/35/5	7.235,20
0301390001	NXT-NB01	V390NC-605	Fleck 3900/1800 NXT2 Chrono NXT2 Down Flow NBP - No Tank Adapter 5/25/5	7.235,20
0301390001	NXT-NB06	V390NC-610	Fleck 3900/1800 NXT2 Chrono NXT2 Down Flow NBP - No Tank Adapter 10/100/10	6.825,66
Electronic meters				
0401150015		29082	Kit 3" Meter NXT Stainless Steel	1.777,83
Tank adapter				
0401267576		18926	Tank Adapter 3900 Side Mount	1.640,80
0401267575		18925	Tank Adapter 3900 Top Mount Flanged 6"	906,98
0401267573		18041	Tank Adapter 3900 Top Mount Threated 6"	803,72

All valves are equipped with a transformer
Distribution systems are not included and must be ordered separately.

*Electronic versions: meter & tank adapter to be ordered separately

Mechanical valves and other references on request.

FLECK VALVES

FLECK 3900



FILTER VALVES & DLFC'S*

Reference	Config.	Search Name	Item Name	€
0301393092	NXT	V390NC-600	Fleck 3900 Filter Chrono NXT2 - no tank adapter - No DLFC	6.950,32
0301393092	NXT-NB	V390NC-601	Fleck 3900 Filter Chrono NXT2 NBP - no tank adapter - No DLFC	6.950,32
DLFC's				
0401036509	20GPM	25580	DLFC 2" BSP - 2" BSP assy 20 GPM 3150/3900	204,72
0401036509	25GPM	25580	DLFC 2" BSP - 2" BSP assy 25 GPM 3150/3900	200,66
0401036509	30GPM	25580	DLFC 2" BSP - 2" BSP assy 30 GPM 3150/3900	200,66
0401036509	35GPM	25580	DLFC 2" BSP - 2" BSP assy 35 GPM 3150/3900	189,30
0401036509	40GPM	25580	DLFC 2" BSP - 2" BSP assy 40 GPM 3150/3900	200,66
0401036509	45GPM	25580	DLFC 2" BSP - 2" BSP assy 45 GPM 3150/3900	200,66
0401036509	50GPM	25580	DLFC 2" BSP - 2" BSP assy 50 GPM 3150/3900	204,72
0401036509	55GPM	25580	DLFC 2" BSP - 2" BSP assy 55 GPM 3150/3900	200,66
0401036509	60GPM	25580	DLFC 2" BSP - 2" BSP assy 60 GPM 3150/3900	200,66
0401036509	65GPM	25580	DLFC 2" BSP - 2" BSP assy 65 GPM 3150/3900	200,66
0401036509	70GPM	25580	DLFC 2" BSP - 2" BSP assy 70 GPM 3150/3900	204,72
0401036509	75GPM	25580	DLFC 2" BSP - 2" BSP assy 75 GPM 3150/3900	200,66
0401036509	80GPM	25580	DLFC 2" BSP - 2" BSP assy 80 GPM 3150/3900	200,66
0401036509	85GPM	25580	DLFC 2" BSP - 2" BSP assy 85 GPM 3150/3900	200,66
0401036509	90GPM	25580	DLFC 2" BSP - 2" BSP assy 90 GPM 3150/3900	200,66
0401036509	100GPM	25580	DLFC 2" BSP - 2" BSP assy 100 GPM 3150/3900	204,72
Tank adapter				
0401267576		18926	Tank Adapter 3900 Side Mount	1.640,80
0401267575		18925	Tank Adapter 3900 Top Mount Flanged 6"	906,98
0401267573		18041	Tank Adapter 3900 Top Mount Threaded 6"	803,72

All valves are equipped with a transformer
Distribution systems are not included and must be ordered separately.

*Filter versions: DLFC & tank adapter to be ordered separately

FLECK VALVES

FLECK 9000 - TWIN

DESCRIPTION

9000 is a lead-free brass valve with fully adjustable 5-cycle control for efficient and reliable water treatment and backwash capabilities accommodating softener tanks up to 16". It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.



FEATURES

- Regenerates with soft water
- Choice of 3/4" or 1" meter
- Use of 100% of tank capacity before switching to the second tank
- Backwash capability handles up to 16" diameter tanks

VALVE SPECIFICATIONS

Service flow rate	4.0 m ³ /hr
Backwash flow rate	1.9 m ³ /hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Brass
In/out	3/4 inch or 1 inch
Type timer	SXT/Mechanical
Hot water	mechanical only, up to 65° C

FLECK VALVES

FLECK 9000 - TWIN



ELECTRONIC VALVES*

Reference	Config.	Search Name	Item Name	€
0301900103	SXT02	V900SI-601	Fleck 9000/1600 SXT Twin Duplex Eco SXT 3/4" 1/1.5/0.25	1.192,57
0301900103	SXT03	V900SI-602	Fleck 9000/1600 SXT Twin Duplex Eco SXT 3/4" 1/2.4/0.5	1.192,57
0301900103	DSXD 1"	V900SI-604	Fleck 9000/1600 SXT Twin Duplex Eco SXT 1" 2/2.4/0.5	1.962,94
Kit flexibles 2nd tank adapter				
0401358460		18122	Kit Flexible 2nd tank adapter - 200mm	117,27
0401350011		18123	Kit Flexible 2nd tank adapter - 400mm	166,01
0401355476		18124	Kit Flexible 2nd tank adapter - 500mm	156,87

All valves are equipped with a transformer, top distributors, drain elbow, 2nd tank adapter
Yokes/ Bypass/ Aircheck / Distributor tube/ Bottom distributor are not included in the prices and must be ordered separately.

*All versions: Kit flexibles 2nd tank adapter to be ordered separately

Mechanical valves on request.

FLECK VALVES

FLECK 9100 - TWIN

DESCRIPTION

9100 is a fiber-reinforced noryl valve for superior strength and durability. It is non-corrosive and UV-resistant, providing a continuous service flow rate of 5.4 m³/h with a backwash of 2.3 m³/h. The 9100 regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.



FEATURES

- Regenerates with soft water
- Innovative second tank quick connection
- Use of 100% of tank capacity before switching to the second tank
- Corrosion-free fiber-reinforced polymer valve body

VALVE SPECIFICATIONS

Service flow rate	4.0 m ³ /hr
Backwash flow rate	1.9 m ³ /hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Noryl
In/out	3/4 inch or 1 inch
Type timer	SXT/Mechanical
Hot water	No

FLECK VALVES

FLECK 9100 - TWIN

ELECTRONIC VALVES*



Reference	Config.	Search Name	Item Name	€
0301910104	SXT01	V910SI-601	Fleck 9100/1600 SXT Twin Duplex SXT Eco 3/4" 1/2.4/0.5	1.026,56
0301910104	SXT03	V910SI-608	Fleck 9100/1600 SXT Twin Duplex SXT Eco 3/4" 3/5/1	1.026,56
0301910104	SXT-M02	V910SXT	Fleck 9100/1600 SXT Twin Duplex SXT Eco 3/4" + Mixing 1/1.5/0.25	1.144,96
0301910104	SXT-M03	V910SXT	Fleck 9100/1600 SXT Twin Duplex SXT Eco 3/4" + Mixing 1/2.4/0.5	983,39
0301910104	SXT-MS01	V910SI-603	Fleck 9100/1600 SXT Twin Duplex SXT Eco 3/4" - MS 1/2.4/0.5	1.164,34
0301910104	DSXD-1	V910SI-607	Fleck 9100/1600 SXT Twin Duplex SXT Eco 1" 3/5/1	1.491,01
Kit flexibles 2nd tank adapter				
0401293078		28243-07	9100 PVC connecting tubes 2nd tank adapter - 7"	84,62
0401293079		28243-09	9100 PVC connecting tubes 2nd tank adapter - 9"	80,40
0401293080		28243-12	9100 PVC connecting tubes 2nd tank adapter - 12"	96,16
0401294490		28243-16	9100 PVC connecting tubes 2nd tank adapter - 16"	142,55

All valves are equipped with a transformer, top distributors, drain elbow, 2nd tank adapter
Yokes/ Bypass/ Aircheck / Distributor tube/ Bottom distributor are not included in the prices and must be ordered separately.

*All versions: PVC connecting tubes 2nd tank adapter to be ordered separately

Mechanical valves on request.

FLECK VALVES

FLECK 9500 - TWIN

DESCRIPTION

9500 is a lead-free brass valve with fully adjustable 5-cycle control for efficient and reliable water treatment and backwash capabilities accommodating softener tanks up to 24". It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.



FEATURES

- Regenerates with soft water
- Backwash capability handles up to 24" tanks
- 100% capacity use of the tank in service before switching to the second tank
- Service flow rate: up to 8,4 m³/h

VALVE SPECIFICATIONS

Service flow rate	8.4 m ³ /hr
Backwash flow rate	3.3 m ³ /hr
Operating pressure	1.4 to 8.5 bar
Water temperature	1°C to 43°C

*3.5 bar inlet - valve alone

Valve material	Brass
In/out	1.5 inch
Type timer	SXT/Mechanical
Hot water	Mechanical only

FLECK VALVES

FLECK 9500 - TWIN

ELECTRONIC VALVES*



Reference	Config.	Search Name	Item Name	€
0301950105	DSX64D	V950SI-600	Fleck 9500/1650 SXT Twin Duplex SXT Eco 1"1/2 3/5/1	3.570,46
0301950105	SXT-I01	V950SI-601	Fleck 9500/1650 SXT Twin Duplex SXT 1"1/2 Inline Meter 3/5/1	3.549,69
0301950106	DSX64D	V950SI-600	Fleck 9500/1710 SXT Twin Duplex SXT Eco 1"1/2 4C/15/2	4.313,62
0301950106	SXT-I01	V950SI-601	Fleck 9500/1710 SXT Twin Duplex SXT 1"1/2 Inline Meter 4C/15/2	3.741,59
0301952938	DET64D	V950EI-600	Fleck 9500/1650 ET Twin Duplex ET Eco 1"1/2 3/5/1	on request
0301956091	DET64D	V950EI-601	Fleck 9500/1710 ET Twin Duplex ET Eco 1"1/2 4C/15/2	on request
Kit copper tubes 2nd tank adapter				
0401298277		28137-16	Tube Connector 16" 9500 Assy	425,35
0401298278		28137-20	Tube Connector 20" 9500 Assy	425,35
0401298279		28137-24	Tube Connector 24" 9500 Assy	425,35

All valves are equipped with a transformer, top distributors, drain elbow, 2nd tank adapter
Yokes/ Bypass/ Aircheck / Distributor tube/ Bottom distributor are not included in the prices and must be ordered separately.

*All versions: PVC connecting tubes 2nd tank adapter to be ordered separately

Mechanical valves on request.

FLECK VALVES

ACCESSORIES

ADAPTERS

Reference	Search Name	Item Name	€
0401358470	61415-20	Rotating Side Mount Adapter Assy 2850/2900	728,34

AIRCHECK

Reference	Config.	Search Name	Item Name	€
0401358440		18979	Air Check 900	55,22
0401358437	ST	18168	Air Check 500A 915 mm 36"	6,73
0401358439		23473	Air Check 500 Hot Water (1600 EC)	12,00
0401358441		18980	Air Check 900 Hot Water	72,69

BYPASS

Reference	Config.	Search Name	Item Name	€
0401358424		BU28502	Bypass 1" With Red Handle Female Inox	84,26
0401354617		40563-11	Connector 1" Male BSP, Plastic QC	6,39
0401354621		40565-11	Connector 1 1/4" Male BSP, Plastic QC	6,26
0401358428		BU26054	Bypass Plastic	48,81
0401358426		24734-10	Bypass Female Brass With Mixing & Red Handle	182,61
0401350781		FLBP	Fleck Bypass For Softeners BP Noryl + Yoke 3/4"	68,30

FLECK VALVES

ACCESSORIES

DISTRIBUTORS

Reference	Config.	Search Name	Item Name	€
0306019529		D780C2A55	Distributor 1" + tube 55" (140cm)	30,87
0306019530	STD	D780C2A72	Bottom Distributor & Tube 1" 75" (1.91m)	28,22
0401358443			Bottom Distributor & Tube 1" High Flow (1.95m)	25,64
0401358444	S.P.	21675	Bottom Distributor & Tube 1" High Flow Hot Water (1.95m)	38,13
0401358447			Bottom Distributor & Tube 2"	75,91
0401358448		BU26052	Bottom Distributor & Tube 2" Hot Water (B5)	136,86
6101086381		Bottom Dist. 32mm	Bottom Distributor 32mm + 1.85m PVC Tube	13,06
6101080854		Bottom Dist.1" 1m	Bottom Distributor 1" + 1m Tube	11,73
6101084278		Bottom Dist.1" 1.85m	Bottom Distributor 1" + 1.85m Tube	24,27

FLECK VALVES

ACCESSORIES

SBV

Reference	Search Name	Item Name	€
0401358039	SBV 2300	Safety brine valve 2300 assembled with aircheck	51,61
0401359082	SBV 2310 HW	Safety brine valve 2310 assembled Hot Water	48,36
0401354160	SBV 2310	Safety brine valve 2310 assembled	40,21
0401352316	SBV 2350	Safety brine valve 2350 assembled	396,07

YOKE/MANIFOLD

Reference	Search Name	Item Name	€
0401358415	13398-10	Yoke Brass 1" BSP Female Brass	29,27
0401358417	24735	Yoke Brass 1" Female With Mixing	94,51
0401358419	18706-10	Yoke Plastic 1" Bsp Male	14,61
0401358423	18706-12	Yoke Plastic 3/4" Bsp Male	16,06
0401354159	26054/18706-10	Yoke PVC 1" Male + PVC Bypass Fleck	65,03

AUTOTROL VALVES

Autotrol is one of the three brands of Pentair control valves manufactured in EMEA region. Autotrol valves cover a wide range of applications, either softening or filtration for residential, commercial or industrial markets, making it a brand of choice amongst water treatment professionals around the world.

BENEFITS

- Composite multiport valves, controllers and accessories
- Advanced features
- High reliability
- Wide range of applications in softening or filtration
- Large stock of spare parts. Ask for our spare parts catalogue.

TYPES

- Markets: Residential, Commercial and Industrial
- Timers: 460, Logix 740-760, Logix 742-762
- Valve series: 368 Peanut, 255-460, 255-Logix, Performa 268-263-460, Performa 268-263 Logix, Performa CV 278, Magnum 298CV-293, Magnum 298 IT, Duplex



AUTOTROL VALVES

TIMER OVERVIEW



460TC

- Simple set-up and programming
- Calendar override
- 12-volt operation
- 7-day variable reserve
- 2 types: 460i (volumetric) and 460TC (Time Control).



LOGIX 740 - 760

- Operates the 255, 263 and 268 valve with one controller
- High efficiency regeneration sequence
- Filter or conditioner setting in one control
- 28-day variable reserve (Logix 760 only)
- Automatic capacity calculations (Logix 760 only)
- Automatic cycle time calculation (not adjustable except filter mode) (Logix 760 only)



LOGIX 742 - 762

- Same features as 740/760, plus:
- Automatically calculated and fully adjustable cycle times
- Salt setting in grams
- Optional no-salt detector or chlorine generator
- Operates the 255, 263, 268, 278, and Magnum IT valve with one controller
- Automatic capacity setting (Logix 762 only)



LOGIX 764

- Single controller for any configuration
- Softener and filter control
- Twin alternating, twin parallel, single tank remote regeneration start and multi single tank lockout capability
- Reliable and easy 3-step program control
- Fully programmable or manual operation
- Internal flow meter, no need of flow meter in piping
- Automatic capacity calculation
- Automatic cycle time calculation(fully adjustable)

AUTOTROL VALVES

AUTOTROL 368 PEANUT

DESCRIPTION

The 368 Series is the all-around solution for new market opportunities. The simple design is the perfect fit for a full range of applications. The valve is a fully integrated valve/control combination that packs all the brainpower and performance in the ultra compact housing.



FEATURES

- Increased valve performance
- Black valve colour
- Up to 10" tank compatible
- 3-step programming: time-of-day, salt dosage, regeneration

VALVE SPECIFICATIONS

Service flow rate*	3.8 m³/hr	Tank thread	2.5 inch
Backwash flow rate*	0.6 m³/hr	In/out	3/4 inch, 1 inch
Operating pressure	1.5 to 8.5 bar	Brine line	3/8 inch
Water temperature	2°C to 38°C	Riser tube diameter	1.05 inch

* valve only

Reference	Config.	Search Name	Item Name	€
0304213281	EU	368/606*	Autotrol 368/606 with manifold, EU transfo (without bypass)	428,47
0304213281	EUBP	368/606*	Autotrol 368/606 with bypass, EU transfo	570,70
0403010013		4003702	Blending kit 368 series	7,56

All Autotrol valves are equipped with a transformer

AUTOTROL VALVES

AUTOTROL 255 LOGIX

DESCRIPTION

255 Logix is a non-corrosive, UV-resistant valve with fiber-reinforced polymer valve body for superior strength and durability. Designed with double backwash for reduced hardness leakage, its capabilities accommodate softener tanks up to 14" and filter up to 10" in diameter. Moreover, a time-tested flapper provides a frictionless sealing for longer service life and the programming, stored in memory, will not be lost due to power outages.



FEATURES

- Corrosion-proof construction
- Service flow rate: up to 3,5 m³/h
- Advanced electronic controller platform
- Filter/ softener setting in one controller

VALVE SPECIFICATIONS

Service flow rate*	3.5 m³/hr	Tank thread	2.5 inch
Backwash flow rate*	1.4 m³/hr	In/out	3/4 inch or 1 inch
Operating pressure	1.5 to 8.2 bar	Drain Line	1/2 inch (manifold dependent)
Water temperature	2°C to 38°C	Brine line	3/8 inch
* valve only		Riser tube diameter	1.05 inch

Reference	Config.	Search Name	Item Name	€
0304034446	EUSYSL	255-740 Logix	Autotrol 255-740 Logix elect. chrono, no manifold EU transfo - Symbol frontplate - Slim line cover	456,67
0304034446	EUSYST	255-740 Logix	Autotrol 255-740 Logix elect. chrono EU transfo - Symbol frontplate - Standard Cover	512,19
0304039546	EUSYSL	255-742 Logix	Autotrol 255-742 Logix elect. chrono, no manifold EU transfo - Symbol frontplate - Slim line cover	515,12
0304039546	EUSYST	255-742 Logix	Autotrol 255-742 Logix elect. chrono, no manifold EU transfo - Symbol frontplate - Standard cover	515,03

AUTOTROL VALVES

AUTOTROL 255 LOGIX



Reference	Config.	Search Name	Item Name	€
0304034447	EUSYST	255-760 Logix	Autotrol 255-760 Logix elect. volume, no manifold EU transfo - Symbol frontplate - Standard Cover	532,07
0304034447	EUSYSL	255-760 Logix	Autotrol 255-760 Logix elect. volume, no manifold EU transfo - Symbol frontplate - Slim line cover	650,53
0304038327	EUSYSL	255-762 Logix	Autotrol 255-762 Logix elect. volume, no manifold EU transfo - Symbol frontplate - Slim line cover	707,70
0304038327	EUSYST	255-762 Logix	Autotrol 255-762 Logix elect. volume EU transfo - Symbol frontplate - Standard line cover	707,70

All Autotrol valves are equipped with a transformer

AUTOTROL VALVES

AUTOTROL 255 LOGIX

ACCESSORIES FOR AUTOTROL 255-LOGIX VALVE

Reference	Config.	Search Name	Item Name	€
0401998386		KIT AUTOTROL #1	Kit for Autotrol 255	28,77
4202005143		Assy 255 35"	Assembly Kit 255/740 and 400 series	16,03
4202002144		Assy Kit 255-35	Assembly Kit 255/760	29,65
4202005363		Assy 255 65"	Assembly Kit 255 65" Long 1,05" Riser (both elbows)	33,36
4202005417		Assy 255 35" H/D	Assembly Kit 255 35" Long 1,05" Riser (Heavy Duty) both elbows	45,64
4202005405		Assy 255 65" H/D	Assembly Kit 255 65" Long 1,05" Riser (Heavy Duty) both elbows	49,60
0403024934		1234256	Male plastic piping boss 3/4" BSP	25,08
0403024935		1234259	Turbine Manifold Male 1" BSP	69,38
0403024937		1234255	Manifold 1" Male, Noryl + kit	25,78
0403024936		1234260	Male plastic piping boss 3/4" BSP + int. turbine	66,07
0403018294		1239760	Kit Mixing Logix, Not Mounted	12,76
0403010004		1239754	Micro Switch Kit Top Mount 5A	64,83
0403011236		1239752	Micro Switch Kit Front Mount 5A	69,42
0403016812		M5 lg 40 logix	Mixing for 255 Valve	3,07
0403008068		3023761	Manifold 3/4" BSP Inox + Kit	45,66
0403012184		3023747	Manifold 1" BSP SS	59,00
0403018957	P3	Bypass256+P	Bypass Autotrol 256 Body complete + elbow + kit - P3	79,31
0403018957	P4	Bypass256+P	Bypass Autotrol 256 Body complete + elbow + kit - P4	86,63

AUTOTROL VALVES

AUTOTROL PERFORMA 268/263 460 SERIES

DESCRIPTION

Performa 460 series is a glass-filled thermoplastic valve, working either with 460TC or 460i volumetric timers. The 460TC features a simple, precise electronic time clock, the 1- or 30-days regeneration setting and a filter or softener setting. The 460i timer has the same features as the 460TC, plus a capacity setting, a calendar override and a 7-day variable reserve.

FEATURES

- Filter/softener setting in one controller
- Corrosion-proof construction
- Simple, precise electronic
- Service flow rate: up to 5,7 m³/h



VALVE SPECIFICATIONS

Service flow rate*	5.7 m ³ /hr	Tank thread	2.5 inch
Backwash flow rate*	4.5 m ³ /hr	In/out	3/4 inch, 1 inch
Operating pressure	1.5 to 8.2 bar	Brine line	3/8 inch
Water temperature	2°C to 38°C	Riser tube diameter	1.05 inch

* valve only

Reference	Config.	Search Name	Item Name	€
0304050001	EU118EN7S	263-460TC	Autotrol Performa 263-460TC elect. chrono	492,94
0304060001	EU118EN7S	268-460TC	Autotrol Performa 268-460TC elect. chrono	494,53

All Autotrol valves are equipped with a transformer

ACCESSORIES FOR AUTOTROL 268 VALVE

Reference	Config.	Search Name	Item Name	€
0401999234		KIT AUTOTROL #2	Kit for Autotrol 268 Contains: Top distributor, Distributor 1" + tube 75" (191 cm), Air Check 500A 915mm, Drain elbow 3/4", Brine Elbow	33,95

AUTOTROL VALVES

AUTOTROL PERFORMA 268/263 LOGIX

DESCRIPTION

Performa Logix is a non-corrosive, UV-resistant valve with fiber-reinforced polymer valve body for superior strength and durability. Designed with double backwash for reduced hardness leakage, its capabilities accommodate softener tanks up to 14" and filter up to 18" in diameter. Moreover, a time-tested duraflo flapper provides a frictionless sealing for longer service life and the programming, stored in memory, will not be lost due to power outages.



FEATURES

- Filter/softener setting in one controller
- Corrosion-proof construction
- Advanced electronic controller platform
- Service flow rate: up to 5,7 m³/h

VALVE SPECIFICATIONS

Service flow rate*	5.7 m ³ /hr
Backwash flow rate*	4.5 m ³ /hr
Operating pressure	1.5 to 8.2 bar
Water temperature	2°C to 38°C

Tank thread	2.5 inch
In/out	3/4 inch, 1 inch
Brine line	3/8 inch
Riser tube diameter	1.05 inch

* valve only

AUTOTROL VALVES

AUTOTROL PERFORMA 268/263 LOGIX



Reference	Config.	Search Name	Item Name	€
0304064448	LE-EU	268-740 Logix	Autotrol Performa 268-740 Logix elect. chrono	503,35
0304064449	LE-EU	268-760 Logix	Autotrol Performa 268-760 Logix elect. volume	735,93
0304050106	EU	263-742F Logix	Autotrol Performa 263-742F Logix elect. chrono	591,24
0304060108	LE-EU	268-742 Logix	Autotrol Performa 268-742 Logix elect. chrono	545,60

All Autotrol valves are equipped with a transformer

ACCESSORIES FOR AUTOTROL 268 VALVE

Reference	Config.	Search Name	Item Name	€
0401999234		KIT AUTOTROL #2	Kit for Autotrol 268 Contains: Top distributor, Distributor 1" + tube 75" (191 cm), Air Check 500A 915mm, Drain elbow 3/4", Brine Elbow	33,95
0403011406		3023824	3/4" BSPT Brass pipe adapter kit	32,72
0403011407		3023807	1" BSPT Brass pipe adapter kit	34,11
4202005133		Assy 268/278 65"	Assembly Kit 268/278 65"	40,18
0403010004		1239754	Micro Switch Kit Top Mount 5A	64,83
0403011236		1239752	Micro Switch Kit Front Mount 5A	69,42

AUTOTROL VALVES

AUTOTROL PERFORMA 278CV

DESCRIPTION

Performa CV Logix is a non-corrosive, UV-resistant valve with fiber-reinforced polymer valve body for superior strength and durability. Designed for single or multiple tank systems, its backwash capabilities accommodate softener tanks up to 21" and filter up to 18" in diameter. Moreover, a time-tested flapper provides a frictionless sealing for longer service life and the programming, stored in memory, will not be lost due to power outages.



FEATURES

- Advanced electronic controller platform
- Filter/softener setting in one controller
- Corrosion-proof construction
- High performance control valve

VALVE SPECIFICATIONS

Service Flow rate*	5.7 m³/hr	Tank thread	2.5 inch
Backwash Flow rate*	4.5 m³/hr	in/out	3/4 inch, 1 inch
Operating pressure	1.5 to 8.2 bar	Brine line	3/8 inch
Water temperature	2°C to 38°C	Riser tube diameter	1.05 inch

* valve only

Reference	Config.	Search Name	Item Name	€
0304085027	LE-EU	278-762 Logix	Autotrol Performa CV 278-762 Logix elect. volume EU transfo	895,25
0304081461	LE-EU	278-742 Logix	Autotrol Performa CV 278/742 Logix elect. chrono EU transfo	677,51

All Autotrol valves are equipped with a transformer

AUTOTROL VALVES

AUTOTROL MAGNUM 298CV

DESCRIPTION

Magnum control valve is one of the most versatile valves on the market. It features an all-electronic control platform with 24-hour super-capacitor backup, which makes the battery unnecessary. Moreover, the cartridge-style assembly ensures an easy installation and cleaning of injectors and refill.

FEATURES

- Advanced electronic controller platform
- Highly versatile valve
- Corrosion-proof construction
- Remote mount kit
- Connection to tank 4" 8UN, 6" flanged fully rotative for easy alignment with piping or side mount option
- External pilot feed adapter option for filter system with high iron and/or sediment content
- 1 fully customizable hydraulic auxiliary output signals
- Up to 3 fully customizable auxiliary microswitch output signals

VALVE SPECIFICATIONS

Service flow rate*	17.3 m³/hr
Backwash flow rate*	20.2 m³/hr
Operating pressure	1.8 to 6.9 bar
Water temperature	2°C to 38°C

Tank thread	4 inch
In/out	1.5 inch
Brine line	3/4 inch
Riser tube diameter	1.5 inch

* valve only

AUTOTROL VALVES

AUTOTROL MAGNUM 298CV

Reference	Config.	Search Name	Item Name	€
0304098692	SN-HWB-EU	Magnum CV-742	Autotrol Magnum CV (1" 1/2) - 742 elect. chrono Softener - Hard Water Bypass - EU transfo	1.533,36
0304098692	SN-NHB-EU	Magnum CV-742	Autotrol Magnum CV (1" 1/2) - 742 elect. chrono Softener - No Hard Water Bypass - EU transfo	1.533,36
0304098695	SN-HWB-EU	Magnum CV-762	Autotrol Magnum CV (1" 1/2) - 762 elect. volume Softener - Hard Water Bypass - EU transfo	2.034,51
0304098695	SN-NHB-EU	Magnum CV-762	Autotrol Magnum CV (1" 1/2) - 762 elect. volume Softener - No Hard Water Bypass - EU transfo	2.034,51

All Autotrol valves are equipped with a transformer

ACCESSORIES FOR AUTOTROL MAGNUM 298CV

Reference	Config.	Search Name	Item Name	€
0403027977		1001656	Magnum CV - 1.5" - 50mm PVC adapter kit	60,10
0304006317		3023673	Magnum CV - 1.5" - 1.5" BSP adapter kit	92,39

AUTOTROL VALVES

AUTOTROL MAGNUM 298IT

DESCRIPTION

Magnum control valve is one of the most versatile valves on the market. It features an all-electronic control platform with 24-hour super-capacitor backup, which makes the battery unnecessary. Moreover, the cartridge-style assembly ensures an easy installation and cleaning of injectors and refill.



FEATURES

- Advanced electronic controller platform
- Highly versatile valve
- Corrosion-proof construction
- Remote mount kit
- Connection to tank 4" 8UN, 6" flanged fully rotative for easy alignment with piping or side mount option
- External pilot feed adapter option for filter system with high iron and/or sediment content
- 1 fully customizable hydraulic auxiliary output signals
- Up to 3 fully customizable auxiliary microswitch output signals
- Also available with 764TW and 764L controllers for duplex alternating or parallel as well as multi tank systems with lockout

VALVE SPECIFICATIONS

Service flow rate*	17.94 m³/hr
Backwash flow rate*	20.2 m³/hr
Operating pressure	1.8 to 6.9 bar
Water temperature	2°C to 38°C
Type of valve	293: Filter 298: Softener

Tank thread	4 inch
In/out	2 inch
Brine line	3/4 inch
Riser tube diameter	1.5 inch

* valve only

AUTOTROL VALVES

AUTOTROL MAGNUM 298IT

Reference	Config.	Search Name	Item Name	€
0304108696	SN-HWB-EU	Magnum IT-742	Autotrol Magnum IT (2") - 742 elect. chrono Softener - Hard Water Bypass - EU transfo	1.577,62
0304108696	FL-NUB-EU	Magnum IT-742	Autotrol Magnum IT (2") - 742 elect. chrono Filter - No Unfiltered Water Bypass - EU transfo	1.659,39
0304108696	SN-NHB-EU	Magnum IT-742	Autotrol Magnum IT (2") - 742 elect. chrono Softener - No Hard Water Bypass - EU transfo	1.565,46
0304108697	SN-HWB-EU	Magnum IT-762	Autotrol Magnum IT (2") - 762 elect. volume Softener - Hard Water Bypass - EU transfo	2.123,15
0304108697	SN-NHB-EU	Magnum IT-762	Autotrol Magnum IT (2") - 762 elect. volume Softener - No Hard Water Bypass - EU transfo	2.239,92
0403021707		1040921S	Side Mount Adapter	278,11
0403021372		1040668	External Pilot Feed Adapter (to be used with external pilot check valve)	86,69
0403026757		1009817	External Pilot Check Valve	35,08

All Autotrol valves are equipped with a transformer

ACCESSORIES FOR AUTOTROL MAGNUM 298IT

Reference	Search Name	Item Name	€
0304006318	3023674	Magnum IT / CV plus 2" - 2" BSP adapter kit	125,69
0403028523	1040785	Magnum IT / CV plus 2" - 63mm PVC adapter Kit	97,16
0403021725	3019468	Kit 1 switch service/regen signal 0.1Amp (also retrofit for 962M+S controls)	on request
0403020001	3019469	Kit 1 switch service/regen signal 5Amp (also retrofit for 962M+S controls)	29,27
0403010014	3019467	Kit 3 switch fully customizable 5 Amp	77,27
0403000014	3019523	Kit 1 switch fully customizable 5Amp	88,34
0403021723	1041064	Auxiliary hydraulic signal output breakaway cam	19,42
0403001352	1263718	Remote mount kit with 3m cable (control not included)	59,06

AUTOTROL VALVES

DUPLEX

VALVES

Reference	Config.	Search Name	Item Name	€
0304180782	OTH	255-764	Autotrol Logix 255/764 Duplex	875,01
0304180784	ALT	298-764	Autotrol Magnum IT 298/764 Duplex Alternating	4.256,67
0304180783	OTH	278-764	Autotrol Performa 278/764 Duplex	1.362,16

OPTIONS

Reference	Search Name	Item Name	€
0403021632	1035640	Deluxe interconnecting Kit 255 Duplex	261,87
0403004660	1231291	Deluxe interconnecting Kit 278 Twin	271,51
0403290785	3019931-2532	Interconnect Pipework for 255-764	187,58
0403290793	3019933-2532	Interconnect Pipework for 278-764 Alternating	250,66
3041006326	021.252.04	Plastic nipple 1" x 1"	4,69
0403021693	1040784	Magnum 2" PVC adapter kit	91,83

AUTOTROL VALVES

OPTIONS AND ACCESSORIES

TIMERS

Reference	Search Name	Item Name	€
0403000004	4000610	460TC Timer (chronometric / electronic) - 118min	187,22
0403000005	4000611	460TC Timer (chronometric / electronic) - 59min	181,76
0403000012	1242152	Logix 740 chrono	228,86
0403000010	1242153	Logix 760 volume	292,83
0403000011	1242154	Logix 762 volume	338,06
0403296725	3022346	Logix 764	345,40

BYPASS

Reference	Search Name	Item Name	€
0403011406	3023824	3/4" BSPT Brass pipe adapter kit	32,72
0403011407	3023807	1" BSPT Brass pipe adapter kit	34,11
0403012187	1040769	Bypass Autotrol 256 Body Assembly	66,54

AUTOTROL VALVES

OPTIONS AND ACCESSORIES

BRINE REFILL CONTROLLERS

Reference	Search Name	Item Name	€
368, 255, Performa, Performa CV			
0403011606	1000221	Brine refill control assembly 0.14 gpm	18,43
0403011607	1243510	Brine refill control assembly 0.33 gpm	18,93
Performa Cv only			
0403021667	1000519	Brine refill control assembly 1.3 gpm	18,58
Magnum 298 CV & IT			
0403021731	1000421	Refill flow control for 14" tank - 0.7 gpm	16,43
0403021732	1000422	Refill flow control for 16" tank - 0.8 gpm	16,43
0403021733	1000423	Refill flow control for 18" tank - 1.0 gpm	16,43
0403021734	1000424	Refill flow control for 21" tank - 1.4 gpm	16,93
0403021735	1000425	Refill flow control for 24" tank - 2.0 gpm	16,43
0403021736	1000426	Refill flow control for 30" tank - 3.0 gpm	16,43
0403021737	1000427	Refill flow control for 36" tank - 5.0 gpm	16,93

AUTOTROL VALVES

OPTIONS AND ACCESSORIES

DLFC FOR 460I & LOGIX CONTROLLER

Reference	Search Name	Item Name	€
Drain control assy			
0403012207	1000208	Drain control assy no. 6	12,78
0403011610	1000209	Drain control assy no. 7 (1.2gpm; 4.5 lpm)	12,78
0403011611	1000210	Drain control assy no. 8 (1.6 gpm; 6.1 lpm)	12,44
0403011612	1000211	Drain control assy no. 9 (2.0 gpm; 7.6 lpm)	12,78
0403011613	1000212	Drain control assy no. 10 (2.5 gpm; 9.5 lpm)	12,44
0403011614	1000213	Drain control assy no. 12 (3.5 gpm; 13.2 lpm)	12,78
0403011615	1000214	Drain control assy no.13 (4.1 gpm; 15.5 lpm)	12,44
0403011616	1000215	Drain control assy no. 14 (4.8 gpm; 18.2 lpm)	12,78
External DLFC			
0403021651	1030355	External DLFC, 5 gpm (19 lpm)	25,39
0403021652	1030356	External DLFC, 6 gpm (22.5 lpm)	25,39
0403021653	1030357	External DLFC, 7 gpm (26.5 lpm)	26,14
0403021654	1030358	External DLFC, 8 gpm (30 lpm)	25,39
0403021655	1030359	External DLFC, 9 gpm (34 lpm)	25,39
0403021656	1030360	External DLFC, 10 gpm (38 lpm)	26,14
0403021657	1000406	External DLFC, 12 gpm (45 lpm)	40,55
0403021658	1000407	External DLFC, 15 gpm (56.8 lpm)	40,55
0403021659	1000409	External DLFC, 20 gpm (75.7 lpm)	41,75

AUTOTROL VALVES

OPTIONS AND ACCESSORIES

DLFC FOR MAGNUM 742&762

Reference	Search Name	Item Name	€
DLFC			
0403020223	1040720	DLFC 5 gpm	57,19
0403028720	1040722	DLFC 7 gpm	57,00
0403020224	1040724	DLFC 9 gpm	57,19
0403028814	1040725	DLFC 10 gpm	59,43
0403020225	1040726	DLFC 11 gpm	57,19
0403020226	1040727	DLFC 12 gpm	57,19
0403020227	1040728	DLFC 13 gpm	57,19
0403004399	1040729	DLFC 14 gpm	53,78
0403020013	1040740	DLFC 15 gpm	54,03
0403028815	1040741	DLFC 16 gpm	57,19
0403020228	1040742	DLFC 17 gpm	57,19
0403020229	1040743	DLFC 18 gpm	57,19
0403020230	1040744	DLFC 19 gpm	57,19
0403024975	1040745	DLFC 20 gpm	54,03
0403028816	1040746	DLFC 21 gpm	57,19
0403020187	1040747	DLFC 22 gpm	57,19
0403020231	1040748	DLFC 23 gpm	57,19
0403020232	1040749	DLFC 24 gpm	57,19
0403020233	1040730	DLFC 25 gpm	57,19
0403020234	1040731	DLFC 26 gpm	57,19
0403020235	1040732	DLFC 27 gpm	57,19
0403028817	1040733	DLFC 28 gpm	57,19
0403020236	1040734	DLFC 29 gpm	57,19
0403024681	1040735	DLFC 30 gpm	54,03
0403020237	1040736	DLFC 31 gpm	57,19
0403020238	1040737	DLFC 32 gpm	57,19
0403020239	1040738	DLFC 33 gpm	57,19
0403020240	1040739	DLFC 34 gpm	57,19
0403024682	1040750	DLFC 35 gpm	57,19
0403020241	1040751	DLFC 36 gpm	57,19
0403020242	1040752	DLFC 37 gpm	57,19
0403020243	1040753	DLFC 38 gpm	57,19
0403020244	1040754	DLFC 39 gpm	57,19

AUTOTROL VALVES

OPTIONS AND ACCESSORIES

Reference	Search Name	Item Name	€
0403018259	1040755	DLFC 40 gpm	54,03
DLFC discs			
0403016099	1040756	DLFC Disc Blue 5 GPM	3,65
0403020245	1040757	DLFC Disc Red 6 GPM	3,82
0403020246	1040758	DLFC Disc Brown 7 GPM	3,82
0403015054	1040759	DLFC Disc Green 8 GPM	3,52
0403015055	1040760	DLFC Disc Almond 9 GPM	3,39
0403016098	1040761	DLFC Disc Gold 10 GPM	3,55
0403020014	1040762	DLFC Disc without flow controls - 12 pcs	38,44

AUTOTROL VALVES

OPTIONS AND ACCESSORIES

INJECTOR

Reference	Search Name	Item Name	€
440i/460i controller			
0403012278	1032970	Injector A - white	8,38
0403012279	1032971	Injector B - Blue	8,38
0403012280	1032972	Injector C - Red	8,38
0403011680	1030272	Injector D - Green	8,13
0403012086	1000269	Injector cap with o-ring	4,18
Logix controller			
0403029219	1035730	Injector E - yellow (6" vessel)	8,85
0403029220	1035731	Injector F - peach (7" vessel)	8,85
0403029221	1035732	Injector G - tan (8" vessel)	9,49
0403029222	1035733	Injector H - purple (9" vessel)	8,85
0403029223	1035734	Injector J - light blue (10" vessel)	8,81
0403025110	1035735	Injector K - pink (12" vessel)	8,81
0403029224	1035736	Injector L - orange (13-14" vessel)	8,90
0403021660	1035737	Injector M - brown (14" vessel)	8,63
0403021367	1035738	Injector N - green (16" vessel)	8,13
0403021661	1035739	Injector Q - purple (18" vessel)	8,87
0403021662	1035884	Injector R - dark grey (21" vessel)	8,87
0403012086	1000269	Injector cap with o-ring	4,18
Magnum			
0410027468	1040670	Injector for 14" vessel (35.6 cm) - 0.5 gpm (incl. o-ring)	29,31
0403021517	1040671	Injector for 16" vessel (40.6 cm) - 0.5 gpm (incl. o-ring)	35,10
0410027467	1040672	Injector for 18" vessel (45.7 cm) - 0.6 gpm (incl. o-ring)	29,31
0403021742	1040673	Injector for 21" vessel (53.3 cm) - 0.9 gpm (incl. o-ring)	30,98
0403021743	1040674	Injector for 24" vessel (61.0 cm) - 1.4 gpm (incl. o-ring)	31,88
0403021744	1040675	Injector for 30" vessel (76.2 cm) 2.0 gpm (incl. o-ring)	30,98
0403021745	1040676	Injector for 36" vessel (91.4 cm) - 3.3 gpm (incl. o-ring)	30,98

SIATA VALVES

SIATA is one of the three brands of Pentair control valves, specifically developed in EMEA. Composed of a broad range of multiport composite valves with service flow rates up to 35 m³/h and advanced professional controllers, SIATA offers a full range of solutions that simplify the whole operating process on water treatment plants.

BENEFITS

- Design in glassfibre reinforced ABS
- Various types of regenerant can be used
- Inlet and outlet valves are double actuated
- Either air or water can be used for valve control
- The controller camshaft actuates the SIATA valves through the various regeneration phases

TYPES

- Business: Commercial, Industrial, Residential
- Application: Deionization, Filtration, Softening
- Valves: V132, V230, V250, V350, V351, V360, V363
- Controllers: SFE, SFE-EV Pro and Viridion



SIATA VALVES

TIMER OVERVIEW

TIMER SFE



- Intuitive 3 push buttons, LCD display backlit during programming mode
- Advanced programming capabilities
- High frequency regeneration (every 1/2/3/4/6/8 or 12 hours)
- Statistic mode

TIMER SFE-EV PRO



- Covers higher volume demand applications
- Carry over of well-known SFE or SFE-EV functionalities
- 3 free contact relays, each one programmable in 12 different mode
- Ideal for customer specific applications
- For duplex and simplex systems

VIRIDION TIMER



- 15% Average salt saving per regeneration
- Adaptive regeneration cycles
- Average water savings: 22% - can reach 40% for some specific application
- Salt alarm sensor
- Integrated brine valve
- User friendly programming for an easy set-up
- Valuable help for service companies: easy monitoring of the performance and troubleshooting

SIATA VALVES

TIMER SFE

DESCRIPTION

SFE is a performant, easy-to-use and user-friendly controller, thanks to its LCD backlight display and advanced programming options which include up to 4 regenerations phases with independently adjustable cycle times. It is perfectly suitable to all SIATA valves in our range for softening or filter applications.



FEATURES

- Intuitive 3 push buttons, LCD display backlit during programming mode
- Advanced programming capabilities
- High frequency regeneration (every 1/2/3/4/6/8 or 12 hours)
- Statistic mode

Reference	Search Name	Item Name	€
0303300001	SFE-BK0/05	SFE Controller Black Twin Pilots	392,30
0303300002	SFE-BK201/05	SFE Controller Black 2 Pilots	601,38
0303300003	SFE-BK301/05	SFE Controller Black 3 pilots - outlet shut off	659,43
0303300004	SFE-BK0/06	SFE Meter Controller Black Twin Pilots	411,93
0303300014	SFE-BK201/06	SFE Meter Control. 2 Pilots	595,14
0303300016	SFE-BK301/06	SFE Meter Control. 3 Pilots outlet shut off	650,86
0303300017	SFE-BK409/05	SFE Control 4 Pilots outlet and brine line shut off	784,65
0303300018	SFE-BK409/06	SFE Meter Control 4 Pilots outlet and brine line shut off	784,65

SIATA VALVES

TIMER SFE-EV PRO

DESCRIPTION

SFE-EV Pro is an intuitive, easy to use and powerful controller thanks to its advanced programming options. It is available for both **simplex** and **duplex** applications. It's programmable relays and a useful remote start signal dramatically increase it's performance. Furthermore, the backlit LCD display can be customized and also accomodate any customers logo or company's name.



FEATURES

- Covers higher volume demand applications
- Carry over of well-known SFE or SFE-EV functionalities
- 3 free contact relays, each one programmable in 12 different mode
- Ideal for customer specific applications
- For duplex and simplex systems

Reference	Search Name	Item Name	€
0303300015	SFVDPX502/05	5 Pilots SFE-EV Pro Duplex Controller	1.218,25

SIATA VALVES

SIATA V132

DESCRIPTION

V132 is a residential valve with the flow rate up to 7 m³/h. It features quick connect clips allowing an easy installation and maintenance. In addition V132 has options including mixing device (perfect for residential softeners up to 800 L/h flow rate), a backwash flow control (for filter and demineralization installations) or a control pressure replicator (for any special applications).



FEATURES

- Valve body in ABS material
- Flow rate of mixing device for residential softeners is up to 800 L/h (up to Ø 10")
- Quick connect clips
- Control pressure replicator

VALVE SPECIFICATIONS

Service Flow	7 m ³ /h
Backwash Flow Rate	3.3 m ³ /h
Operating Pressure	1.5 - 6 bar
Valve Material	Glassfiber reinforced ABS
Colours	Blue / Black
Valve Mounting	Top Mounting

STANDARD BLUE VERSION

Reference	Search Name	Item Name	€
0302134179	V132F/05#F5	V132 Valve Body Filter	235,00
0302134168	V132D-04/05	V132 Valve Body, demi-anion	401,79
0302134169	V132D-05/05	V132 Valve Body, demi-cation	384,48
0302130003	V132A-BFE/05*	V132 Softening Valve Assy Ext Thread Ports	on request
0302130004	V132A/05*	V132 Softening Valve Assy Twin Pilots	235,00
0302130005	V132E-05/05*	V132 Duplex Valve Assy 5 Connections	279,14
0302130007	V132T/05*	V132 Softening Valve Assy with Turbine	270,36

Top and bottom distributor included, riser tube not included. - Connections must be ordered separately.
Please specify the desired injector and flow controller

SIATA VALVES

SIATA V132

CONNECTIONS

Reference	Search Name	Item Name	€
0303294539	2265-B/05	Fitting Kit 1" Female - Threaded	on request
0303294540	2265-C/05	Fitting Kit 1 1/4" Female - Threaded	on request
0303294545	2265-K-DW/05	Fitting Kit 1 1/2" Female - Threaded	8,08
0303294538	2265-A/05	Fitting Kit 3/4" Female - Threaded	on request
0303294542	2265-GB/05	Fitting Kit 1" Solvent Weld 33.6mm	14,15
0303294546	494-B/05	Fitting Kit PVC 2" Valve Side - 1" 1/4 Pipe Side	22,82
0303294548	494-F/05	Fitting Kit Brass 2" Valve Side > 1" 1/2 Male	49,72
0303294547	494-C/05	Fitting Kit PVC 2" Valve Side - D40 Female	22,62

ACCESSORIES

Reference	Search Name	Item Name	€
0402012685	1001-32I	V132 Top Distributor (Ø32 mm)	7,00
0402012686	1002-D32	V132 Bottom Distributor (Ø32 mm)	11,40

SIATA VALVES

SIATA V230

DESCRIPTION

V230 is a commercial valve with the flow rate up to 8.5 m³/h. It's union connections allow an easy installation and maintenance. The valve is suitable for simplex, duplex or multiplex softening systems, as well as for filtration, demineralization, dealkalisation or iron & manganese removal applications and is compatible with the entire SIATA controller range.



FEATURES

- Valve body in ABS material
- Control pressure replicator
- Internal turbine option
- Flow rate is up to 8.5 m³/h
- Compatible with the entire SIATA controller range

VALVE SPECIFICATIONS

Service Flow	8.5 m ³ /h
Backwash Flow Rate	4 m ³ /h
Operating Pressure	1.5 - 6 bar
Valve Material	Glassfiber reinforced ABS
Colours	Black or Blue
Valve Mounting	Top Mounting

Reference	Search Name	Item Name	€
0302234185	V230F/05	V230 Filter Valve Body Assy	510,04
0302234186	V230T/05	V230 Volumetric Valve Body Assy	575,98

Top and bottom distributor included, riser tube not included. - Connections must be ordered separately.
Please specify the desired injector and flow controller

SIATA VALVES

SIATA V230

CONNECTIONS

Reference	Search Name	Item Name	€
0303294546	494-B/05	Fitting Kit PVC 2" Valve Side - 1" 1/4 Pipe Side	22,82
0303294547	494-C/05	Fitting Kit PVC 2" Valve Side - D40 Female	22,62

ACCESSORIES

Reference	Search Name	Item Name	€
0402012695	1005-A/05	V230 Top Distributor (0.3 mm)	86,22
0402012697	1006-A/05	V230 Bottom Filter (0.3 mm)	93,36

SIATA VALVES

SIATA V250

DESCRIPTION

V250 is a top mounted valve, with the flow rate up to 21 m³/h. It is suitable for residential and commercial softening, demineralisation, dealkalisation applications, as well as filtration systems and is compatible with most of the SIATA controller range. Two valve versions are available: with or without a bypass to service in regeneration or during high flow service.



FEATURES

- Valve body in ABS material
- Flow rate is up to 21 m³/h
- 2 versions available: with or without by-pass
- Compatible with the majority of SIATA controller range

VALVE SPECIFICATIONS

Service Flow	21 m³/h
Backwash Flow Rate	12 m³/h
Operating Pressure	1.5 - 6 bar
Valve Material	Glassfiber reinforced ABS
Valve Mounting	Top Mounting

Reference	Search Name	Item Name	€
0302254200	V250A-BP/05	V250 Softening Valve Assy	1.362,22
0302254201	V250A-NBP/05#N	V250 Softener Valve (No Service Bypass) - Black Injector	1.470,61
0302254202	V250D-NBP/05#N	V250 Deionisation Valve (No Service Bypass) - Black Injector	1.624,08
0302250001	V250A-NBP/05#B	V250 Softener Valve (No Service Bypass) - Blue Injector	1.432,40
0302250003	V250F-NBP/05	V250 Filter Valve (No Service Bypass)	1.414,27

Top and bottom distributor included, riser tube not included. - Connections must be ordered separately.

SIATA VALVES

SIATA V250

CONNECTIONS

Reference	Search Name	Item Name	€
0303294551	494-A/05	Kit Fitting PVC 2" 1/4 Valve side > 50 mm glued	22,82
0303294553	494-H/05	Kit Fitting PVC 2" 1/4 Valve Side > 1" 1/2 Female	25,22
0402012865	5228/05	DLFC Siata 1" 1/2 BSPM	125,86
0402031072	Brine line 3/8" 250	Brine line connection 3/8" Siata 250-260 (75-150L)	17,49
0402031073	Brine line 1/2" 250	Brine line connection 1/2" Siata 250-260 (200-500L)	21,69

ACCESSORIES

Reference	Search Name	Item Name	€
0402012853	5200-A/05	V250A Top distributor (0.3 mm)	105,37
0402012856	5201-A/05	V250A Bottom distributor (0.3 mm)	61,70

AQ MATIC VALVES



AQ MATIC VALVES

V42

DESCRIPTION

3/4- to 6-inch "Y" Pattern Diaphragm Valve

Cast Iron or Cast Brass Body and Cap



FEATURES

- Large Seat opening and high lift-disc for higher flow rates at a lower pressure loss
- Separate flow and control chambers permit positive closing without springs; and only nominal cost for spring assist opening for low-pressure and self-draining applications
- Separate diaphragm chambers protects the diaphragm from the flow stream, while allowing the valve to be serviced in-line
- Constructed of cast iron, brass, stainless steel and Nitrile elastomer components, giving an unparalleled service life
- 3/4-inch through 3-inch threaded (N.P.T. or B.S.P.); 3-inch through 6-inch flanged drilled in accordance with ASA16.1 class 125, or BSP4504
- Compatible with wide range of line fluids including air or water applications
- Can be actuated with either air or water as control fluid

Reference	Search Name	Item Name	€
1901016578	1072585	Aquamatic V42B 3/4" NC	265,36
1901016574	1070046	Aquamatic V42B 3/4" NO	241,47
1901016585	1072684	Aquamatic V42C 1" NC	269,26
1901016580	1070047	Aquamatic V42C 1" NO	245,36
1901016591	1072739	Aquamatic V42D 1.25" NC	349,42
1901016588	1072736	Aquamatic V42D 1.25" NO	323,15
1901016599	1072839	Aquamatic V42E 1.5" NC	352,89
1901016594	1070048	Aquamatic V42E 1.5" NO	326,57
1901016608	1072908	Aquamatic V42F 2" NC EPDM (425)	583,65
1901016602	1070049	Aquamatic V42F 2" NO (425)	556,81
1901016624	1073018	Aquamatic V42H 2"1/2 NC EPDM	637,92
1901016616	1070050	Aquamatic V42H 2"1/2 NO	604,98
1901016630	1073070	Aquamatic V42J 3" NC	897,88
1901016632	1070044	Aquamatic V42J 3" NO ASTM	1.053,63

AQ MATIC VALVES

CONNECTION SET AND ACCESSORIES

KIT DIAPHRAGM AND JOINTS

Reference	Search Name	Item Name	€
2001009649	1070068	Kit Diaphragm + Joints Buna 421-RA	52,71
2001009651	1070069	Kit Diaphragm + Joints Buna 424-RA	52,71
2001006891	1070070	Kit Diaphragm + Joints Buna 425-RA	74,40
2001006915	1070071	Kit Diaphragm + Joints Buna 426-RA	98,78
2001006935	1070072	Kit Diaphragm + Joints Buna 427-RA	133,62
2001006949	1070073	Kit Diaphragm + Joints Buna 428-RA	185,57

INTERNAL PARTS KIT NO

Reference	Search Name	Item Name	€
2001006849	1070118	Internal Parts Kit No 421-RF	105,73
2001006872	1070119	Internal Parts Kit No 424-RF	154,09
2001006895	1070120	Internal Parts Kit No 425-RF	279,25
2001006918	1070121	Internal Parts Kit No 426-RF	387,31
2001006939	1070122	Internal Parts Kit No 427-RF	525,01
2001000490	1070123	Internal Parts Kit No 428-RF	885,19

INTERNAL PARTS KIT NC

Reference	Search Name	Item Name	€
2001006850	1070129	Internal Parts Kit Nc 421-RG	136,81
2001006873	1070130	Internal Parts Kit Nc 424-RG	163,17
2001006896	1070131	Internal Parts Kit Nc 425-RG	297,34
2001006919	1070132	Internal Parts Kit Nc 426-RG	383,93
2001006940	1070133	Internal Parts Kit Nc 427-RG	589,06
2001006953	1070134	Internal Parts Kit Nc 428-RG	921,45

AQ MATIC VALVES

K52

DESCRIPTION

1/2-inch to 2 1/2-inch "Y" pattern diaphragm valves
Glass-filled thermoplastic body and cap



FEATURES

- Large Seat opening and high lift-disc for higher flow rates at a lower pressure loss
- Separate flow and control chambers permit positive closing without springs; and only nominal cost for spring assist opening for low-pressure and self-draining applications
- Separate diaphragm chambers protects the diaphragm from the flow stream, while allowing the valve to be serviced in-line
- All internal parts in contact with media are made of composite materials
- Can be actuated with either air or water as control fluid
- Designed for water treatment applications including those requiring acids, caustic and harsh chemicals that would rapidly corrode metal valves

Reference	Search Name	Item Name	€
1901026662	1071084	Aquamatic K520 0.5" NC SAO EPDM	163,86
1901026656	1070143	Aquamatic K520 0.5" NO SAC EPDM	173,15
1901026653	1070140	Aquamatic K520 0.5" NO SAO EPDM	130,89
1901026684	1070159	Aquamatic K521 1" NC EPDM	209,69
1901026668	1070154	Aquamatic K521 1" NO EPDM	181,85
1901026686	1070160	Aquamatic K521 1" NC SAC EPDM	218,93
1901026685	1071148	Aquamatic K521 1" NC SAO EPDM	215,10
1901026697	1070172	Aquamatic K524 1.5" NC EPDM	372,55
1901026688	1070168	Aquamatic K524 1.5" NO EPDM	330,41
1901026699	1071215	Aquamatic K524 1.5" NC SAC EPDM	387,08
1901026698	1071213	Aquamatic K521 1.5" NC SAO EPDM	375,77
1901026705	1071256	Aquamatic K526 2.5" NC EPDM	936,32
1901026701	1070180	Aquamatic K526 2.5" NO EPDM	883,50
1901026703	1071246	Aquamatic K526 2.5" NO SAC EPDM	912,48
1901026702	1071242	Aquamatic K526 2.5" NO SAO EPDM	930,14

AQ MATIC VALVES

CONNECTION SET AND ACCESSORIES

CONNECTION SET AND ACCESSORIES FOR K52

Reference	Search Name	Item Name	€
2001007170	1070204	Connection 1" Iso EPDM - 2 Pieces	103,27
2001007184	1070212	Connection 1" 1/2 Iso EPDM - 2 Pieces	103,27
2001007154	1070190	Connection 1/2" Iso EPDM - 2 Pieces	65,71
2001009665	1079622	Internal Parts Kit K521-RGN	125,33
2001007195	1070298	Internal Parts Kit K524-RFN	153,60
2001007212	1079621	Internal Plastic Parts Kit 521 - 1"	113,02
2001007204	1070299	Internal Plastic Parts Kit 526 - 2" 1/2	268,10
2001007196	1076307	Internal Plastic Parts Kit Nc	182,95
2001003405	1070269	Aquamatic 526 - 63mm Adaptor	316,67
2001000485	1070274	Diaphragm & Seals Kit K524 EPDM	85,48
2001007165	1079600	Repair kit without diaphragm & Joints	88,66

ACCESSORIES FOR VALVES



ACCESSORIES FOR VALVES

ACCESSORIES

DISTRIBUTOR HEADS

Reference	Config	Search Name	Item Name	€
0306010018		D7171	Clack distributor head for 3/4" opening	49,88
0306015510		D7173	Clack distributor head for 3/4" opening + 3/4" side opening	55,14
0208010011		D1203-01	287F Top Distributor 13/16 - Bayonet System	3,40
6101080729		Bottom Dist. 3/4"	Bottom distributor & riser tube for clack distributor head 3/4" opening	27,32
0306010016		D1226	Clack distributor head for 1" opening In/Out	81,71
5302034077		D1400	Clack In/Out head	72,08
5302034078		D1220-01	Clack In/Out head with refill port & spanner	140,54
0208010010		D1203	Top distributor 1"	3,03
6101080854		Bottom Dist. 1" 1m	Bottom Distributor 1" + 1m Tube	11,73
5303026540		V3007-14	WS1 Fitting 3/4" Plastic Male BSPT assy	23,32
5303024082		V3007-06	WS1 Fitting 1" Plastic Male BSPT assy	23,32
5303024081		V3007-08	WS1 Fitting 1.25" Plastic Male BSPT assy	23,71
0207040004		ANA5-G2"	Distribution Head ANA5-G2"	225,42



D7171



D7173



D1226



D1400



D1220-01

ACCESSORIES FOR VALVES

ACCESSORIES

MIXING VALVES

Reference	Search Name	Item Name	€
0407016068	0952001	Banides valve (Monotête) 3/4" - to be mounted as external by-pass	185,26
0407016070	0952020	Banides valve (Monotête) 4/4" - to be mounted as external by-pass	305,81
0408016172	6102010	Oventrop valve 1 1/4" - to be mounted as external by-pass	391,81
0408016173	6102016	Oventrop valve 2" - to be mounted as external by-pass	562,11
0401161122	BU61564-10*	Fleck Mixing 1" BSP	175,44

RESILITE

Reference	Search Name	Item Name	€
4102006479	R7046-200K	Resilite 200K (110 volt)	154,23
4102007754	R7046-500K	Resilite 500K (110 volt)	216,38
4002056334	002/022030	Transfo 110/220 volt	58,28

ACCESSORIES FOR VALVES

ACCESSORIES

MANUAL VALVES RUNXIN



F56A



F56E



F56F

Reference	Search Name	Item Name	€
0309000001	2970002	Manual valve Runxin F56A 1 "	50,76
0309000002	2970030	Manual valve Runxin F56E 3/4" BSP	25,36
0309000008	2970041	Manual Filter valve Runxin TM 56F 1 "	51,77

ACCESSORIES FOR VALVES

EASY CONNECT

FEATURES

- Compact all-in-one system
- Easy installation
- Shorter installation time
- Less connections, reduces the risk of leaks



Easy Connect

Reference	Item Name	Conn.	Height mm	Length mm	€
3913000089	Easy Connect 1" x 1" - no fixed mixing - no test valve	DN25	172	166	219,99
3913000092	Easy Connect 1" x 1" - no fixed mixing - test valve	DN25	172	166	262,59
3913000027	Easy Connect 1" x 1" - fixed mixing - no test valve	DN25	172	166	249,42
3913000096	Easy Connect 1" x 1" - fixed mixing - test valve	DN25	172	166	241,89
3913000091	Easy Connect 1" 1/4 x 1" - no fixed mixing - no test valve	DN32 x DN25	173	200	259,59
3913000097	Easy Connect 1" 1/4 x 1" - fixed mixing - test valve	DN32 x DN25	173	200	on request
3913000029	Easy Connect 1" 1/4 x 1" 1/4 - fixed mixing - no test valve	DN32	174	200	295,35
3913000112	Easy Connect 1" 1/4 x 1" 1/4 - fixed mixing - test valve	DN32	174	200	331,14
3913000090	Easy Connect 1" 1/2 x 1" 1/2 - no fixed mixing - no test valve	DN40	176	216	299,13
3913000026	Easy Connect 1" 1/2 x 1" 1/2 - fixed mixing - no test valve	DN40	176	216	331,74
3913000017	Easy Connect 1" 1/2 x 1" 1/2 - fixed mixing - test valve	DN40	176	216	364,83
3913000018	Easy Connect 2" x 2" - fixed mixing - test valve	DN50	219	256	764,49

ACCESSORIES FOR VALVES

EASY CONNECT



EASY CONNECT WITH DIFFERENTIAL PRESSURE VALVE

Reference	Item Name	Conn.	Height mm	Length mm	€
3913000016	Easy Connect 1" x 1" - differential pressure valve - test valve	DN25	160	166	327,51
3913000038	Easy Connect 1"1/4 x 1"1/4 - differential pressure valve - test valve	DN32	162	200	373,71
3913000015	Easy Connect 1"1/2 x 1"1/2 - differential pressure valve - fixed mixing - test valve	DN40	164	216	388,14

SPARE PARTS AND ACCESSORIES EASY CONNECT

Reference	Item Name	€
3913000040	Valve head for Easy Connect	on request
3913000074	Test vale for Easy Connect	14,97
3913000071	Mixing for Easy Connect	16,23
3913000073	Differential pressure valve for Easy Connect	75,09

ACCESSORIES FOR VALVES

BYPASS PROPORTIONAL MIXING

DESCRIPTION

Mixing valves are installed in the bypass line.

This mixing maintains the preset hardness of the mixed water, regardless of the volume demand and pressure variations.

Precise adjustment of the desired residual hardness is done during commissioning. In the case of a significant change in the hardness of the water delivered by the drinking water treatment plant for example, it will be necessary to re-adjust the softener and the mixing valve.



Reference	Item Name	Conn.	Height mm	Length mm	€
3913000021	Bypass Proportional Mixing Valve DN32	DN32	116	130	158,82
3913000033	Bypass Proportional Mixing Valve DN50	DN50	144	145	282,57

COMPONENTS

Vessels & Distribution Systems	393
Cabinets & Brine Tanks	429
Filters & cartridges	453
Hoses	491
Dosing equipment	501
Filter media & resin	509
Membrane & membrane housings	527

VESSELS & DISTRIBUTION SYSTEMS

Thanks to our many years experience of distribution in the water treatment market, our range stands out in quality and competitive pricing.

Our vessels offer an unmatched strength and chemical resistance and cover a wide range of water softening and filtration applications for residential, commercial and industrial use. PWG has a large inventory to assure quick availability.

In this chapter we give you an overview of our most common tanks. Do not hesitate to contact us for any specials.

OUR ADDED VALUE

- Certified
- Multibrand
- Immediately available
- Competitive
- Customizable depending on volume

TYPES

- PWG Vessels
- Structural vessels
- WellMate pressure vessels
- Galvanised vessels
- SteelPex vessels
- Stainless Steel vessels



VESSELS & DISTRIBUTION SYSTEMS

PWG VESSELS

FEATURES

- For commercial & industrial water treatment and storage
- 100% composite fiberglass construction
- Outstanding performance and durability in harsh chemical environments
- Unlike steel vessels they absolutely will not and cannot rust
- Requires little or no maintenance
- Capacities up to 1830 liters
- Flange and threaded connections available



RESIDENTIAL COMPOSITE PWG VESSEL 2.5" THREADED TOP

Reference	Item Name	Diameter mm	Total Height* mm	Volume L	€
0116000054	PWG vessel 06x35 2.5" with base	170	905-909	14.4	120,52
0116000055	PWG vessel 06x35 2.5" without base	170	905-909	14.4	117,00
0116000056	PWG vessel 07x13 2.5" with base	184	339-343	6.3	98,25
0116000057	PWG vessel 07x13 2.5" without base	184	339-343	6.3	93,85
0116000012	PWG vessel 07x17 2.5" without base	184	444-448	8.8	94,08
0116000006	PWG vessel 07x30 2.5" with base	195	776-780	16.8	131,83
0116000009	PWG vessel 07x30 2.5" without base	195	776-780	16.8	127,35
0116000002	PWG vessel 07x35 2.5" with base	195	899-903	20.4	123,57
0116000013	PWG vessel 07x35 2.5" without base	195	899-903	20.4	119,18
0116000047	PWG vessel 08x13 2.5" with base	220	345-349	8.2	102,74
0116000015	PWG vessel 08x17 2.5" with base	220	433-437	11	107,31
0116000008	PWG vessel 08x17 2.5" without base	220	433-437	11	101,38
0116000053	PWG vessel 08x18 2.5" without base	220	445-449	11.4	118,60
0116000007	PWG vessel 08x30 2.5" without base	220	781-785	22	137,99
0116000005	PWG vessel 08x35 2.5" with base	220	900-904	25.7	144,17
0116009646	PWG vessel 08x35 2.5" without base	220	900-904	25.7	137,20
0116000035	PWG vessel 08x44 2.5" with base	220	1122-1126	33.6	153,47
0116000003	PWG vessel 09x35 2.5" with base	247	901-905	31.3	166,13

* In some cases height of the vessels may vary slightly (circa 1 à 2%)

VESSELS & DISTRIBUTION SYSTEMS

PWG VESSELS



Reference	Item Name	Diameter mm	Total Height* mm	Volume L	€
0116000001	PWG vessel 09x35 2.5" without base	257	891	31.6	159,64
0116000010	PWG vessel 10x17 2.5" without base	257	432	16.5	115,65
0116000016	PWG vessel 10x17 2.5" with base	257	434	16.5	124,94
0116000004	PWG vessel 10x35 2.5" with base	269	901-905	38.9	161,71
0116000014	PWG vessel 10x35 2.5" without base	269	901-905	38.9	152,10
0116000017	PWG vessel 10x44 2.5" with base	269	1120-1124	48	192,01
0116007376	PWG vessel 10x54 2.5" with base	269	1383-1387	60.7	207,33
0116000043	PWG vessel 12x48 2.5" with base	315	1229-1235	75.6	255,96
0116000039	PWG vessel 12x52 2.5" with base	315	1332-1338	84	280,16
0116000018	PWG vessel 13x54 2.5" with base	341	1368-1374	103.1	345,06

* In some cases height of the vessels may vary slightly (circa 1 à 2%)

VESSELS & DISTRIBUTION SYSTEMS

PWG VESSELS WITH DOME HOLE



COMPOSITE PRESSURE VESSELS WITH DOME HOLE

Reference	Config.	Item Name	Diameter mm	Height mm	Vol. L	€
0108010038		10x44 Tank - dome hole 1.25" - Blue	264	1132	50.1	186,97
0108018088	BLUE	10x54 Tank - dome hole 1.25" - Blue	264	1391	62.4	192,04
0108010042		12x52 Tank - dome hole 1.25" - Blue	310	1344	87.3	228,46
0108010043		13x54 Tank - dome hole 1.25" - Blue	338	1404	105.7	240,62
0108010055	Blue	16x65 Tank - dome hole 1.25" - Blue	416	1867	194	360,23
0108010055	Nat	16x65 Tank - dome hole 1.25" - Natural	416	1867	194	362,53

VESSELS & DISTRIBUTION SYSTEMS

STRUCTURAL VESSELS

FEATURES

- Manufactured from 100% white plastic material
- Long cycle life and low maintenance cost
- Light weight
- Easy installation and handling
- Comply to all drinkable water requirements
- Safety



RESIDENTIAL COMPOSITE POLYGLASS VESSEL 2.5" THREADED TOP

Reference	Item Name	Total Height mm	Volume L	€
0101013292	06x13 Polyglass pressure vessel 2.5" without base	319-323	4.6	63,91
0101013296	06x18 Polyglass pressure vessel 2.5" without base	452-456	6.9	78,37
0101013309	07x17 Polyglass pressure vessel 2.5" with base	444-448	8.8	88,94
0101013308	07x17 Polyglass pressure vessel 2.5" without base	428-432	8.8	64,96
0101013313	07x30 Polyglass pressure vessel 2.5" with base	776-780	16.8	111,16
0101013312	07x30 Polyglass pressure vessel 2.5" without base	760-764	16.8	79,80
0101013317	07x35 Polyglass pressure vessel 2.5" with base	899-903	20.4	81,81
0101013316	07x35 Polyglass pressure vessel 2.5" without base	883-887	20.4	79,05
0101013321	08x17 Polyglass pressure vessel 2.5" with base	433-437	11	60,92
0101013320	08x17 Polyglass pressure vessel 2.5" without base	416-420	11	69,44
0101013325	08x18 Polyglass pressure vessel 2.5" with base	428-432	11.4	69,45
0101013324	08x18 Polyglass pressure vessel 2.5" without base	428-432	11.4	71,98
0101013332	08x30 Polyglass pressure vessel 2.5" without base	764-768	22	80,37
0101013337	08x35 Polyglass pressure vessel 2.5" with base	900-904	25.7	86,46
0101013336	08x35 Polyglass pressure vessel 2.5" without base	883-887	25.7	83,71
0101013341	09x35 Polyglass pressure vessel 2.5" with base	901-905	31.3	111,16
0101013340	09x35 Polyglass pressure vessel 2.5" without base	883-887	31.3	107,82

VESSELS & DISTRIBUTION SYSTEMS

STRUCTURAL VESSELS



Reference	Item Name	Total Height mm	Volume L	€
0101013342	10x12 Polyglass pressure vessel 2.5" without base	315-319	11.5	81,20
0101013346	10x19 Polyglass pressure vessel 2.5" without base	481-485	19.1	on request
0101013357	10x35 Polyglass pressure vessel 2.5" with base	901-905	38.9	100,71
0101013356	10x35 Polyglass pressure vessel 2.5" without base	883-887	38.9	98,64
0101013370	10x44 Polyglass pressure vessel 2.5" with base	1120-1124	48	107,92
0101013372	10x54 Polyglass pressure vessel 2.5" with base	1383-1387	60.7	120,05
0101013374	12x48 Polyglass pressure vessel 2.5" with base	1229-1235	75.6	176,82
0101013359	13x54 Polyglass pressure vessel 2.5" with base	1367-1375	103.1	203,99

RESIDENTIAL COMPOSITE POLYGLASS VESSEL 2.5" THREADED TOP WITH DOME HOLE

Reference	Item Name	Volume L	€
0101070001	10x44 Tank - dome hole 1.25" - natural	48	228,25
0101070002	10x54 Tank - dome hole 1.25" - natural	60.7	291,24
0101070004	13x54 Tank - dome hole 1.25" - natural	103	496,65

Material: Polyethylene innerliner, glass-epoxy Laminate
Colour: RAL5015

An Aeration valve A-AV-150PP is included for all Structural vessels starting from 30"

VESSELS & DISTRIBUTION SYSTEMS

STRUCTURAL VESSELS



INDUSTRIAL COMPOSITE STRUCTURAL VESSEL 4" THREADED TOP

Reference	Item Name	Total Height mm	Volume L	€
0101023379	14x65 Threaded composite pressure vessel 4" top only	1630-1660	140	360,90
0101023380	16x49 Threaded composite pressure vessel 4" top only	1260-1278	128	669,71
0101023381	16x65 Threaded composite pressure vessel 4" top only	1615-1650	170	403,74
0101023382	18x65 Threaded composite pressure vessel 4" top only	1706-1746	250	646,32
0101023383	21x36 Threaded composite pressure vessel 4" top only	1010-1040	164	1.072,71
0101023384	21x60 Threaded composite pressure vessel 4" top only	1610-1640	309	784,02
0101023385	24x69 Threaded composite pressure vessel 4" top only	1850-1890	436	1.326,17

INDUSTRIAL COMPOSITE STRUCTURAL VESSEL 4" THREADED TOP WITH M20 DOME OPENING

Reference	Item Name	Total Height mm	Vol. L	€
0101023397	14x43 Threaded composite pressure vessel 4" top with M20 dome opening		93	1.090,13
0101023399	14x65 Threaded composite pressure vessel 4" top with M20 dome opening	1630-1660	140	788,96
0101023400	16x49 Threaded composite pressure vessel 4" top with M20 dome opening	1260-1278	128	1.763,90
0101023401	16x65 Threaded composite pressure vessel 4" top with M20 dome opening	1615-1650	170	1.346,05
0101023402	18x65 Threaded composite pressure vessel 4" top with M20 dome opening	1706-1746	250	1.972,34
0101023404	21x60 Threaded composite pressure vessel 4" top with M20 dome opening	1610-1640	309	1.708,59
0101023405	24x69 Threaded composite pressure vessel 4" top with M20 dome opening	1850-1890	436	2.464,72

VESSELS & DISTRIBUTION SYSTEMS

STRUCTURAL VESSELS



INDUSTRIAL COMPOSITE STRUCTURAL VESSEL 4" THREADED TOP & BOTTOM

Reference	Item Name	Total Height mm	Vol. L	€
0101023388	14x65 Threaded composite pressure vessel 4" top - 4" bottom standard	2023-2053	147.2	565,18
0101023390	16x65 Threaded composite pressure vessel 4" top - 4" bottom standard	2017-2057	194.5	694,90
0101023391	18x65 Threaded composite pressure vessel 4" top - 4" bottom standard	1875-1900	245	769,50
0101023392	21x36 Threaded composite pressure vessel 4" top - 4" bottom standard	1151-1181	164	2.364,91
0101023393	21x60 Threaded composite pressure vessel 4" top - 4" bottom standard	1750-1780	310	996,16
0101023394	24x69 Threaded composite pressure vessel 4" top - 4" bottom standard	2000-2030	435	1.735,92
0101023395	30x72 Threaded composite pressure vessel 4" top - 4" bottom standard	2020-2060	712	2.366,23
0101023396	36x72 Threaded composite pressure vessel 4" top - 4" bottom standard	2120-2160	1072	3.200,50

INDUSTRIAL COMPOSITE STRUCTURAL VESSEL 4" THREADED TOP & BOTTOM WITH M20 DOME OPENING

Reference	Item Name	Total Height mm	Vol. L	€
0101023406	30x72 Threaded composite pressure vessel 4" top - 4" bottom with M20 dome opening	2010-2050	712	5.175,08

Material: Polyethylene innerliner, glass-epoxy Laminate
Colour: RAL5015

An Aeration valve A-AV-150PP is included for all Structural vessels starting from 30"

VESSELS & DISTRIBUTION SYSTEMS

STRUCTURAL VESSELS



INDUSTRIAL COMPOSITE STRUCTURAL VESSEL 6" FLANGED TOP

Reference	Item Name	Total Height mm	Volume L	€
0101033413	14x68 Flanged composite pressure vessel 6" top only	1693-1713	138	1.091,38
0101033417	24x75 Flanged composite pressure vessel 6" top only	1898-1918	450	1.286,91
0101033418	30x78 Flanged composite pressure vessel 6" top only	2043-2073	710	1.703,89
0101033419	36x78 Flanged composite pressure vessel 6" top only	2119-2149	1020	2.251,51
0101033420	42x78 Flanged composite pressure vessel 6" top only	2050-2090	1360	6.326,88
0101033421	48x82 Flanged composite pressure vessel 6" top only	2103-2133	1840	7.913,88

VESSELS & DISTRIBUTION SYSTEMS

STRUCTURAL VESSELS



INDUSTRIAL COMPOSITE STRUCTURAL VESSEL 6" FLANGED TOP & BOTTOM

Reference	Item Name	Total Height mm	Volume L	€
0101033426	24x75 Flanged composite pressure vessel 6" top - 6" bottom standard	2210-2230	450	1.494,05
0101033427	30x78 Flanged composite pressure vessel 6" top - 6" bottom standard	2270-2300	710	1.936,04
0101033428	36x78 Flanged composite pressure vessel 6" top - 6" bottom standard	2310-2350	1020	2.512,50
0101033429	42x78 Flanged composite pressure vessel 6" top - 6" bottom standard	2382-2422	1360	3.810,66
0101033430	48x82 Flanged composite pressure vessel 6" top - 6" bottom standard	2420-2465	1840	4.464,49
0101033431	55x104 Flanged composite pressure vessel 6" top - 6" bottom standard	2641-2681	2619	12.162,16
0101033435	63x103 Flanged composite pressure vessel 6" top - 6" bottom standard	3230-3270	4265	19.628,71

Material: Polyethylene innerliner, glass-epoxy Laminate
Colour: RAL5015

An Aeration valve A-AV-150PP is included for all Structural vessels starting from 30"

VESSELS & DISTRIBUTION SYSTEMS

VINYLESTER VESSELS

FEATURES

- For commercial & industrial water treatment and storage
- Polyster construction
- Unlike steel vessels they absolutely will not and cannot rust
- Max. temperature: 65°C



Reference	Item Name	Diam x Height mm	Volume L	€
0101053498	06x13 2,5" Vinylester without base	159 x 323	4.6	117,37
0101053507	07x35 2,5" Vinylester with base	184x 903	21.1	333,03
0101053511	08x17 2,5" Vinylester with base	208 x 437	12.1	207,17
0101053510	08x17 2,5" Vinylester without base	208 x 420	12.1	153,91
0101053519	08x35 2,5" Vinylester with base	208 x 903	27.2	244,61
0101053518	08x35 2,5" Vinylester without base	208 x 887	27.2	238,22
0101053529	09x35 2,5" Vinylester with base	233 x 905	33.9	276,58
0101053528	09x35 2,5" Vinylester without base	233 x 887	33.9	240,31
0101053531	10x19 2,5" Vinylester with base	257 x 485	20	286,38
0101053535	10x35 2,5" Vinylester with base	257 x 905	40.1	319,45
0101053534	10x35 2,5" Vinylester without base	257 x 887	40.1	299,17
0101053537	10x44 2,5" Vinylester with base	257 x 1124	51.7	369,72
0101053538	10x54 2,5" Vinylester with base	257 x 1387	63.8	405,49
0101053540	13x54 2,5" Vinylester with base	334 x 1375	105.5	792,59

Colour: RAL5015

VESSELS & DISTRIBUTION SYSTEMS

POLYESTER VESSELS



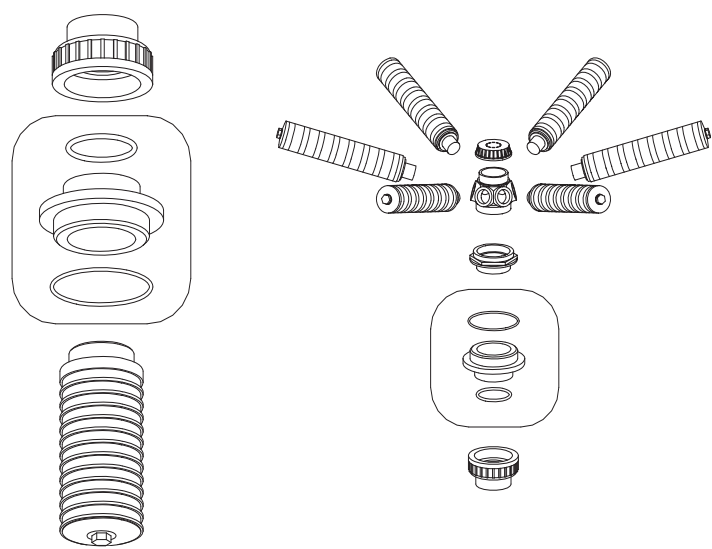
Reference	Item Name	Height mm	Volume L	€
0101053613	13x54 Residential polyester vessel 4" with base	1385	105.5	767,27

Colour: RAL5015

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR PWG VESSELS

4" THREADED OPENING ADAPTOR UNION 63 MM GLUE CONNECTION (SIDE MOUNT)

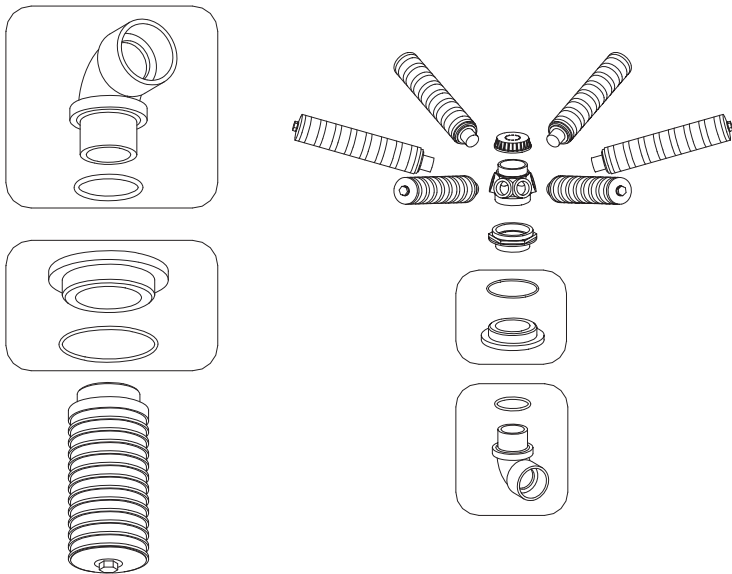


Reference	Item Name	Slot Size mm	€
0201023758	Top distributor 4" with 63 mm union for vessel 14-36" (0.2 mm)	0.2	366,15
0201023770	Bottom distributor 4" with 63 mm union for vessel 21-24" (0.2 mm)	0.2	416,74
0201023772	Bottom distributor 4" with 63 mm union for vessel 30" (0.2 mm)	0.2	443,14
0201023774	Bottom distributor 4" with 63 mm union for vessel 36" (0.2 mm)	0.2	463,47
0201023759	Top distributor 4" with 63 mm union for vessel 14-36" (0.5 mm)	0.5	366,15
0201023771	Bottom distributor 4" with 63 mm union for vessel 21-24" (0.5 mm)	0.5	415,23
0201023773	Bottom distributor 4" with 63 mm union for vessel 30" (0.5 mm)	0.5	451,14
0201023775	Bottom distributor 4" with 63 mm union for vessel 36" (0.5 mm) (until depletion of stock)	0.5	424,70

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR PWG VESSELS

4" THREADED TOP & BOTTOM TO 63 MM GLUE CONNECTION WITH ELBOW



Reference	Item Name	Slot Size mm	€
0201023740	Top distributor 4" with 63 mm elbow for vessel 14" - 36" (0.2 mm)	0.2	137,79
0201023750	Bottom distributor 4" with 63 mm elbow for vessel 14" - 16" - 18" (0.2 mm)	0.2	218,74
0201023752	Bottom distributor 4" with 63 mm elbow for vessel 21" - 24" (0.2 mm)	0.2	277,03
0201023754	Bottom distributor 4" with 63 mm elbow for vessel 30" (0.2 mm)	0.2	301,93
0201023756	Bottom distributor 4" with 63 mm elbow for vessel 36" (0.2 mm)	0.2	317,25
0201023741	Top distributor 4" with 63 mm elbow for vessel 14" - 36" (0.5 mm)	0.5	135,38
0201023751	Bottom distributor 4" with 63 mm elbow for vessel 14" - 16" - 18" (0.5 mm)	0.5	218,74
0201023753	Bottom distributor 4" with 63 mm elbow for vessel 21" - 24" (0.5 mm)	0.5	276,10
0201023755	Bottom distributor 4" with 63 mm elbow for vessel 30" (0.5 mm)	0.5	301,93
0201023757	Bottom distributor 4" with 63 mm elbow for vessel 36" (0.5 mm)	0.5	317,25

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR PWG VESSELS

4" THREADED TOP FOR TOP MOUNTED VALVE WITH RISER TUBE 50 MM/63 MM

Reference	Item Name	Slot Size mm	€
0201023780	Riser tube with threaded lateral system 50 mm for 14" - 16" - 18" vessels	0.2	135,65
0201023781	Riser tube with threaded lateral system 50 mm for 21" and 24" vessels	0.2	168,24
0201023782	Riser tube with threaded lateral system 50 mm for 30" vessels	0.2	174,51
0201023783	Riser tube with threaded lateral system 50 mm for 36" vessels	0.2	209,02
0201023790	Riser tube with threaded lateral system 63 mm for 30" vessels	0.2	217,14
0201023791	Riser tube with threaded lateral system 63 mm for 36" vessels	0.2	232,65

4" THREADED TOP FOR AUTOTROL MAGNUM VALVE WITH RISER TUBE 1" 1/2

Reference	Item Name	Slot Size mm	€
0201023792	Riser tube with threaded lateral system 1" 1/2 (magnum) for 14" - 16" - 18" vessels	0.25	663,13
0201023793	Riser tube with threaded lateral system 1" 1/2 (magnum) for 21" and 24" vessels	0.25	729,07
0201023794	Riser tube with threaded lateral system 1" 1/2 (magnum) for 30" vessels	0.25	698,03
0201023795	Riser tube with threaded lateral system 1" 1/2 (magnum) for 36" vessels	0.25	814,38

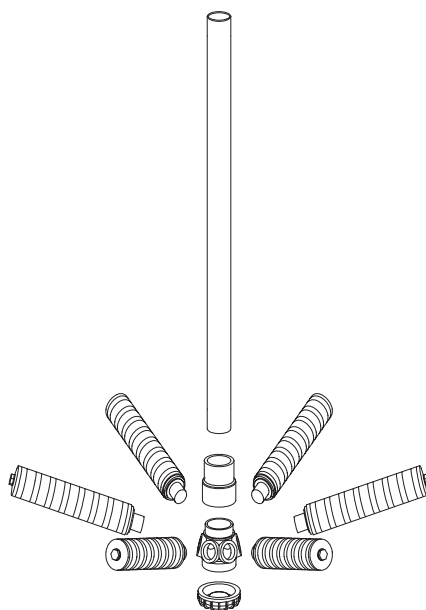
VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

6" THREADED BOTTOM TO 63 MM GLUE CONNECTIONS WITH ELBOW

Reference	Item Name	Slot Size (mm)	€
0201033802	Bottom distributor 6" thread with 63 mm elbow for vessel 30" 0,2 mm	0.2	324,17

6" FLANGED TOP FOR TOP MOUNTED VALVE WITH RISER TUBE 50 MM/90 MM

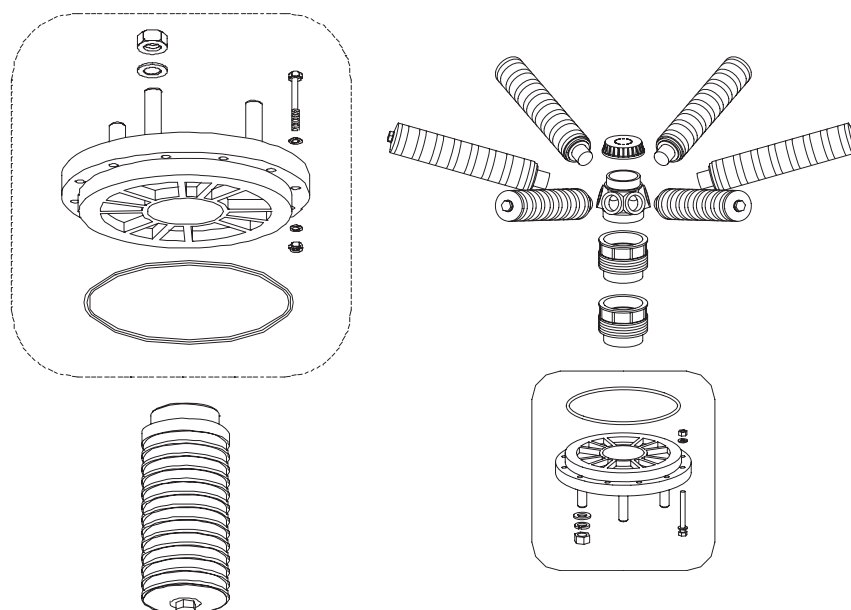


Reference	Item Name	Slot Size (mm)	€
0210000855	Riser tube 50 mm + lateral bottom distributor for 6" top vessels 21"-24" 0,2 mm	0.2	158,62
0201043840	Riser tube 90 mm + lateral bottom distributor for 6" top vessels 30" 0,2 mm	0.2	1.293,53
0201043841	Riser tube 90 mm + lateral bottom distributor for 6" top vessels 36" 0,2 mm	0.2	1.313,72
0201043842	Riser tube 90 mm + lateral bottom distributor for 6" top vessels 42" 0,2 mm	0.2	1.870,01
0201043843	Riser tube 90 mm + lateral bottom distributor for 6" top vessels 48" 0,2 mm	0.2	1.484,70

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

6" FLANGED TOP & BOTTOM TO DN65 FLANGE

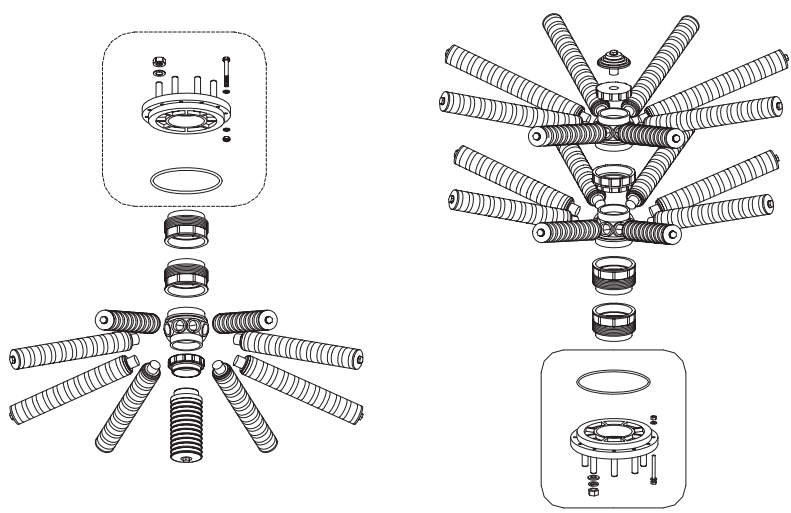


Reference	Item Name	Slot Size (mm)	€
0201043804	Top distributor 6" flange to DN65 flange for vessel 14"-36"	0.2	502,62
0201043806	Bottom distributor 6" flange to DN65 flange for vessel 14"-16"-18"	0.2	679,22
0201043808	Bottom distributor 6" flange to DN65 flange for vessel 21"-24"	0.2	685,19
0201043810	Bottom distributor 6" flange to DN65 flange for vessel 30"	0.2	713,34
0201043812	Bottom distributor 6" flange to DN65 flange for vessel 36"	0.2	725,36
0201043805	Top distributor 6" flange to DN65 flange for vessel 14"-36"	0.5	502,62
0201043809	Bottom distributor 6" flange to DN65 flange for vessel 21"-24"	0.5	628,99
0201043811	Bottom distributor 6" flange to DN65 flange for vessel 30"	0.5	713,34
0201043813	Bottom distributor 6" flange to DN65 flange for vessel 36"	0.5	725,36

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

6" FLANGED TOP & BOTTOM TO DN80 FLANGE



Reference	Item Name	Slot Size (mm)	€
0201043814	Top distributor 6" flange to DN80 flange for vessel 42"	0.2	1.005,23
0201043816	Top distributor 6" flange to DN80 flange for vessel 48"	0.2	1.047,42
0201043818	Top distributor 6" flange to DN80 flange for vessel 55"	0.2	1.085,50
0201043820	Top distributor 6" flange to DN80 flange for vessel 63"	0.2	1.101,53
0201043815	Top distributor 6" flange to DN80 flange for vessel 42"	0.5	1.005,23
0201043817	Top distributor 6" flange to DN80 flange for vessel 48"	0.5	1.047,42
0201043819	Top distributor 6" flange to DN80 flange for vessel 55"	0.5	1.085,50
0201043821	Top distributor 6" flange to DN80 flange for vessel 63"	0.5	1.101,53
0201043822	Bottom distributor 6" flange to DN80 flange for vessel 42"	0.2	1.175,78
0201043824	Bottom distributor 6" flange to DN80 flange for vessel 48"	0.2	1.197,86
0201043826	Bottom distributor 6" flange to DN80 flange for vessel 55"	0.2	1.366,45
0201043828	Bottom distributor 6" flange to DN80 flange for vessel 63"	0.2	1.383,46
0201043823	Bottom distributor 6" flange to DN80 flange for vessel 42"	0.5	1.175,78
0201043825	Bottom distributor 6" flange to DN80 flange for vessel 48"	0.5	1.197,86
0201043827	Bottom distributor 6" flange to DN80 flange for vessel 55"	0.5	1.366,45
0201043829	Bottom distributor 6" flange to DN80 flange for vessel 63"	0.5	1.383,46

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

6" FLANGED TOP & BOTTOM TO DN100 FLANGE

Reference	Item Name	Slot Size (mm)	€
0201043830	Top/bottom distributor 6" flange to DN100 flange for vessel 42" (0,2 mm)	0.2	1.428,58
0201043832	Top/bottom distributor 6" flange to DN100 flange for vessel 48" (0,2 mm)	0.2	1.479,76
0201043834	Top/bottom distributor 6" flange to DN100 flange for vessel 55" (0,2 mm)	0.2	1.599,78
0201043836	Top/bottom distributor 6" flange to DN100 flange for vessel 63" (0,2 mm)	0.2	1.615,78
0201043833	Top/bottom distributor 6" flange to DN100 flange for vessel 48" (0,5 mm)	0.5	1.586,93
0201043837	Top/bottom distributor 6" flange to DN100 flange for vessel 63" (0,5 mm)	0.5	1.612,25

DN200 FLANGED TOP & BOTTOM DN150 FLANGE

Reference	Item Name	Slot Size (mm)	€
0201053844	Top/bottom distributor DN200 flange to DN150 flange for vessel 55" (0,2 mm)	0.2	4.257,98

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

BASES FOR COMPOSITE/POLYESTER/VINYLESTER STRUCTURAL VESSELS

Reference	Item Name	€
0201103178	Base for composite vessel with diameter 6" (until depletion of stock)	10,43
0201101944	Base for composite vessel with diameter 7"	15,07
0201108371	Base for composite vessel with diameter 8"	24,63
0201102313	Base for composite vessel with diameter 9"	31,37
0201101188	Base for composite vessel with diameter 10"	37,58
0201101657	Base for composite vessel with diameter 13"	54,10
0201101159	Base for polyester/vinylester vessel with diameter 8"	10,22
0201103547	Base for polyester/vinylester vessel with diameter 9"	15,21
0201103548	Base for polyester/vinylester vessel with diameter 10"	12,77

BASES FOR COMPOSITE PWG VESSELS

Reference	Item Name	€
0223020001	Polyglass Foot Tank 7"	17,71
0223020002	Polyglass Foot Tank 8"	20,95
0223020003	Polyglass Foot Tank 9"	29,29
0223020004	Polyglass Foot Tank 10"	30,67

CARDBOARD BOXES

Reference	Item Name	€
4001015552	Cardboard for 1054 bottom	4,30
4001015548	Cardboard for 1054 cover	4,44
4001015574	Cardboard for 1354 bottom	4,97
4001015572	Cardboard for 1354 cover	5,45

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

ADAPTERS

Reference	Item Name	€
Flanged vessels		
0201103930	Adapter 6" flange - 2 1/2" thread with O-ring	201,59
0201103931	Adapter 6" flange - 4" thread with O-ring	206,94
0201103933	Adapter 6" flange - 6" thread with O-ring (incl. distributor)	907,08
0201103934	Adapter 6" flange - DN65	577,39
0201103935	Adapter 6" flange - DN80	697,89
0201103936	Adapter 6" flange - DN100	840,33
Threaded vessels		
0201102623	Adapter 4" - 2.5" thread with O-ring - for PWG Vessels 0118...	47,36
0223010002	Adapter 4" - 2.5" thread - for PWG Vessels 0116...	43,44
0201103922	Adapter 4" thread - 60 mm with O-ring for top distributor	52,27
0201103923	Adapter 6" thread - 60 mm with O-ring	237,28
0201103927	Adapter 6" thread - 2.5" thread with O-ring	308,15
0201103928	Adapter 6" thread - 4" thread with O-ring	612,04

CLOSURES

Reference	Item Name	€
0201102622	Closure 4" with O-Ring	34,35
0201103939	Closure 6" thread with O-Ring	478,12
0201103940	Closure 6" flange with O-Ring	395,22

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS & ACCESSORIES FOR VESSELS

O-RINGS

Reference	Item Name	€
0201103964	O-ring 2" 1/2 (64 x 5,33 mm)	3,33
0201103962	O-ring 4" (98 x 4 mm)	5,91
0201103967	O-ring 6" flange (183,52 x 6,99 mm)	71,89

BASES FOR COMPOSITE VESSELS

Reference	Item Name	€
0223020001	Polyglass Foot Tank 7"	17,71
0223020002	Polyglass Foot Tank 8"	20,95
0223020003	Polyglass Foot Tank 9"	29,29
0223020004	Polyglass Foot Tank 10"	30,67

AERATION VALVE

If there is no aeration valve, the warranty is voided in case of vacuum leading to tank break.
Aeration valve is a safety device to prevent this.

Reference	Item Name	€
0201103971	Aeration valve 1"1/2 BSP - 1/2" BSP for 14" - 63" vessels	105,96

ADAPTERS & PLUGS

Reference	Item Name	€
0223010002	Adapter 4" - 2.5" thread	43,44
0225010040	Adapter 6" - 4" thread	206,47
0225020002	4" Closure with O-Ring	55,58
0225010013	6" Flanged Closure	206,47

VESSELS & DISTRIBUTION SYSTEMS

PALLAS PRESSURE STORAGE TANK

DESCRIPTION

The Pallas Pressure Storage tank is an essential part of a pressurized water system that provides water pressure at a set level. The tank stores supplemental water between the diaphragm and the liner, and the pressurized air chamber is able to create a supply circle. This process reduces the number of times the motor needs to start in order for the system pressure to remain at the set level.

FEATURES

- Energy saving
- Easy installation
- No maintenance needed
- 100% quality tested
- Extended horizontal & vertical range



VESSELS & DISTRIBUTION SYSTEMS

PALLAS PRESSURE STORAGE TANK

Reference	Config	Item Name	Vol. L	Diameter mm	Height mm	Conn.	€
Vertical							
1417010001	ALMOND	Pallas Vertical Pressure Tank 8L without base	8	203	304	1" BSP	on request
1417010002	ALMOND	Pallas Vertical Pressure Tank 24L without base	24	290	415	1" BSP	on request
1417010003	ALMOND	Pallas Vertical Pressure Tank 60L with base	60	390	592	1" BSP	on request
1417010004	ALMOND	Pallas Vertical Pressure Tank 80L with base	80	390	770	1" BSP	on request
1417010005	ALMOND	Pallas Vertical Pressure Tank 100L with base	100	430	765	1" BSP	on request
1417010006	ALMOND	Pallas Vertical Pressure Tank 120L with base	120	390	1148	1 1/4" BSP	on request
1417010007	ALMOND	Pallas Vertical Pressure Tank 160L with base	160	550	931	1 1/4" BSP	on request
1417010008	ALMOND	Pallas Vertical Pressure Tank 200L with base	200	550	1066	1 1/4" BSP	on request
1417010009	ALMOND	Pallas Vertical Pressure Tank 300L with base	300	550	1463	1 1/4" BSP	on request
1417010010	ALMOND	Pallas Vertical Pressure Tank 450L with base	450	650	1410	1 1/4" BSP	on request
Horizontal							
1417020001	ALMOND	Pallas Horizontal Pressure Tank 24L	24	290	326	1" BSP	on request
1417020002	ALMOND	Pallas Horizontal Pressure Tank 60L	60	390	428	1" BSP	on request
1417020003	ALMOND	Pallas Horizontal Pressure Tank 80L	80	390	428	1" BSP	on request
1417020004	ALMOND	Pallas Horizontal Pressure Tank 100L	100	430	469	1" BSP	on request

CERTIFICATIONS



VESSELS & DISTRIBUTION SYSTEMS

WELLMATE PRESSURE VESSELS

FEATURES

- Replaceable air cell assures easier field servicing
- Greater drawdown than comparably sized steel tanks yields greater efficiency
- Extended labor warranty option is available to homeowners
- Won't rust in corrosive environments, particularly important in coastal regions
- Quicker and less costly to install, usually requiring only one person and fewer man-hours
- Wider pressure setting differential provides greater flexibility



Reference	Item Name	Volume L	Height mm	Connections	€
Working Pressure: 8.6 bar					
1401010001	Well Mate - 55 L	55	660	1"	365,80
1401010002	Well Mate - 75 L	75	810	1"	405,19
1401010003	Well Mate - 112 L	112	1120	1"	579,71
1401010004	Well Mate - 153 L	153	1450	1"	676,11
1401010005	Well Mate - 178 L	178	1050	1 1/4"	829,37
1401010006	Well Mate - 235 L	235	1050	1 1/4"	977,72
1401010007	Well Mate - 328 L	328	1400	1 1/4"	1.229,42
1401010008	Well Mate - 453 L	453	1890	1 1/4"	1.605,02
Working Pressure: 5 bar					
1401033989	Well Mate - 114 L	114	1130	1 1/4"	on request
1401033990	Well Mate - 151 L	151	1470	1 1/4"	on request
1401033992	Well Mate - 303 L	303	1640	1 1/4"	on request
1401033993	Well Mate - 454 L	454	1880	1 1/4"	on request

VESSELS & DISTRIBUTION SYSTEMS

STAINLESS STEEL VESSELS

FEATURES

- Leak proof
- Heat resistant
- Does not rust or corrode
- Light weight & easy to install
- Ideal for storage of potable water used in residential & commercial.
- The discharge point is located at the bottom of the tank
- Stainless steel is the most preferred material for use in the Food & Pharma Industries



STAINLESS STEEL VESSELS FOR TOP MOUNT

Reference	Item Name	Volume L	Diam mm	€
0107024520	Stainless steel vessel 4" Top Mount Ø 400 - 200 L	200	400	on request
0107024501	Stainless steel vessel 4" Top Mount Ø 500 - 320 L	320	500	on request
0107024503	Stainless steel vessel 4" Top Mount Ø 650 - 520 L	520	650	on request
0107024505	Stainless steel vessel 4" Top Mount Ø 700 - 760 L	760	700	on request
0107024506	Stainless steel vessel 4" Top Mount Ø 800 - 975 L	975	800	on request

All vessels are resistant to a maximum operating pressure of 7 bar (test pressure of 10 bar)

Attention: It's necessary to tighten the autoclave after 2 weeks of service in order to avoid leaks.

VESSELS & DISTRIBUTION SYSTEMS

STAINLESS STEEL VESSELS

STAINLESS STEEL VESSELS FOR SIDE MOUNT

Reference	Item Name	Volume L	Diam mm	€
0107014521	Stainless steel vessel 6/4" Side Mount Ø 400 - 200 L	200	400	on request
0107014509	Stainless steel vessel 2" Side Mount Ø 500 - 320 L	320	500	on request
0107014510	Stainless steel vessel 2" Side Mount Ø 650 - 520 L	520	650	on request
0107014511	Stainless steel vessel 2" Side Mount Ø 750 - 760 L	760	750	on request
0107014512	Stainless steel vessel 3" Side Mount Ø 800 - 975 L	975	800	on request
0107014513	Stainless steel vessel 3" Side Mount Ø 900 - 1300 L	1300	900	on request
0107014514	Stainless steel vessel 3" Side Mount Ø 1000 - 1650 L	1650	1000	on request
0107014522	Stainless steel vessel 3" Side Mount Ø 1100 - 2000 L	2000	1100	on request
0107014523	Stainless steel vessel 3" Side Mount Ø 1250 - 2775 L	2775	1250	on request
0107014524	Stainless steel vessel DN100 Side Mount Ø 1400 - 3400 L	3400	1400	on request
0107014525	Stainless steel vessel DN100 Side Mount Ø 1500 - 3950 L	3950	1500	on request
0107014526	Stainless steel vessel DN100 Side Mount Ø 1600 - 4240 L	4240	1600	on request
0107014527	Stainless steel vessel DN100 Side Mount Ø 1800 - 5900 L	5900	1800	on request



Attention: It's necessary to tighten the autoclave after 2 weeks of service in order to avoid leaks.

VESSELS & DISTRIBUTION SYSTEMS

GALVANISED VESSELS

FEATURES

- Steel pressure vessels for filtration of water and non-corrosive liquids
- Carbon steel according EN 10025 or EN 10028
- Design pressure 7 bars (bigger tanks 6 bar)
- Temperature -10°C / +50°C
- Accessible due to manholes: Easy and fast mouting of internals and filling of filtermedia
- Top or side mounted



GALVANISED VESSELS SIDE-MOUNTED

Reference	Item Name	Volume L	Diam mm	Connections	€
0105018324	Galvanised vessel 200 L	200	380	6/4"	1.475,07
0105018325	Galvanised vessel 320 L	320	500	2"	1.426,28
0105018326	Galvanised vessel 520 L	520	650	2"	2.352,36
0105016162	Galvanised vessel 760 L	760	750	2"	3.237,09
0105016163	Galvanised vessel 975 L	975	800	3"	3.577,92
0105016164	Galvanised vessel 1300 L	1300	900	3"	5.072,39
0105018327	Galvanised vessel 1650 L	1650	1000	3"	6.535,24
0105018328	Galvanised vessel 2000 L	2000	1100	3"	7.454,55
0105018329	Galvanised vessel 2775 L	2775	1250	3"	9.292,14
0105018330	Galvanised vessel 3400 L	3400	1400	DN 100	on request
0105018332	Galvanised vessel 4240 L	4240	1600	DN 100	41.942,19

VESSELS & DISTRIBUTION SYSTEMS

GALVANISED VESSELS

GALVANISED VESSELS TOP-MOUNTED

Reference	Item Name	Volume L	Diam mm	Connections	€
0105028321	Galvanised vessel 200 L	200	380	4" Top	on request
0105026159	Galvanised vessel 320 L	320	500	4" Top	1.515,43
0105026160	Galvanised vessel 520 L	520	650	4" Top	1.789,00
0105026161	Galvanised vessel 660 L	660	700	4" Top	2.309,29
0105028322	Galvanised vessel 975 L	975	800	4" Top	2.125,01

AUTOCLAVE COVERS

Reference	Item Name	€
0205031679	Autoclave cover N° 0	111,37
0205033111	Autoclave cover N° 1	111,37
0205030001	Autoclave cover N° 2	111,37
0205030002	Autoclave cover N° 3	111,37

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS - GALVANISED VESSELS

TOP DISTRIBUTOR FOR VESSELS WITH 2" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210008392	Top distributor 2", slots 0.2 mm for vessel diameter 400	0.2	146,36
0210001409	Top distributor 2", slots 0.2 mm for vessel diameter 500 - 750	0.2	166,77
0210001635	Top distributor 2", slots 0.2 mm for vessel diameter 800 - 900	0.2	166,72
0210004160	Top distributor 2", slots 0.2 mm for vessel diameter 1000 - 1250	0.2	200,44

TOP DISTRIBUTOR FOR VESSELS WITH 3" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210001308	Top distributor 3", slots 0.2 mm for vessel diameter 800	0.2	267,72
0210008396	Top distributor 3", slots 0.2 mm for vessel diameter 900	0.2	277,07
0210001412	Top distributor 3", slots 0.2 mm for vessel diameter 1000	0.2	284,42
0210008398	Top distributor 3", slots 0.2 mm for vessel diameter 1100	0.2	309,72
0210004015	Top distributor 3", slots 0.2 mm for vessel diameter 1250	0.2	586,31

LATERAL TOP DISTRIBUTORS FOR VESSELS WITH 2" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210008344	Lateral top distributor 2" - 6 horizontal laterals slots 0,2 mm for vessel diam. 1250	0.2	330,59

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS - GALVANISED VESSELS

LATERAL BOTTOM DISTRIBUTOR FOR VESSELS WITH 2" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210008375	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 400	0.2	84,88
0210001411	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 500	0.2	190,85
0210003305	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 650	0.2	191,31
0210004873	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 750	0.2	190,59
0210001636	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 800	0.2	191,47
0210001637	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 900	0.2	195,45
0210007026	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 1000	0.2	241,02
0210004157	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 1100	0.2	341,75
0210004018	Lateral bottom distributor 2" - 6 laterals slots 0,2 mm for vessel diameter 1250	0.2	341,44

LATERAL BOTTOM DISTRIBUTOR FOR VESSELS WITH 3" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0207028358	Lateral bottom distributor 3" - 8 laterals slots 0,2 mm for vessel diameter 800	0.2	321,81
0207018386	Lateral bottom distributor 3" - 8 laterals slots 0,2 mm for vessel diameter 900	0.2	419,69
0210001738	Lateral bottom distributor 3" - 8 laterals slots 0,2 mm for vessel diameter 1000	0.2	384,91
0210003240	Lateral bottom distributor 3" - 8 laterals slots 0,2 mm for vessel diameter 1100	0.2	428,42
0210003033	Lateral bottom distributor 3" - 8 laterals slots 0,2 mm for vessel diameter 1250	0.2	503,53

TOP DISTRIBUTOR FOR VESSELS WITH 2" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210001638	Top distributor 6/4", slots 0.5 mm for vessel diameter 500 -750	0.5	166,80
0210008394	Top distributor 2", slots 0.5 mm for vessel diameter 800 - 900	0.5	194,89
0210004161	Top distributor 2", slots 0.5 mm for vessel diameter 1000-1250	0.5	200,44

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS - GALVANISED VESSELS

LATERAL TOP DISTRIBUTOR FOR VESSELS WITH 2" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210008345	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 500	0.5	97,37
0210008346	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 650	0.5	204,59
0210008347	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 750	0.5	131,71
0210008349	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 900	0.5	141,06
0210008358	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 1000	0.5	190,95
0210008359	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 1100	0.5	223,53
0210004816	Lateral top distributor 2" - 6 horizontal laterals slots 0,5 mm for vessel diam. 1250	0.5	513,10

LATERAL BOTTOM DISTRIBUTORS FOR VESSELS WITH 2" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210008377	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 500	0.5	98,73
0210008379	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 650	0.5	125,88
0210005193	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 750	0.5	133,04
0210008381	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 800	0.5	133,04
0210008382	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 900	0.5	142,43
0210004159	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 1000	0.5	342,12
0210008383	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 1100	0.5	192,35
0210004815	Lateral bottom distributor 2" - 6 laterals slots 0,5 mm for vessel diameter 1250	0.5	340,21

VESSELS & DISTRIBUTION SYSTEMS

DISTRIBUTION SYSTEMS - GALVANISED VESSELS

TOP DISTRIBUTORS FOR VESSELS WITH 3" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210002135	Top distributor 3", slots 0.5 mm for vessel diameter 800	0.5	348,77
0210008402	Top distributor 3", slots 0.5 mm for vessel diameter 900	0.5	306,26
0210002136	Top distributor 3", slots 0.5 mm for vessel diameter 1000	0.5	360,48
0210004184	Top distributor 3", slots 0.5 mm for vessel diameter 1100	0.5	355,78
0210002137	Top distributor 3", slots 0.5 mm for vessel diameter 1250	0.5	360,50

LATERAL BOTTOM DISTRIBUTORS FOR VESSELS WITH 3" OPENINGS

Reference	Item Name	Slot Size (mm)	€
0210008389	Lateral bottom distributor 3" - 8 laterals slots 0,5 mm for vessel diameter 800	0.5	404,21
0210003297	Lateral bottom distributor 3" - 8 laterals slots 0,5 mm for vessel diameter 900	0.5	404,14
0210008390	Lateral bottom distributor 3" - 8 laterals slots 0,5 mm for vessel diameter 1000	0.5	494,16
0210008391	Lateral bottom distributor 3" - 8 laterals slots 0,5 mm for vessel diameter 1100	0.5	494,02
0210004404	Lateral bottom distributor 3" - 8 laterals slots 0,5 mm for vessel diameter 1250	0.5	493,83

VESSELS & DISTRIBUTION SYSTEMS

EPOXY PAINTED VESSELS

AQUALINE

Type vessel	Flange	Total height (mm)	Tank volume upper from the diffusers (L)	Manhole quantity	€
D:900 mm H:1500 mm T.cyl:4 mm T.dome:5 mm Plate:NO	2"	2750	1050,7	1pcs DN 400 1pcs DN 250	on request
D:1100 mm H:1500 mm T.cyl: 5 mm T.dome:6 mm Plate:NO	3"	2751	1552,9	1pcs DN 400 1pcs DN 250	on request
D:1250 mm H:1500 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	3"	2752	2028,7	1pcs DN 400 1pcs DN 250	on request
D:1250 mm H:2000 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	3"	3120	2642,3	1pcs DN 400 1pcs DN 250	on request
D:1400 mm H:1500 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	3"	2940	2574,2	1pcs DN 400 1pcs DN 250	on request
D:1400 mm H:1500 mm T.cyl: 6 mm T.dome:8 mm Plate:12 mm	3"	2940	2574,2	2pcs DN 400 1pcs DN 251	on request
D:1500 mm H:1500 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	3"	2980	2977,5	1pcs DN 400 1pcs DN 250	on request
D:1500 mm H:2000 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	4"	3300	3861,1	1pcs DN 400 1pcs DN 250	on request
D:1500 mm H:2000 mm T.cyl: 6 mm T.dome:8 mm Plate:14 mm	4"	3300	3861,1	2pcs DN 400 1pcs DN 251	on request
D:1600 mm H:1500 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	4"	3020	3413,3	1pcs DN 400 1pcs DN 250	on request
D:1600 mm H:1500 mm T.cyl: 6 mm T.dome:8 mm Plate:14 mm	4"	3020	3413,3	2pcs DN 400 1pcs DN 251	on request
D:1600 mm H:2000 mm T.cyl: 6 mm T.dome:8 mm Plate:NO	4"	3350	4418,7	1pcs DN 400 1pcs DN 250	on request
D:1600 mm H:2000 mm T.cyl: 6 mm T.dome:8 mm Plate:14 mm	4"	3350	4418,7	2pcs DN 400 1pcs DN 251	on request
D:1800 mm H:1500 mm T.cyl: 8 mm T.dome:10 mm Plate:14 mm	4"	3180	4384,8	3pcs DN 400	on request
D:1800 mm H:2000 mm T.cyl: 8 mm T.dome:10 mm Plate:14 mm	4"	3500	5657,2	3pcs DN 400	on request
D:1900 mm H:1500 mm T.cyl: 8 mm T.dome:10 mm Plate:14 mm	4"	3200	4485,7	3pcs DN 400	on request
D:1900 mm H:2000 mm T.cyl: 8 mm T.dome:10 mm Plate:14 mm	4"	3550	6339,3	3pcs DN 400	on request
D:2000 mm H:1500 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	5"	3250	5493,4	3pcs DN 400	on request
D:2000 mm H:2000 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	5"	3550	7064,2	3pcs DN 400	on request
D:2100 mm H:1500 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	5"	3260	6100,5	3pcs DN 400	on request

VESSELS & DISTRIBUTION SYSTEMS

EPOXY PAINTED VESSELS

AQUALINE

Type vessel	Flange	Total height (mm)	Tank volume upper from the diffusers (L)	Manhole quantity	€
D:2100 mm H:2000 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	5"	3650	7832,3	3pcs DN 400	on request
D:2200 mm H:1500 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	6"	3350	6743,7	3pcs DN 400	on request
D:2200 mm H:2000 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	6"	3650	8644,5	3pcs DN 400	on request
D:2400 mm H:1500 mm T.cyl: 8 mm T.dome:10 mm Plate:18 mm	6"	3400	8140,7	3pcs DN 400	on request
D:2400 mm H:2000 mm T.cyl: 8 mm T.dome:10 mm Plate:16 mm	6"	3750	10402,7	3pcs DN 400	on request
D:2500 mm H:1500 mm T.cyl: 10 mm T.dome:12 mm Plate:18 mm	6"	3450	8895,8	3pcs DN 400	on request
D:2500 mm H:2000 mm T.cyl: 10 mm T.dome:12 mm Plate:16 mm	6"	3750	11350,2	3pcs DN 400	on request
D:2800 mm H:1500 mm T.cyl: 10 mm T.dome:12 mm Plate:18 mm	6"	37505	11394,1	3pcs DN 400	on request

D: diameter

H: Cylindric Height

T.cyl: Thickness of Cylinder

T.dome: Thickness of Dome

Sand Blasting (inside-outside) is possible, price is on request.

Lateral distribution systems or nozzles for the platform are available, prices are on request.

CABINETS & BRINE TANKS

The industry's largest selection of blow molded Brine Tanks and Cabinets are available in distinctive contemporary colors, round or square shapes and sizes. To enhance the appearance of your products, models are available with injection or blow molded covers. Custom colors and personalisation is possible.

OUR ADDED VALUE

- Wide range of own PWG cabinets
- Personalized solutions
- Made to measure solution
- ...

TYPES

- Tahoe
- Eva
- EP
- Koala
- Aqua Sky
- Wallaby
- Jamaïque
- Elegant
- Atlantis
- Diamond
- Clack Water Softener



CABINETS

TAHOE

FEATURES

- PWG exclusive cabinet
- Very compact cabinet
- Compatible with different valves: Clack PI - Autotrol 368 - Cappers Ino20 - Runxin F79 - Canature BNT850 F



COLOURS CABINET



Cream



Light Grey

COLOURS RING



Grey



Green



Red



Blue

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0502167163	EUQ016441	Tahoe Mini Cabinet Complete	295 x 440 x 575	211,96

Personalization: different colors of ring (blue, green, red, grey)

CABINETS

EVA

FEATURES

- User-friendly assembling
- Good integration cover & cabinet
- Easy salt filling due to tilting salt lid
- Available in mini/midi/maxi
- Option: valve protection



COLOURS CABINET



White



Black

COLOURS COVER



White



Black



Blue ET

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
Mini				
0502177164	EUQ016403	Eva Cabinet Mini - White cabinet / Blue cover - Double cardboard no insert	300 x 500 x 741	140,90
0502177164	EUQ016883	Eva Cabinet Mini - White cabinet / White cover - Double cardboard no insert	300 x 500 x 741	on request
Midi				
0502177166	EUQ016343	Eva Cabinet Midi - Black cabinet / White cover	300 x 500 x 1072	137,98
0502177166	EUQ016404	Eva Cabinet Midi - White cabinet / Blue cover - Double cardboard no insert	300 x 500 x 1072	176,55
0502177166	EUQ016517	Eva Cabinet Midi - White cabinet / Black cover - Double cardboard no insert	300 x 500 x 1072	on request
0502177166	EUQ016884	Eva Cabinet Midi - White cabinet / White cover - Double cardboard no insert	300 x 500 x 1072	on request
Maxi				
0502177167	EUQ016344	Eva Cabinet Maxi - White cabinet / Blue cover	300 x 500 x 1200	142,36
0502177167	EUQ016405	Eva Cabinet Maxi - White cabinet / Blue cover - Double cardboard no insert	300 x 500 x 1200	151,11
0502177167	EUQ016886	Eva Cabinet Maxi - White cabinet / White cover - Double cardboard no insert	300 x 500 x 1200	on request

Personalization: Color on cover where the led was supposed to be

CABINETS

CLACK WATER SPECIALIST

FEATURES

- Sliding salt lid for easy salt filling, no need to remove the complete cover
- Flip up window for easy access to the valve
- Special brine valve & brine well system for full access to brine valve during servicing



COLOURS CABINET



Light Grey

COLOURS SLIDE COVER



Dark Grey Blue

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0503030003		CWS18 Bottom Assy Light Grey with 474 Assy	338 x 513 x 693	130,49
0503030004		CWS35 Bottom Assy Light Grey with 474 Assy	338 x 514 x 1143	168,55
0503030001		CWS Top Assembly Light Grey/Dark Grey		151,82
0503030002		CWS Top Assembly Light Grey/Blue		151,82

CABINETS

ELEGANT

FEATURES

- Transparant screen in cover
- Four sizes: mini (tank 17"), midi (tank 30"), maxi (7" and 8" tank 35"), super maxi (9" and 10" tank 35")
- Injected cover and blow molded cabinet
- Classic range of colour for cover



COLOURS CABINET



White

COLOURS COVER



White



Blue

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0505044681		Elegant Mini (White / Blue)	310 x 420 x 660	114,44
0505044693		Elegant Midi (White / Blue)	310 x 420 x 1010	148,44
0505044705		Elegant Maxi (White / Blue)	310 x 420 x 1120	166,42
0505044717		Elegant Super Maxi (White / Blue)	310 x 420 x 1120	on request

CABINETS

ATLANTIS

FEATURES

- Available in Mini (18"), Midi (30") and Maxi (35")
- White blow molded cabinet with blue injected cover
- One piece cover for long term resistance



COLOURS CABINET



White

COLOURS COVER



Blue

Reference	Config.	Item Name	Dimensions	€
			WxDxH in mm	
0505064726		Atlantis Mini (White / Blue)	320 x 560 x 670	149,32
0505064728		Atlantis Midi (White / Blue)	320 x 560 x 1000	170,38
0505064731		Atlantis Maxi (White / Blue)	320 x 560 x 1130	183,40

CABINETS

EP

FEATURES

- Allows installation in reduced space area based on 7" tank diameter
- Available in 2 sizes: mini for 7L of resin and maxi for 15 or 18L of resin
- Robust design with space to put a logo sticker
- Basic colour range
- Optional cover



COLOURS CABINET



White



Black

COLOURS COVER



White

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0501051436	BLK	EP Small Maxi - black	240 x 420 x 1120	113,82
0501051436	WHT	EP Small Maxi - white	240 x 420 x 1120	113,82
0501061441	BLK	EP Small Mini - black	240 x 420 x 720	72,14
0501061441	WHT	EP Small Mini - white	240 x 420 x 720	72,14
0704011438		Salt Lid for EP Compact		17,82
0704004755		Salt Cover Black for EP Compact		3,96

CABINETS

KOALA

FEATURES

- Specific window to see major electronic displays
- Cabinet cover that allows using a large number of valves
- Side handles integrated in the design to easily move the unit
- Available in as a 'split' design with separate brine cabinet



COLOURS CABINET



White



Black

COLOURS COVER



White

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0514010010		Koala mini cabinet (10x17 vessel)	310 x 500 x 690	on request
0514010009		Koala maxi cabinet (8x35 vessel)	310 x 500 x 1150	on request
0514010011		Koala maxi split cabinet (8x35)	310 x 500 x 1150	on request

CABINETS

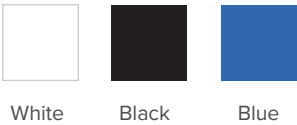
DIAMANT

FEATURES

- Innovative and exclusive design, new range of colour
- Tank, outside the cabinet, with steel band for blocking movement
- Robust material of cabinet and salt lid
- Big opening for easy salt loading
- Moving the cabinet is facilitated by 2x skids incorporated in the bottom



COLOURS CABINET



Other colours available on request

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0501000002	Black	Diamant Cabinet (without cover) - Black	400 x 480 x 1140	257,47
0501000002	Blue	Diamant Cabinet (without cover) - Blue	400 x 480 x 1140	210,45
0501000002	White	Diamant Cabinet (without cover) - White	400 x 480 x 1140	210,45
0704020002		Brine lid Diamant Cabinet		46,67

CABINETS

STARLING

FEATURES

- Compact design
- Valve outside the cabinet
- Easy access for salt filling



COLOURS



Reference	Config.	Item Name	Dimensions WxDxH in mm	€
Starling Mini - Grey/Black with 08x17				
0516000008	MODEL/B	Starling Mini - Grey/Black with 08x17 Cabinet + Vessel	263 x 460 x 447	160,83
0516000008	MODEL/C	Starling Mini - Grey/Black with 08x17 Cabinet + Brine valve assembly	263 x 460 x 447	161,32
0516000008	MODEL/D	Starling Mini - Grey/Black with 08x17 Cabinet + Vessel + Brine Valve Assembly	263 x 460 x 447	206,68
Starling Midi - Grey/Black with 08x24				
0516000009	MODEL/B	Starling Midi - Grey/Black with 08x24 Cabinet + Vessel	263 x 460 x 627	181,69
0516000009	MODEL/C	Starling Midi - Grey/Black with 08x24 Cabinet + Brine valve assembly	263 x 460 x 627	172,31
0516000009	MODEL/D	Starling Midi - Grey/Black with 08x24 Cabinet + Vessel + Brine Valve Assembly	263 x 460 x 627	227,68

CABINETS

WALLABY

FEATURES

- Material: LLDPE Polyethyleen
- Roto molded
- Standard colour white with black brinelid, other colours available on demand.
- Separate brine tank
- For vessels 7x35 until 10x35



COLOURS CABINET



WhiteBlackGreenGreyPinkOrange

Standard colours available from 8+ pieces

COLOURS LID



WhiteBlackBlueGrey

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0501110004	BLA	Wallaby - Black & lid	370 x 590 x 880	214,33

CABINETS

WALLABY 2.0

FEATURES

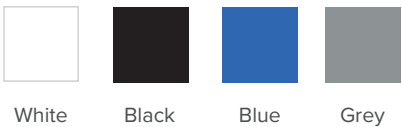
- Material: LLDPE Polyethyleen
- Roto molded
- Standard colour white with black brinelid, other colours available on demand.
- Separate brine tank
- For vessels 7x35 until 10x35



COLOURS CABINET



COLOURS LID



Other colors for small quantities possible

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0501130001	BLA-BLA-BL	Wallaby 2.0 Complete I Black cabinet - Black salt cover - Black tank cover	370 x 590 x 880	225,88
0501130001	GR-BL-GR	Wallaby 2.0 Complete I Grey cabinet - Blue salt cover - Grey tank cover	370 x 590 x 880	225,88
0501130001	PINK-BLA-B	Wallaby 2.0 Complete I Pink cabinet - Black salt cover - Black tank cover	370 x 590 x 880	225,88
0501130001	WHI-BLA-BL	Wallaby 2.0 Complete I White cabinet - Black salt cover - Black tank cover	370 x 590 x 880	225,88
0501130001	WHI-BLU-BL	Wallaby 2.0 Complete I White cabinet - Blue salt cover - Blue tank cover	370 x 590 x 880	225,88
0501130001	YELL-BLA-B	Wallaby 2.0 Complete I Yellow cabinet - Black salt cover - Black tank cover	370 x 590 x 880	225,88

CABINETS

AQUA SKY

FEATURES

- Injection molded
- Detachable salt lid for easy accessibility to brine compartment without removal of valve
- Cabinet accomodates pressure vessels up to 10"x35"
- Body, lid and cover: polypropylene
- Standard colour: white/grey



COLOURS



Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0510017043		Aqua Sky cabinet - Mini	338 x 525 x 440	155,10
0510019027		Aqua Sky cabinet - Maxi	338 x 525 x 900	232,59

CABINETS

JAMAÏQUE

FEATURES

- Material: HDPE
- Blow molded
- Available in Mini (18"), Midi (30") and Maxi (35")
- Available colours: wit/black, grey/black, beige/black



COLOURS CABINET



White



Beige



Grey



Black

COLOURS COVER



Black

Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0502041157	EUQ012836	Jamaïque 18 Complete - Grey/Black	320 x 520 x 490	166,64
0502041158	EUQ015564	Jamaïque 30 Complete - Grey/Black (with SBV)	320 x 520 x 830	264,36
0502041159	EUQ012415	Jamaïque 35 Complete - Grey/Black	320 x 520 x 950	228,20

CABINETS

NAUTILIUS

FEATURES

- Very small cabinet
- Easy salt fill
- Compatible with many types of valves



Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0508050001		White Mini Nautilus Cabinet with 7x13 vessel	225 x 430 x 355	115,29

CORAL

FEATURES

- Compact - to fit under sinks or in cupboards
- Large salt lid
- Robust



Reference	Config.	Item Name	Dimensions WxDxH in mm	€
0507049695		Coral Cabinet with 1012 Vessel	270 x 460 x 360	291,10
0507049696		Coral Cabinet with 919 Vessel	270 x 460 x 490	304,33

BRINE TANKS



SQUARE / RECTANGULAR BRINE TANKS (WITH LIDS)

Reference	Item Name	l x w x h	€
0602034579	Square White Brine Tank, Black Cover 35 L	310 x 310 x 440 mm	46,77
0602034580	Square White Brine Tank, Black Cover 75 L	310 x 310 x 890 mm	64,67
0602020009	Rectangular Blue Brine Tank, 125L	390 x 915 x 440	61,32

ROUND BRINE TANKS (WITH LIDS) - PENTAIR

Reference	Item Name	Diameter x Height	€
0602034581	Round White Brine Tank, White Cover 105 L	440 mm x 680 mm	56,60
0602034583	Round White Brine Tank, White Cover 150 L	500 mm x 800 mm	96,48
0602034585	Round White Brine Tank, White Cover 205 L	500 mm x 1050 mm	123,49

INJECTION

Reference	Item Name	Diameter x Height	€
0602052591	Brine Tank 100 Blue	440 mm x 800 mm	50,72
0602055037	Brine Tank 100 White	440 mm x 800 mm	50,72

BRINE TANKS

ROTO MOLDED

FEATURES

- Material: LDPE Polyethylen
- Roto molded
- Available in white, blue and black
- Optional: platform in masonite or PE
- Suitable as brine tank or storage tank



BLUE

Reference	Item Name	Max. Volume L	Diam. mm	Diam. Lid mm	Height mm	€
0602048062	Brine Tank 130 L With Lid - Roto Molded Blue	120	470	600	780	90,44
0602048051	Brine Tank 200 L With Lid - Roto Molded Blue	170	560	670	830	128,53
0602048050	Brine Tank 300 L With Lid - Roto Molded Blue	270	630	760	980	177,94
0602048060	Brine Tank 400 L With Lid - Roto Molded Blue	340	750	880	920	230,51
0602048052	Brine Tank 500 L With Lid - Roto Molded Blue	460	750	880	1150	313,21
0602048061	Brine Tank 750 L With Lid - Roto Molded Blue	650	900	1000	1080	445,27
0602048054	Brine Tank 1000 L With Lid - Roto Molded Blue	890	970	1080	1280	575,38
0602048063	Brine Tank 1750 L With Lid - Roto Molded Blue	1500	1160	1250	1480	1.065,46

WHITE

Reference	Item Name	Max. Volume L	Diam. mm	Diam. Lid mm	Height mm	€
0602048372	Brine Tank 130 L With Lid - Roto Molded	120	470	600	780	90,44
0602040712	Brine Tank 200 L With Lid - Roto Molded	170	560	670	830	128,53
0602040711	Brine Tank 300 L With Lid - Roto Molded	270	630	760	980	177,94
0602043704	Brine Tank 400 L With Lid - Roto Molded	340	750	880	920	230,51
0602040714	Brine Tank 500 L With Lid - Roto Molded	460	750	880	1150	313,21
0602043705	Brine Tank 750 L With Lid - Roto Molded	650	900	1000	1080	445,27
0602040716	Brine Tank 1000 L With Lid - Roto Molded	890	970	1080	1280	575,38
0602040717	Brine Tank 1500 L With Lid - Roto Molded	1500	1160	1250	1480	1.036,14
0602048373	Brine Tank 1750 L With Lid - Roto Molded	1750	1160	1250	1480	1.065,46

BRINE TANKS

BLACK

Reference	Item Name	Max. Volume L	Diam. mm	Diam. Lid mm	Height mm	€
0602040001	Brine Tank 130 L With Lid - Roto Molded Black	120	470	600	780	90,44
0602040003	Brine Tank 200 L With Lid - Roto Molded Black	170	560	670	830	128,53
0602040002	Brine Tank 300 L With Lid - Roto Molded Black	270	630	760	980	177,94
0602040004	Brine Tank 400 L With Lid - Roto Molded Black	340	750	880	920	224,34
0602040005	Brine Tank 500 L With Lid - Roto Molded Black	460	750	880	1150	313,21

POLYETHYLENE BRINE TANK WITH COVER AND BRINE WELL-OVERFLOW-CAP

Reference	Config.	Item Name	€
0602077781	EUQ003129	Brine Tank Type 100 with Brine Well-overflow-cap Diameter 100 mm	67,73
0602037789	EUQ000221	Brine Tank Type 105 with Brine Well-overflow-cap Diameter 100 mm	84,73
0602017791	EUQ004290	Brine Tank Type 130 with Brine Well-overflow-cap Diameter 100 mm	96,66
0602078339	EUQ001165	Brine Tank Type 200 with Brine Well-overflow-cap Diameter 100 mm	136,43
0602011187	EUQ000083	Brine Tank Type 300 with Brine Well-overflow-cap Diameter 125 mm	191,66
0602011255	EUQ000275	Brine Tank Type 400 with Brine Well-overflow-cap Diameter 100 mm	232,93
0602011255	EUQ000409	Brine Tank Type 400 with Brine Well-overflow-cap Diameter 125 mm	242,94
0602011257	EUQ000076	Brine Tank Type 500 with Brine Well-overflow-cap Diameter 125 mm	328,17
0602011259	EUQ000502	Brine Tank Type 750 with Brine Well-overflow-cap Diameter 125 mm	448,71
0602011261	EUQ001548	Brine Tank Type 1000 with Brine Well-overflow-cap Diameter 125 mm	580,99
0602011263	EUQ001076	Brine Tank Type 1750 with Brine Well-overflow-cap Diameter 125 mm	1.054,80

BRINE TANKS

ACCESSORIES

SALT GRID - MASONITE SALT GRID

Reference	Config.	Item Name	€
0703020090	H12	Masonite Salt Grid For 100L / H. 12cm *	46,40
0703020091	H10	Masonite Salt Grid For 130L / H. 10cm *	46,72
0703020092	H20	Masonite Salt Grid For 200L / H. 20cm *	65,09
0703020093	H30	Masonite Salt Grid For 300L / H. 30cm *	77,04
0703020094	H25	Masonite Salt Grid For 400L / H. 25cm *	87,37
0703020095	H35	Masonite Salt Grid For 500L / H. 35cm *	126,70
0703020096	H40	Masonite Salt Grid For 750L / H. 40cm *	165,25
0703020097	H45	Masonite Salt Grid For 1000L / H. 45cm *	286,10
0703020098	H50	Masonite Salt Grid For 1750L / H. 50cm *	328,33

* Height can be modified upon request

SALT GRID - PVC SALT GRIDS

Reference	Config.	Item Name	€
0703020099	H12	PE Salt Grid For 100L / H. 12cm *	65,28
0703020100	H10	PE Salt Grid For 130L / H. 10cm *	98,43
0703020101	H20	PE Salt Grid For 200L / H. 20cm *	118,29
0703020102	H30	PE Salt Grid For 300L / H. 30cm *	137,36
0703020103	H25	PE Salt Grid For 400L / H. 25cm *	195,19
0703020104	H35	PE Salt Grid For 500L / H. 35cm *	265,14
0703020105	H40	PE Salt Grid For 750L / H. 40cm *	396,90
0703020106	H45	PE Salt Grid For 1000L / H. 45cm *	459,97
0703020107	H50	PE Salt Grid For 1750L / H. 50cm *	508,25

* Height can be modified upon request

BRINE TANKS

ACCESSORIES

SALT GRID PE & PVC SALT GRID EUROIMPEX

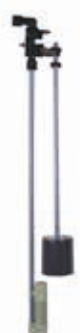
Reference	Item Name	€
0702024591	PVC Salt Grid For 100 L Brine Tank	31,91
0702024593	PVC Salt Grid For 150 L Brine Tank	34,87
0702024594	PVC Salt Grid For 200 L Brine Tank	39,59
0702024596	PVC Salt Grid For 300 L Brine Tank	128,13
0702024599	PVC Salt Grid For 520 L Brine Tank	278,64

FLOATS

Reference	Config.	Item Name	€
0401358434		Safety brine valve Schurz - BV 44	103,76
0401354161	10-06	Safety brine valve Shurz (assy) with elbow 10-06	116,43
0401354161	10-10	Safety brine valve Shurz (assy) with elbow 10-10	112,90
0303264522		Safety brine valve Siata 100 mm	63,06
0401358431		Safety brine valve 2310 without aircheck	37,23
0401354160		Safety brine valve 2310 assembled	40,21
0401358432		Safety brine valve 2350 without aircheck	225,50
0401352316		Safety brine valve 2350 assembled	396,07
0401221017		Safety brine valve 2310 for Autotrol 255	38,32
0406011579		Safety brine valve 474 + Blfc 0.5 - 3/8 elbow	45,99
0402036961		Safety brine valve Clack 484 assembled	237,02
5303021898		Safety brine valve Clack 494	399,11
0401358429		Safety brine valve 2300 without aircheck	65,19
0406023011		Safety brine valve Clack 474 - 3/8" (with aircheck)	49,14
0406023012		Safety brine valve Clack 474 - 1/2" (with aircheck)	56,60
0406010756		Safety brine valve Clack 484 - 1/2"	148,87
0701010020		Safety brine valve Clack 484 - 3/4"	140,23
3401035895		3/4" socket for SBV Clack 484	12,08



BV 44



SBV2310



484

BRINE TANKS

ACCESSORIES

BRINE WELL-OVERFLOW-CAP

Reference	Config.	Item Name	€
100 mm			
0705011251		Brine well-over-flowcap-cap diameter 100 mm for brine tank type 75 (83cm)	8,55
0705011241		Brine well-over-flowcap-cap diameter 100 mm for brine tank type 105 (61cm)	11,71
0705012390	69cm	Brine well-over-flowcap-cap diameter 100 mm for brine tank type 130 (69cm)	11,71
0705012390	79cm	Brine well-over-flowcap-cap diameter 100 mm for brine tank type 130 (79cm)	11,71
0705012390	79cm-Black	Black brine well-over-flowcap-cap diameter 100 mm for brine tank type 130 (79cm)	9,21
0705011242		Brine well-over-flowcap-cap diameter 100 mm for brine tank type 200 (73cm)	8,39
0705011245		Brine well-over-flowcap-cap diameter 100 mm for brine tank type 300 (96cm)	11,71
0705011246		Brine well-over-flowcap-cap diameter 100 mm for brine tank type 400 (90cm)	11,71
0705011247		Brine well-over-flowcap-cap diameter 100 mm for brine tank type 500 (117cm)	11,71
125 mm			
0705031272		Brine well-over-flowcap-cap diameter 125 mm for brine tank type 300	20,56
0705031273		Brine well-over-flowcap-cap diameter 125 mm for brine tank type 400	21,07
0705031274		Brine well-over-flowcap-cap diameter 125 mm for brine tank type 500	23,68
0705031275		Brine well-over-flowcap-cap diameter 125 mm for brine tank type 750	23,84
0705031276		Brine well-over-flowcap-cap diameter 125 mm for brine tank type 1000	26,60
0705031277		Brine well-over-flowcap-cap diameter 125 mm for brine tank type 1750	29,69

BRINE BOWL

Reference	Item Name	€
6101080006	Brine bowl	18,52



CABINETS & BRINE TANKS

ACCESSORIES

AIRCHECKS

Reference	Item Name	€
0401358437	Air Check 500A 915 mm 36"	6,73
0401358438	Air Check 500A 1250 mm (1600 & 1650)	11,87
0401358439	Air Check 500 Hot Water (1600 EC)	12,00
0401358440	Air Check 900	55,22
0401358441	Air Check 900 Hot Water	72,69

OTHER ACCESSORIES

Reference	Item Name	€
3901006225	JG elbow 3/8" P grey (10-10 mm) old reference: 3901006220	7,70
3901006227	JG reducing elbow 3/8" P x 1/4" P grey (10-6 mm) - old reference: 3901006221	5,74
0706015151	Cover for Brine Well 100 mm	0,98
0706020001	Blue Cover for Brine Well 125mm	1,95
0701010035	Overflow 3/8"	2,79

TUBING

Reference	Item Name	Price per	€
0700001242	Tubing PE 9.52 x 6.35 natural (roll of 100 m) Brine tubing 3/8"	1 roll	93,25
0700000002	Polytube PE 9.52 x 12.7 (roll of 100 m) Brine tubing 1/2"	1 roll	108,34
0700009551	Tubing cristal diam. 12 x 16 mm (roll of 25 m) Drain tubing for Clack	1 roll	5,11
3403001945	Reinforced drain hose 13 x 20 mm (roll of 50 m) Drain tubing for Fleck, Clack, Autotrol, etc.	1 roll	3,89
4002005030	Reinforced drain hose 25 x 33 mm (roll of 50 m)	1 roll	9,07
3902006154	Polyamide PA 4/6 mm tubing black (roll of 100 m)	1 roll	3,33

BRINE TANKS

DELTA OPEN DRAIN

FEATURES

- Conformity with the standard NBN EN 1717
- Serves as "backflow prevention" from drain to the water piping
- Double connection which makes it possible to connect it both to the drain and to the overflow tubing
- Transparent protection cap
- The connection piece (T-piece) is movable
- Choice of connection directly to a drain pipe or in a solvent cement socket



Reference	Item Name	€
6311990005	Delta Open Drain - White	96,25

FILTERS & CARTRIDGES

The number of different brands and types of filters seems unlimited.

This chapter contains a selection of filters made by the PWG companies, following our years of experience in domestic, commercial and industrial filtration. Starting from the most common cartridge filters, to the selfcleaning filters, the large Cintropur filter range and ending with industrial multi cartridge and magnetic bag filters.

DIFFERENT TYPES

- Cartridge filters: wide choice of filtering fineness
- Selfcleaning filters: well-known and reliable brands
- Cintropur filters: using sleeves, filter/UV combination
- Multi cartridge filters: industrial sediment filters wholly manufactured in polished stainless steel
- Magnetic bag filters: combines 2 highly complementary systems (filter bag & magnetic system)

BENEFITS & APPLICATIONS BRANDS AND TYPES

- | | |
|---|--|
| <ul style="list-style-type: none">• Filtration of solid particles in order to protect the water softener valve or other appliances (sediment filtration)• Filtration of rain water (sediment & active carbon filtration)<ul style="list-style-type: none">- removal of unpleasant smells & taste- removal of pesticides & herbicides- removal of particles in suspensioncan be combined with a UV to remove bacteria | <ul style="list-style-type: none">• Cartridge filters<ul style="list-style-type: none">3 PCSRainwater filtersBig Blue filters• Selfcleaning filters<ul style="list-style-type: none">ArionHydra• Cintropur filters• Multi cartridge filters• Separators |
|---|--|



FILTER HOUSINGS & CARTRIDGES

STANDARD 3PCS FILTERS

PALLAS 3PCS FILTERS

To ensure the proper functioning of the filters, we recommend that you replace the bowl every 5 years.

Reference	Item Name	Connections	€
1611000018	3PCS Filters 5", Clear 3/4"	3/4" F	24,82
1611010018*	3PCS Filters 7", Clear 3/4"	3/4" F	39,06
1611010005*	3PCS Filters 10", Clear 3/4"	3/4" F	46,87
1611010006*	3PCS Filters 10", Clear 1"	1" F	46,87
1611000014	3PCS Filters 10", Blue 1"	1" F	29,74
1611003108	3PCS Filters 20", Clear 3/4"	3/4" F	103,96
1611003110	3PCS Filters 20", Clear 1"	1" F	103,91
1611000017*	3PCS Filters 20", Clear 3/4"	3/4" F	103,96
1611000027*	3PCS Filters 20", Clear 1"	1" F	103,91

Duplex

1611010007	3PCS Duplex Filters 10", Clear 3/4" BSP	3/4"	55,30
1611010008	3PCS Duplex Filters 10", Clear 1" BSP	1"	47,75

*With spanner & wall bracket



ACCESSORIES FOR 3PCS FILTERS

Reference	Item Name	€
1810005576	Wrench	10,53
1810009415	O-ring	2,12
1810000026	Transparant Bowl For Filter Type 5"	7,71
1810000025	Transparant Bowl For Filter Type 7"	10,84
1810000024	Transparant Bowl For Filter Type 10"	14,48
1810000023	Transparant Bowl For Filter Type 20"	33,85
1711000006	Single Wall Bracket	2,99
1810000009	Double Wall Bracket	21,47



FILTER HOUSINGS & CARTRIDGES

FILTERCARTRIDGES FOR 3PCS FILTERS

Reference	Item Name	€
Sediment cartridges		
1719000078	4" Wound sediment Filter Cartridge 25µ	5,57
1700008192	4" Active carbon Filter Cartridge 25µ	18,06
1719000074	7" Wound sediment Filter Cartridge 5µ	3,50
1719000075	7" Wound sediment Filter Cartridge 10µ	3,55
1719000056	7" Wound sediment Filter Cartridge 25µ	7,69
1719000076	7" Wound sediment Filter Cartridge 50µ	3,67
1719000077	7" Wound sediment Filter Cartridge 100µ	7,35
1719000015	10" Wound sediment Filter Cartridge 1µ	4,67
1719000007	10" Wound sediment Filter Cartridge 5µ	4,67
1719000016	10" Wound sediment Filter Cartridge 10µ	4,67
1719009426	10" Wound sediment Filter Cartridge 25µ	4,67
1719000050	10" Wound sediment Filter Cartridge 50µ	4,67
1719010011	10" Wound sediment Filter Cartridge 100µ	4,67
1719000064	20" Wound sediment Filter Cartridge 1µ	17,99
1719000051	20" Wound sediment Filter Cartridge 5µ	17,99
1719000124	20" Wound sediment Filter Cartridge 10µ	15,83
1719000024	20" Wound sediment Filter Cartridge 25µ	14,42
1719000079	20" Wound sediment Filter Cartridge 50µ	14,42
1719000080	20" Wound sediment Filter Cartridge 100µ	14,42
1719000081	30" Wound sediment Filter Cartridge 5µ	27,94
1719000082	30" Wound sediment Filter Cartridge 10µ	14,20
1719000083	30" Wound sediment Filter Cartridge 25µ	13,41
1719000084	30" Wound sediment Filter Cartridge 50µ	13,41
1719000085	40" Wound sediment Filter Cartridge 1µ	15,21
1719000086	40" Wound sediment Filter Cartridge 5µ	15,85
1719000087	40" Wound sediment Filter Cartridge 10µ	15,04
1719000088	40" Wound sediment Filter Cartridge 25µ	31,57
1719000089	40" Wound sediment Filter Cartridge 50µ	30,92

FILTER HOUSINGS & CARTRIDGES

FILTERCARTRIDGES FOR 3PCS FILTERS

Reference	Item Name	€
Ceramic cartridges		
Washable cartridges		
1719000057	Washable filter cartridges RLC 10" 50µ	16,09
1719009523	Washable filter cartridge RL 10" 50µ	12,19
Active carbon cartridges		
1700008192	4" Active carbon Filter Cartridge 25µ	18,06
1706007344	7" Active Carbon Filter Cartridge 20µ	15,98
1719000090	7" Active Carbon Filter Cartridge 25µ	7,23
1719000157	10" Active carbon Filter Cartridge 5µ	23,97
1719000060	10" Active carbon Filter Cartridge 25µ	21,75
1719000061	20" Active carbon Filter Cartridge 25µ	47,29

FILTERS

CARTRIDGE FILTERS

PALLAS BIG BLUE

- Large capacity housings suitable for high flow and heavy sediment applications.
- Outer diameter 4" to 4.50"
- Inner diameter 1" tot 1.10"
- Maximum working pressure 8 bar
- Min/Max temperture 4/45 °C



The filters are supplied with a spanner and a wall bracket.

Reference	Item Name	Connections	€
1611030020	Filter Big Blue 10", Blue 1" BSP	1"	254,18
1611030021	Filter Big Blue 20", Blue 1" BSP	1"	291,56

CARTRIDGES FOR PALLAS BIG BLUE

Reference	Item Name	€
1719000112	FA 10 Big SX 1 mcr Wound sediment filter cartridge	48,46
1719000046	FA 10 Big SX 5 mcr Wound sediment filter cartridge	42,39
1719000129	FA 10 Big SX 10 mcr Wound sediment filter cartridge	51,06
1719000005	FA 10 Big SX 25 mcr Wound sediment filter cartridge	24,55
1700006690	FA 10 Big SX 50 mcr Wound sediment filter cartridge	21,59
1719000131	FA 10 Big SX 100 mcr Wound sediment filter cartridge	41,72
1719000092	FA 20 Big SX 1 mcr Wound sediment filter cartridge	89,78
1719000009	FA 20 Big SX 5 mcr Wound sediment filter cartridge	104,60
1719000132	FA 20 Big SX 10 mcr Wound sediment filter cartridge	106,89
1719002838	FA 20 Big SX 25 mcr Wound sediment filter cartridge	99,59
1719000048	FA 20 BIG SX-50 mcr Wound sediment filter cartridge	85,46
1719000049	FA 20 Big SX 100 mcr Wound sediment filter cartridge	85,46
1709055516	Mazz filter cartridge Big white 20" for iron reduction	246,76
1709045515	Activated carbon filter cartridge Big White 20"	145,56

FILTERS

CARTRIDGE FILTERS

PALLAS 3PCS FILTERS HOTWATER

European made, 3 piece, hot water filter housing with pressure relief



Reference	Item Name	Connections	€
1611000022	3PCS Hot Water Housing 10", Red 3/4"	3/4"	72,35
1611000023	3PCS Hot Water Housing 20", Red 1"	1"	100,39

PALLAS 3PCS FILTERS HOTWATER - CARTRIDGES

Reference	Item Name	For Filter	Box Qty	€
1719000038	20" CPP Spun 1 µ	20"	25	7,44
1719000039	20" CPP Spun 10 µ	20"	25	6,65
1719000035	10" Wound Sediment Filter Cartridge 5 µ - Hot	10"	25	7,56
1719000066	10" Wound Sediment Filter Cartridge 25 µ - Hot	10"	50	9,07
1719000040	20" Wound Sediment Filter Cartridge 5 µ - Hot	20"	50	17,50
1719000041	20" Wound Sediment Filter Cartridge 10 µ - Hot	20"	25	17,46

FILTERS

CARTRIDGE FILTERS

MAZ IRON REDUCTION CARTRIDGE



Use a MAZ cartridge in combination with a Crystal Right Filter to create rest hardness.
A Big Blue housing is a must.

Reference	Item Name	Connections	€
1704000112	Maz Iron Reduction Cartridge 10" BB	10"	113,40
1709055516	Maz Iron Reduction Cartridge 20" BB	20"	246,76

FILTER HOUSINGS & CARTRIDGES

PALLAS RAINMASTER

Three-step filtration:

- Selfcleaning/backwash pre-filter at 90 micron
- Sediment filtration at 25 micron
- Activated carbon filtration to remove odors and colors



Reference	Item Name	Connections	€
1611010037	Hydra Rainmaster Trio - 1" FA (neutral) - White	1"	189,95

ACCESSORIES

Reference	Item Name	€
1810000053	X - Spanner Black	3,73
1711000007	Washable Filtercartridge Stainless Steel 90 µ	29,53
1758001335	Filtercartridge 25 µ wounded	3,15
1719000067	Filtercartridge CTO AF 10" x 2.5	43,28
1719010012	KIT cartridges Hydra (2 x FA Antimicrobial + 2 x CB/EC VOC)	66,26



Stainless
steel 90µ



25µ
wounded



CTO

SELF-CLEANING FILTERS

ARION FILTERS

Reference	Item Name	Connections	€
1601001898	Arion filter 1/2" Trogamid - 50 µ	1/2"	202,78
1601001899	Arion filter 3/4" Trogamid - 50 µ	3/4"	213,96
1601001900	Arion filter 1" Trogamid - 50 µ	1"	244,83
1601000001	Arion filter 1" 1/4 Trogamid - 50 µ	1 1/4"	264,91
1601000010	Arion filter 1" 1/2 Trogamid - 50 µ	1 1/2"	342,25
1601000011	Arion filter 2" Trogamid - 50 µ	2"	372,47
1601001897	Arion filter 1/2" Trogamid - 300 µ	1/2"	169,29
1601005533	Arion filter 3/4" Trogamid - 300 µ	3/4"	179,43
1601005534	Arion filter 1" Trogamid - 300 µ	1"	199,85
1601005535	Arion filter 1" 1/4 Trogamid - 300 µ	1 1/4"	217,83
1601005536	Arion filter 1" 1/2 Trogamid - 300 µ	1 1/2"	282,47
1601005537	Arion filter 2" Trogamid - 300 µ	2"	304,20



COMPONENTS

Reference	Item Name	€
1701005541	Stainless steel cartridge 50 µ for Arion filter 1/2" - 3/4"	23,76
1701005542	Stainless steel cartridge 50 µ for Arion filter 1" - 1" 1/4"	42,36
1701005538	Stainless steel cartridge 300 µ for Arion filter 1/2" - 3/4"	8,27
1701005539	Stainless steel cartridge 300 µ for Arion filter 1" - 1" 1/4"	16,97
1701005540	Stainless steel cartridge 300 µ for Arion filter 1" 1/2 - 2"	21,81
1801005543	Bowl	20,42
1801005544	Bowl for hot water	76,91
1801001593	O-ring	0,43

OPTIONS

This electronic timepiece triggers a cleaning of 3 to 15 seconds all 12, 24 or 48 hours. Includes an electronic box and a solenoid valve.

Reference	Item Name	€
5599121935	Electronic timepiece for automatic flushing of Arion & RBM filters	663,27

SELF-CLEANING FILTERS

HYDRA FILTERS

HYDRA

- Stainless steel cartridge 90 micron, wall bracket, wrench
- Manual rinse
- Brass insert - F thread



Reference	Item Name	Flow Rate m³/h	Connections	€
1611000025	Hydra Selfcleaning Filter 3/4"	5	3/4"	119,59
1611000050	Hydra Selfcleaning Filter 1"	6	1"	120,28
1611000051	Hydra Selfcleaning Filter 1 1/4"	8	1 1/4"	141,20
1611000052	Hydra Selfcleaning Filter 1 1/2"	10	1 1/2"	142,00

HYDRA M

- Stainless steel cartridge 90 micron, wall bracket, wrench
- Manual rinse
- Brass inserts - F thread
- Manometer in & out



Reference	Item Name	Flow Rate m³/h	Connections	€
1611000053	HydraM Selfcleaning Filter 3/4" + mano	5	3/4"	155,04
1611000054	HydraM Selfcleaning Filter 1" + mano	6	1"	158,80
1611000055	HydraM Selfcleaning Filter 1 1/4" + mano	8	1 1/4"	173,82
1611000056	HydraM Selfcleaning Filter 1 1/2" + mano	10	1 1/2"	174,70

SELF-CLEANING FILTERS

HYDRA FILTERS

HYDRA DS

- Stainless steel cartridge 90 micron, wrench
- Manual rinse
- Brass rotational 3-piece connection - M thread



Reference	Item Name	Flow Rate m³/h	Connections	€
1611000057	HydraDS Selfcleaning Filter 3/4" brass rot	4	3/4"	217,56
1611000058	HydraDS Selfcleaning Filter 1" brass rot	5	1"	224,13

OTHERS

Reference	Item Name	Flow Rate m³/h	Connections	€
1611000026	Hydra Self Clean Filter c/w Pleated plastic filter net 90 µm, 3/4"		3/4"	127,21
1611000004	Hydra Self Clean Filter c/w Polyester filter 90 µm, 3/4"		3/4"	106,69
1611000029	Hydra Self Clean Filter c/w Polyester filter 90 µm, 1"	6	1"	99,32

ACCESSORIES

Reference	Item Name	€
1810000036	Automatic Discharge Kit for Hydra Filter	669,05

CINTROPUR FILTERS

CINTROPUR FILTERS WITH DISTRIBUTOR

Reference	Item Name	Connections	€
1602015730	Cintropur filter NW 18	3/4"	91,94
1602015732	Cintropur filter NW 25	3/4"	117,63
1602015731	Cintropur filter NW 25	1"	117,63
1602015733	Cintropur filter NW 32	1 1/4"	167,73
1602010001	Cintropur filter NW 500	2"	532,64
1602010002	Cintropur filter NW 650	2 1/2"	612,93
1602010003	Cintropur filter NW 800	3"	766,33



NW18



NW25



NW32



NW500



NW600



NW800

Reference	Item Name	Connections	€
1602010008	Cintropur filter NW 280	1"	274,93
1602010009	Cintropur filter NW 340	1 1/4"	305,94
1602010010	Cintropur filter NW 400	1 1/2"	385,71



NW280



NW340



NW400

CINTROPUR FILTERS

CINTROPUR FILTERS WITH FILTERING SLEEVES

Reference	Item Name	Connections	€
1602010005	Cintropur filter NW 25 TE-CTN	1 "	124,38
1602013140	Cintropur filter TE 25	1 "	139,49
1602015737	Cintropur filter TE 32	1 1/4"	165,77
1602010004	Cintropur filter NW 500 TE	2"	552,08
1602010006	Cintropur filter NW 25 DUO-CTN	3/4" - 1"	240,26



NW25 DUO-CTN



NW25 TE-CTN



NW32 TE



NW500 TE

ACCESSORIES

GENERAL ACCESSORIES

Reference	Item Name	€
1802003158	Wall bracket Duo stainless steel NW25	44,93
1802015770	Wall bracket PP NW18-25-32	12,26
1802001095	Wall bracket stainless steel NW50-62-75	63,37
1802030028	Wall Bracket NW280-340-400	50,67
1802030018	Wall bracket NW500-650-800	73,86
1802005775	Manometer 1/8" 0-10 bar	16,01
1802030013	Manometer 1/4" 0-20 bar	24,23
1802015774	Spanner for NW18/25/32	4,64
0905055740	Activated carbon *	57,86

* The activated carbon is packed in small barrels of 3.4 litres. One full barrel serves 6 CTN containers, 4 bowls NW 25-TE and 2 bowls NW 32-TE.

CINTROPUR FILTERS

ACCESSORIES

FILTERING SLEEVES

Reference	Item Name	€
NW 18		
1702015741	Set 5 Filtering sleeves type NW 18 - 5 µ	13,32
1702015745	Set 5 Filtering sleeves type NW 18 - 10 µ	15,65
1702015749	Set 5 Filtering sleeves type NW 18 - 25 µ	10,36
1702015753	Set 5 Filtering sleeves type NW 18 - 50 µ	10,36
1702015757	Set 5 Filtering sleeves type NW 18 - 100 µ	11,55
NW 25		
1702025742	Set 5 Filtering sleeves type NW 25 - 5 µ	19,27
1702025746	Set 5 Filtering sleeves type NW 25 - 10 µ	20,32
1702025750	Set 5 Filtering sleeves type NW 25 - 25 µ	14,70
1702025754	Set 5 Filtering sleeves type NW 25 - 50 µ	15,08
1702025758	Set 5 Filtering sleeves type NW 25 - 100 µ	15,94
1702023142	Set 5 Filtering sleeves type NW 25 - Nylon - 150 µ	72,87
1702020001	Set 5 Filtering sleeves type NW 25 - Nylon - 300 µ	69,92
NW 32		
1702035743	Set 5 Filtering sleeves type NW 32 - 5 µ	32,22
1702035747	Set 5 Filtering sleeves type NW 32 - 10 µ	32,59
1702035751	Set 5 Filtering sleeves type NW 32 - 25 µ	25,91
1702035755	Set 5 Filtering sleeves type NW 32 - 50 µ	26,47
1702035759	Set 5 Filtering sleeves type NW 32 - 100 µ	27,31

CINTROPUR FILTERS

ACCESSORIES

FILTERING SLEEVES

Reference	Item Name	€
NW 50 / 62 / 75 / 500 / 650 / 800		
1702040001	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 1 µ	47,37
1702045744	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 5 µ	44,94
1702045748	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 10 µ	37,32
1702045752	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 25 µ	28,23
1702045756	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 50 µ	29,84
1702045760	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 100 µ	31,02
1702043147	Set 5 Filtering sleeves type NW 50 / 62 / 75 - Nylon - 150 µ	121,14
1702045761	Set 5 Filtering sleeves type NW 50 / 62 / 75 - Nylon - 300 µ	119,05
NW 280		
1702050001	Set 5 Filtering sleeves type NW280 - 1 µ	27,34
1702050002	Set 5 Filtering sleeves type NW280 - 5 µ	26,61
1702050003	Set 5 Filtering sleeves type NW280 - 10 µ	24,53
1702050004	Set 5 Filtering sleeves type NW280 - 25 µ	22,40
1702050005	Set 5 Filtering sleeves type NW280 - 50 µ	23,32
1702050006	Set 5 Filtering sleeves type NW280 - 100 µ	23,92
1702050007	Set 5 Filtering sleeves type NW280 - 150 µ	87,60
1702050008	Set 5 Filtering sleeves type NW280 - 300 µ	82,76
NW 340		
1702033145	Set 5 Filtering sleeves type NW 32 - Nylon - 150 µ	108,82
1702030001	Set 5 Filtering sleeves type NW 32 - Nylon - 300 µ	107,16
1702060001	Set 5 Filtering sleeves type NW340 - 1 µ	39,25
1702060002	Set 5 Filtering sleeves type NW340 - 5 µ	38,46
1702060003	Set 5 Filtering sleeves type NW340 - 10 µ	37,43
1702060004	Set 5 Filtering sleeves type NW340 - 25 µ	34,71
1702060005	Set 5 Filtering sleeves type NW340 - 50 µ	35,45
1702060006	Set 5 Filtering sleeves type NW340 - 100 µ	36,05
1702060007	Set 5 Filtering sleeves type NW340 - 150 µ	107,88
1702060008	Set 5 Filtering sleeves type NW340 - 300 µ	104,12

CINTROPUR FILTERS

ACCESSORIES

FILTERING SLEEVES

Reference	Item Name	€
NW 400		
1702070001	Set 5 Filtering sleeves type NW400 - 1 µ	52,73
1702070002	Set 5 Filtering sleeves type NW400 - 5 µ	49,57
1702070003	Set 5 Filtering sleeves type NW400 - 10 µ	48,36
1702070004	Set 5 Filtering sleeves type NW400 - 25 µ	42,22
1702070005	Set 5 Filtering sleeves type NW400 - 50 µ	44,15
1702070006	Set 5 Filtering sleeves type NW400 - 100 µ	45,38
1702070007	Set 5 Filtering sleeves type NW400 - 150 µ	121,09
1702070008	Set 5 Filtering sleeves type NW400 - 300 µ	125,44
NW 500		
1702040001	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 1 µ	47,37
1702045744	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 5 µ	44,94
1702045748	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 10 µ	37,32
1702045752	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 25 µ	28,23
1702045756	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 50 µ	29,84
1702045760	Set 5 Filtering sleeves type NW 50 / 62 / 75 - 100 µ	31,02
1702043147	Set 5 Filtering sleeves type NW 50 / 62 / 75 - Nylon - 150 µ	121,14
1702045761	Set 5 Filtering sleeves type NW 50 / 62 / 75 - Nylon - 300 µ	119,05

CINTROPUR FILTERS

SPARE PARTS

NW 18 - 25 - 32

N°	Reference	Item Name	€
1	1802015787	Filter head	24,08
2	1802015771	Centrifugal screw	1,89
3	1802015792	PVC support for sleeves NW18	12,90
4	1802015784	PVC support for sleeves NW 25	21,88
5	1802015785	PVC support for sleeves NW 32	33,35
6	1802015768	PVC cover for filtersupport	2,07
7	1802005781	Complete connections NW18/NW25 (3/4")	6,90
8	1802005782	Complete connections NW25 (1")	14,02
9	1802005783	Complete connections NW32	7,93
10	1802015776	O ring for NW 18/25/32	3,28
11	1802013154	O-ring for connections	1,73
12	1802005791	Air screw with o-ring	2,70
13	1802015765	Transparant bowl NW18	15,42
14	1802015764	Transparant bowl NW25	26,59
15	1802015766	Transparant bowl NW32	43,61



* Not shown

CINTROPUR FILTERS

SPARE PARTS

NW 18 - 25 - 32

N°	Reference	Item Name	€
16	1802013156	Black bowl NW25	26,59
17	1802013157	Black bowl NW32	43,74
18	1802020001	Filtercartridge CTN empty	32,72
19*	1802015778	Riser tube NW25	69,01
20*	1802015779	Riser tube NW32	92,96
21	1802015774	Spanner for NW18/25/32	4,64
22	1802015762	Tap 1/4"	21,44
23	1802005775	Manometer 1/8" 0-10 bar	16,01
24	1802015770	Wall bracket PP NW18-25-32	12,26
25	1802003158	Wall bracket Duo stainless steel NW25	44,93
26*	1802013152	Connection piece with o-rings NW 25	12,32

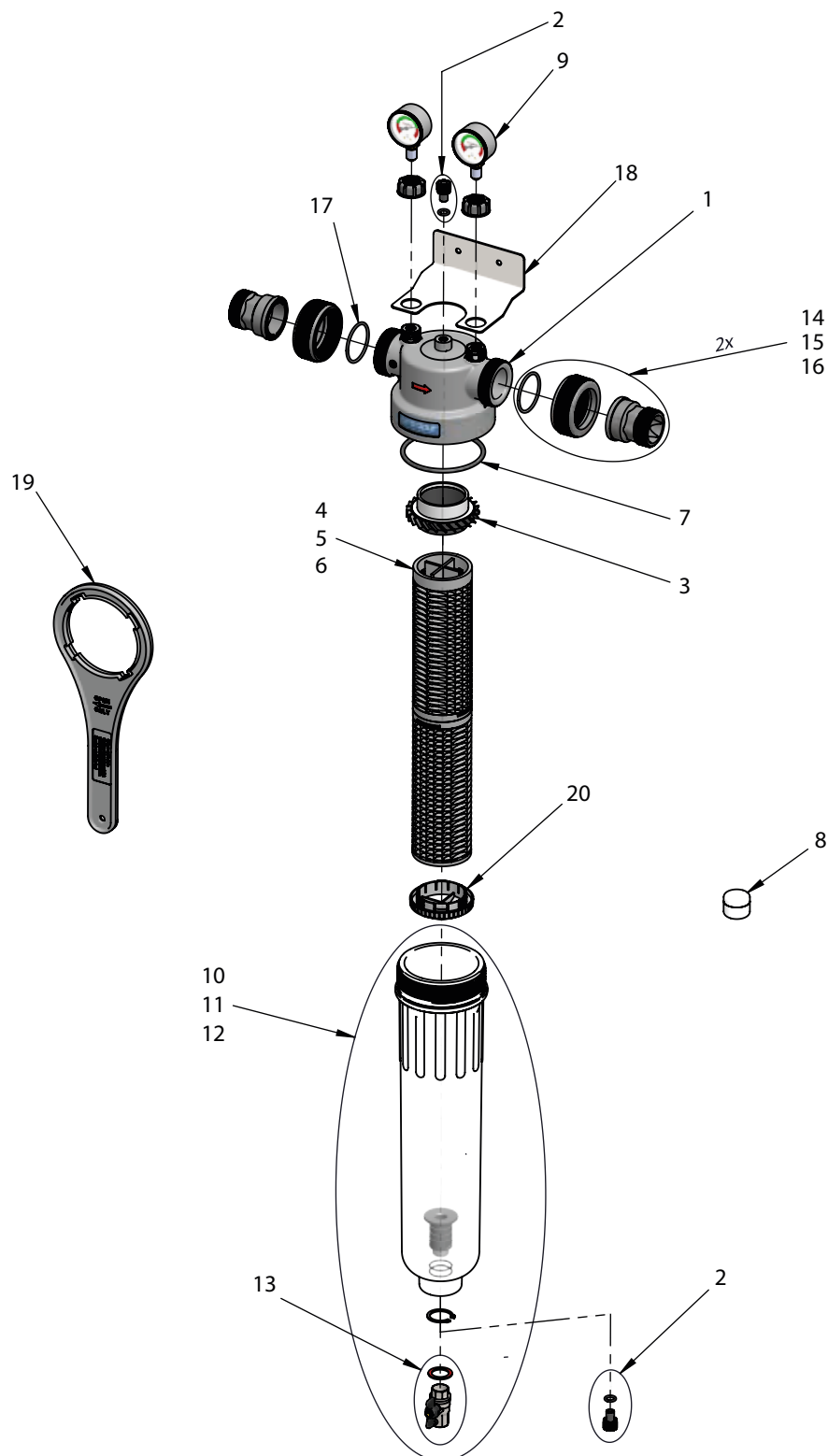


* Not shown

CINTROPUR FILTERS

SPARE PARTS

NW 280 - 340 - 400



CINTROPUR FILTERS

SPARE PARTS

NW 280 - 340 - 400

N°	Reference	Item Name	€
1	1802040001	Filter head NW280-340-400	61,59
2	1802005791	Air screw with o-ring	2,70
3	1802040002	Centrifugal screw NW280-340-400	11,07
4	1802040003	Support PVC filter NW280	20,55
5	1802040004	Support PVC filter NW340	35,13
6	1802040005	Support PVC filter NW400	46,75
7	1802040006	Filter bowl o-ring NW280-340-400	4,34
8	1802040007	Grease for o-ring (20g) NW280-340-400	22,86
9	1802030013	Manometer 1/4" 0-20 bar	24,23
13	1802040011	Ball valve 1/2" + joint NW280-340-400	23,12
14	1802040013	Connection set 1" NW280	26,46
15	1802040014	Connection set 1 1/4" NW340	32,16
16	1802040015	Connection set 1 1/2" NW400	50,79
17	1802040016	O-ring connection NW280-340-400	1,51
18	1802030028	Wall Bracket NW280-340-400	50,67
19	1802040017	Key NW280-340-400	11,61
20	1802040018	Lid NW280-340-400	7,02

nr 10, 11 & 12 is not available anymore

CINTROPUR FILTERS

SPARE PARTS

NW 500 - 650 - 800

N°	Reference	Item Name	€
1	1802030001	Filter head NW500/NW650	148,89
2	1802030002	Filter head NW800	256,87
3	1802030003	Centrifugal screw	16,72
4	1802030004	PVC support for sleeves	42,82
5	1802030005	PVC cover for filter support	15,56
6	1802030006	O ring for NW 500/650/800	4,27
7	1802005791	Air screw with o-ring	2,70
8	1802030007	Transparant bowl	136,78
9	1802030009	Black bowl	142,99
10	1802030010	Riser tube	114,43
11	1802030012	Tap 3/4"	35,96
12	1802030015	Connection NW500	69,68
13	1802030016	Flange NW650	109,40
14	1802030017	Flange NW800	145,62
15	1802030018	Wall bracket NW500-650-800	73,86
16	1802030013	Manometer 1/4" 0-20 bar	24,23
17	1802030014	Spanner	16,64



CINTROPUR FILTERS

CINTROPUR UV

CINTROPUR - TRIO-UV



Connections	3/4" or 1"
Flow Rate	2 m³/h (30°C)
Max Operating Pressure	16 bar
Max Temperature	50 °c
Water Transmission	Min. 90%
Lamp power	25 W

Reference	Item Name	Connections	€
2514008231	Cintropur - TRIO-UV 25W	3/4" - 1"	1.024,62

CINTROPUR - TIO UV



Connections	1"
Flow Rate	2 m³/h (30°C)
Max Operating Pressure	16 bar
Max Temperature	50 °c
Water Transmission	Min. 90%
Lamp power	25 W

Reference	Item Name	Connections	€
2514000001	Cintropur TIO 1" - UV	1"	2.077,67

The UV quartz needs to be replaced every 5 years.
The UV lamp needs to be replaced once a year (9000 hours)

MULTI CARTRIDGES FILTER

STAINLESS STEEL AQUALINE



Reference	Item Name	Filter Cartridges	Conn.	Dimensions mm	Weight kg	Flow Rate m³/h @ 5μ	€
1612020001	ACF320	3 x 20"	2" (DN50)	375x426x954	19	6	on request
1612020002	ACF330	3 x 30"	2" (DN50)	375x426x1200	22	9	on request
1612020003	ACF340	3 x 40"	2" (DN50)	375x426x1250	24	12	on request
1612020004	ACF520	5 x 20"	2" (DN50)	425x470x973	23	10	on request
1612020005	ACF530	5 x 30"	2" (DN50)	425x470x1223	27	15	on request
1612020006	ACF540	5 x 40"	2" (DN50)	425x470x1473	32	20	on request
1612020007	ACF830	8 x 30"	2 1/2" (DN65)	435x440x1235	37	24	on request
1612020008	ACF840	8 x 40"	2 1/2" (DN65)	435x440x1485	44	32	on request
1612020009	ACF1230	12 x 30"	3" (DN80)	490x485x1238	49	36	on request
1612020010	ACF1240	12 x 40"	3" (DN80)	490x485x1538	58	48	on request
1612020011	ACF1640	16 x 40"	4" (DN100)	595x600x1550	82	64	on request
1612020013	ACF2740	27 x 40"	5" (DN125)	790x790x1574	115	108	on request

Threaded connection between ACF320 to ACF540. Flanged connection between ACF830 to ACF 2740.

FILTERS

BAG FILTER

AQUALINE STAINLESS STEEL

Some features of the Aqualine SS Bag Filters:

- OPERATING PRESSURE : 7 bar (max)
- MATERIAL : AISI304 L Stainless Steel
- FILTRATION : 1-200 Micron



Item Nr.	Model	Connection (inch)	Capacity (m³/h)	Dimensions (mm)	Weight (kg)	€
	ABF732	2" (DN50) thread	10	430 x 440 x 1075	19	on request
	ABF3 x 732	3" (DN80) thread	30	625 x 660 x 1180	100	on request

Some features of the Aqualine SS Bag Filters:

- OPERATING PRESSURE : 7 bar (max)
- MATERIAL : PVC
- FILTRATION : 1-200 Micron



Item Nr.	Model	Connection (inch)	Capacity (m³/h)	Dimensions (mm)	Weight (kg)	€
	PVC732 AYB	2" (DN50)	10	400 x 420 x 1180	18	on request

Prices are without bag filter elements.

BAGS

Item Nr.	Model	Filtration sensivity	Dimensions (mm)	Weight (kg)	€
	7" - 32"	5 - 10 - 25 - 50 - 100 - 200 micron	170 x 820	18	on request

SEPARATORS

AQUALINE

STAINLESS STEEL AISI 304

Reference	Item Name	Conn.	Diameter mm	Height mm	Flow Rate Range	€
1612016220	SP100	1/2"	160	510	1 - 1,5 m³/h	on request
1612016221	SP150	3/4"	160	510	2 - 7,5 m³/h	on request
1612016222	SP175	1"	160	780	6,5 - 11 m³/h	on request
1612016223	SP200	1 1/4"	160	780	10 - 16 m³/h	on request
1612016224	SP250	1 1/2"	160	786	14,5 - 18 m³/h	on request
1612016225	SP350	2"	206	925	17,5 - 24,5 m³/h	on request
1612016226	SP450	2 1/2"	206	1028	22 - 35 m³/h	on request
1612016227	SP600	3"	250	1171	33,5 - 66 m³/h	on request
1612016228	SP800	4"	324	1471	64 - 110 m³/h	on request

Drain line: 1", DN25

Threaded connection between SP 100 to SP 600. Flanged connection on SP 800.



STAINLESS STEEL AISI 316

Reference	Item Name	Conn.	Diameter mm	Height mm	Flow Rate Range	€
1612016211	SP100	1/2" - 1 1/2"	160	510	1 - 1,5 m³/h	on request
1612016212	SP150	3/4"	160	510	2 - 7,5 m³/h	on request
1612016213	SP175	1"	160	780	6,5 - 11 m³/h	on request
1612016214	SP200	1 1/4"	160	780	10 - 16 m³/h	on request
1612016215	SP250	1 1/2"	160	786	14,5 - 18 m³/h	on request
1612016216	SP350	2"	206	925	17,5 - 24,5 m³/h	on request
1612016217	SP450	2 1/2"	206	1028	22 - 35 m³/h	on request
1612016218	SP600	3"	250	1171	33,5 - 66 m³/h	on request
1612016219	SP800	4"	324	1471	64 - 110 m³/h	on request

Drain line: 1", DN25

PALLAS MAGNETIC FILTERS

MAGNETIC BAG FILTERS

DESCRIPTION

Pallas magnetic bag filter housings are devices for clarifying water in closed heating and cooling circuits. They are constructed of stainless steel and feature a high strength magnetic core with bag filter.

Closed water systems may contain suspended particulates of iron and other system materials. Deposition of these particulates can cause:

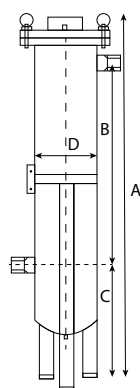
- heat transfer loss – increase in energy usage
- under-deposit corrosion – asset failures, downtime.
- absorption of chemical treatment, making it difficult to maintain desired residuals.
- pump seal leaks – water loss/makeup allowing oxygen ingress and system corrosion cycle.
- bacterial habitat

Pallas magnetic filters are an effective response to these problems.



	DN 20	DN 32	DN 40	DN 50	DN 50F	DN 80F
Flow Rate	5 - 7 m ³ /h	8 - 10 m ³ /h	15 - 20 m ³ /h	25 - 40 m ³ /h	25 - 40 m ³ /h	32 - 50 m ³ /h
Pressure drop	0.15 bar	0.15 bar	0.21 bar	0.21 bar	0.21 bar	0.21 bar
Diameter	202 mm	202 mm	312 mm	312 mm	380 mm	380 mm
Diameter Lid	202 mm	202 mm	312 mm	312 mm	312 mm	312 mm

DIMENSIONS



	DN 20	DN 32	DN 40	DN 50	DN 50F	DN 80F
A (min)	730 mm	730 mm	830 mm	1120 mm	1120 mm	1120 mm
B	355 mm	355 mm	480 mm	800 mm	800 mm	800 mm
C (min)	190 mm	190 mm	165 mm	165 mm	188 mm	188 mm
C (max)	440 mm	440 mm	495 mm	485 mm	858 mm	858 mm
D	114 mm	114 mm	219 mm	219 mm	219 mm	219 mm

Depending on the height position of the adjustable belt, the dimension "C" is variable.

PALLAS MAGNETIC FILTERS

MAGNETIC BAG FILTERS

PALLAS MAGNETIC FILTER PREMIUM

Reference	Item Name	€
1632015148	Pallas Magnetic Filter Premium DN20 - 3/4" - 5m ³ - BSP - 2 pressure gauges - 1 magnet - kit01	719,86
1632010904	Pallas Magnetic Filter Premium DN32 - 1"1/4 - 5m ³ - BSP - 2 pressure gauges - 1 magnet - kit01	719,86
1632010905	Pallas Magnetic Filter Premium DN40 - 1"1/2 - 20m ³ - BSP - 2 pressure gauges - 2 magnets - kit02	1.078,42
1632010906	Pallas Magnetic Filter Premium DN50 - 2" - 40m ³ - BSP - 2 pressure gauges - 2 magnets - kit03	1.318,45
1632015096	Pallas Magnetic Filter Premium DN50 - 2" - 40m ³ - Flanged - 2 pressure gauges - 2 magnets - kit03	on request
1632010908	Pallas Magnetic Filter Premium DN80 - 3" - 50m ³ - Flanged - 2 pressure gauges - 2 magnets - kit03	1.459,25

PALLAS MAGNETIC FILTER PREMIUM PLUS

Reference	Item Name	€
1632015139	Pallas Magnetic Filter Premium Plus - DN20 - 3/4" - 5m ³ - BSP - circulation pump 20/32 - connector	967,91
1632013971	Pallas Magnetic Filter Premium Plus - DN32 - 1"1/4" - 5m ³ - BSP - circulation pump 20/32- connector	923,84
1632013972	Pallas Magnetic Filter Premium Plus - DN32 - 1"1/4" - 5m ³ - BSP - circulation pump 32/40 - connector	1.303,55
1632013974	Pallas Magnetic Filter Premium Plus - DN40 - 1"1/2 - 20m ³ - BSP - circulation pump 32/40 - connector	1.703,00
1632013975	Pallas Magnetic Filter Premium Plus - DN40 - 1"1/2 - 20m ³ - BSP - circulation pump 40/50 - connector	1.845,50
1632013976	Pallas Magnetic Filter Premium Plus - DN50 - 2" - 40m ³ - BSP - circulation pump 40/50 - connector	2.092,97
1632013978	Pallas Magnetic Filter Premium Plus - DN80 - 3" - 50m ³ - Flanged - circulation pump 50B	2.587,24
1632013979	Pallas Magnetic Filter Premium Plus - DN80 - 3" - 50m ³ - Flanged - circulation pump 80B	4.143,60

Efficient circulation pump 20/32:

- The profile of the box now makes it possible to reach the screws of the motor without problem
- The product data is displayed on the front panel for easy reading
- The push button system allows a simple and precise adjustment
- The different types of settings could all be integrated on the same model
- The degassing, restarting and locking functions could be generalized to all models
- The permissible nominal pressure has changed from PN6 to PN10

This new generation of electronics will be extended to the rest of the range in the following year

PALLAS MAGNETIC FILTERS

ACCESSORIES

FOULING BOX

The Pallas magnetic filter fouling box allows the measurement of the pocket's soiling.

This kit is installed in addition to your pocket filter. It allows you to transmit the status of the pocket filter in real time via a dry contact.

The box can be installed either on the filter or on the protective cover. It is inserted between the two manometer tappings. This connection allows the manometers to be fitted for visual reading of the value and to transmit the information to the sensor box.



FEATURES

- Fits on all our Pallas magnetic filters. Compatible with all magnetic bag filters if there are two upstream/downstream pressure connections!
- Reduces the risk of pocket clogging
- Allows the circulator to be controlled electrically
- Filter and/or circulator defect carry-over alarm
- Light to indicate the status of the filter on site
- Opportunity to set the pressure engagement threshold from 0.4 bar to 1 bar (defect 0.6)
- Two pressure sensors in 4-20 mA
- Easy mounting on the nameplate
- Belt option available for installation with insulating sleeve

Reference	Item Name	€
1819000150	Pallas magnetic filter fouling box	803,22
1819000151	Belt option for insulating sleeve (straps)	22,65
1819000152	Pressure switch mounting kit: 2 complete sets of 2 ball valves 1/2" spherical	43,09

PALLAS MAGNETIC FILTERS

ACCESSORIES

INSULATION JACKETS

This cover protects the filter unit completely from heat loss in the heating systems and from condensation in chilled water installations. It can be easily mounted without tools, after connecting the filter to the installation and around the body, cover and bottom of the unit. It isolates the entire filter.

The inside of the unit can be reached easily by removing the insulated cap. This will simplify the maintenance.

Cleanliness site: Condensation removed: more water runoff

Saving energy: no more energy losses around the filter.



Reference	Item Name	€
1819007094	Universal Insulated Cover for Filter DN20 + Connections	341,66
1819007095	Universal Insulated Cover for Filter DN32 + Connections	341,66
1819007096	Universal Insulated Cover for Filter DN40 + Connections	415,32
1819007097	Universal Insulated Cover for Filter DN50 + Connections	465,67
1819007098	Universal Insulated Cover for Filter DN80 + Connections	465,67

PALLAS MAGNETIC FILTERS

ACCESSORIES

INSULATION SHELLS FOR CIRCULATION PUMPS

For the thermal insulation (to be provided by the customer) of the pump body in heating applications. Reduces the heating costs of the pump up to 85%.

FEATURES

- Reduced energy consumption of the heating system
- Energy saving
- Resistance to acids, salts, many acids, acids and fats
- Uniform heat distribution throughout the pump
- Protection against energy loss
- Non-polluting for groundwater, without foaming product, without formaldehyde
- Recyclable up to 100%

Reference	Item Name	€
1819000124	Insulation shell for circulation pump 20/32	13,91
1819000120	Insulation shell for circulation pump 32/40	17,89
1819000121	Insulation shell for circulation pump 40/50	19,89
1819000122	Insulation shell for circulation pump DN50	on request
1819000123	Insulation shell for circulation pump DN80	39,77

PALLAS MAGNETIC FILTERS

CONSUMABLES

FILTER BAG

Reference	Item Name	€
1732000001	Filter bag for DN20 and DN32 (50µm - diameter 4" - length 15")	5,14
1732000002	Filter bag for DN40 (50µm - diameter 7" - length 17")	5,60
1732000010	Filter bag for DN50 and DN80 (50µm - diameter 7" - length 32")	6,52

SEALS

Reference	Item Name	€
1732000012	Seal (EPDM) for basket DN20 & DN32	3,11
1732000013	Seal (EPDM) for basket DN40, DN50 & DN80	3,11
1732000014	Seal (EPDM) for lid DN20 & DN32	3,11
1732000015	Seal (EPDM) for lid DN40, DN50 & DN80	3,11

FILTERS

DISC FILTER

MAIN FEATURES:

AZUD HELIX system. The Helix device creates a centrifugal action that optimizes the filtration performance and reduces the backwash and maintenance frequency.

Disc Filtration with Maximum Safety. Its patented design and the high quality materials employed during the manufacture, guarantee an extended life span with high resistance.

Modularity. The modular system enable a wide range of flow rates and configurations using a minimum number of components.

Manufactured in plastic materials.

Low Maintenance. Simple maintenance labours with no tools required.

The exclusive Butterfly System used for locking the filter elements allows for easy decompression of the disc stack during backwash. It also allows easy handling and disc maintenance.

Water and energy savings.



AZUD HELIX AUTOMATIC RANGE FT200 DLP

Fresh and low salinity water filtration equipment (tds < 6000 ppm)

- Equipment with 1 - 12 Filters Ø 2" (rPA).
- 1 x 2"- Diaphragm 3-way backwash valve (rPA - A/INOX 304 shaft).
- Hydraulic command (H).
- Control unit: FBC 103/112.

- Q max. 130 micron: 24 - 288 m³/h (106 - 1268 gpm).
- Q max. 50 micron: 14 - 168 m³/h (62 - 740 gpm).

Item Nr.

Item Name

€

On request depending on flow rate

FILTERS

DISC FILTER

AZUD HELIX AUTOMATIC RANGE FT200 AW DLP

High salinity water filtration equipment (tds: 6000 - 35000 ppm)

- Equipment with 1 - 12 Filters Ø 2" (rPA).
- 1 x 2"- Diaphragm 3-way backwash valve (rPA - A/INOX 316L shaft).
- Pneumatic command (PN).
- Control unit: FBC 103/112 SW.

- Q max. 130 micron: 24 - 288 m³/h (106 - 1268 gpm).
- Q max. 50 micron: 14 - 168 m³/h (62 - 740 gpm).

Item Nr.	Item Name	€
	On request depending on flow rate	

AZUD HELIX AUTOMATIC RANGE *700 SW DLP

Sea water filtration equipment (tds: 35000 - 55000 ppm)

- Equipment with 2 - 8 Filters Ø 2" (rPA).
- 2 x 2"- Butterfly 2-way backwash valve (rPP - PP plate).
- Pneumatic command (PN).
- Control unit: FBC 103/112 SW.

- Q max. 130 micron: 52 - 208 m³/h (229 - 916 gpm).
- Q max. 50 micron: 28 - 112 m³/h (123 - 493 gpm).

Item Nr.	Item Name	€
	On request depending on flow rate	

FILTERS

DISC FILTER

AZUD HELIX AUTOMATIC RANGE *700 CL DLP

Chlorinated water filtration equipment

- Equipment with 2 - 8 Filters Ø 2" (rPP) - Chlorine resistant.
- 2 x 2"- Butterfly 2-way backwash valve (rPP - PP plate).
- Pneumatic command (PN).
- Control unit: FBC 103/112 N.

- Q max. 130 micron: 52 - 208 m³/h (229 - 916 gpm).
- Q max. 50 micron: 28 - 112 m³/h (123 - 493 gpm).

Item Nr.	Item Name	€
	On request depending on flow rate	

AZUD HELIX AUTOMATIC RANGE *700 DW DLP

Drinking water filtration equipment

- Equipment with 2 - 8 Filters Ø 2" (rPA-fg) - Food grade.
- 2 x 2"- Butterfly 2-way backwash valve (rPP - PP plate).
- Pneumatic command (PN).
- Control unit: FBC 103/112 N.

- Q max. 130 micron: 52 - 208 m³/h (229 - 916 gpm).
- Q max. 50 micron: 28 - 112 m³/h (123 - 493 gpm).

Item Nr.	Item Name	€
	On request depending on flow rate	

FILTERS

AUTOMATIC ELECTRIC SCREEN FILTER

AZUD LUXON LXE



MAIN FEATURES:

- Automatic self-cleaning horizontal screen filtration equipment electric commanded.
- Filtration surface of up to 21300 cm² and a maximum flow (for 125 µm) of up to 1400 m³/h.
- The cleaning mechanism includes suction nozzles.
- Models specified for fresh water, sea water, drinking water and high pressure water.
- Connection diameter from 3" to 20" available in flange DIN 2576 and flange ANSI B16.5 Class 150.

AZUD LUXON LDB

MAIN FEATURES:

- Vertical equipment with automatic screen filtering and electric activation. Their filtering surface is up to 21300 cm² and they can withstand flows of up to 1400 m³/h.
- Using a nozzle cleaning system, they can treat sea, fresh, drinking and pressure water.
- Connection diameter from 2" to 20" available in flange DIN 2576 and flange ANSI B16.5 Class 150.
- Flow rate from 15 m³/h to 1800 m³/h.
- Large filtration surface.



Models and prices are on request

HOSES

A hose is a flexible hollow tube designed to carry fluids from one location to another. Hose design is based on a combination of application and performance. Common factors are size, pressure rating, weight, length, straight hose or coilhose, and chemical compatibility. Hoses are made from one or a combination of many different materials.

BENEFITS

- Large stock
- Different materials
- Different configurations & sizes available

TYPES

- Synthetic flexible hoses
- Stainless steel flexible hoses
- Different connections



HOSES

SYNTHETIC FLEXIBLE HOSES

These high-quality, non-toxic EPDM rubber hoses can be used for sanitary and (drinking) water connections. The FLATFLEX 22 flexible water hoses are fitted with a firm polyamide braid and are very suited for cold water connections.



Female With elbow (FC) - Female (F)



Male (M) - Female (F)



Female (F) - Female (F)

3/4" M - 3/4" F

Reference	Item Name	Length	€
2701045642	HSH Flatflex Pa22 3/4" M x 3/4" F - DN20 - 80 cm	80 cm	13,15
2701045643	HSH Flatflex Pa22 3/4" M x 3/4" F - DN20 - 100 cm	100 cm	16,28
2701045645	HSH Flatflex Pa22 3/4" M x 3/4" F - DN20 - 150 cm	150 cm	21,20
2701045646	HSH Flatflex Pa22 3/4" M x 3/4" F - DN20 - 200 cm	200 cm	23,04

3/4" F - 3/4" F

Reference	Item Name	Length	€
2701045661	HSH Flatflex Pa22 3/4" F x 3/4" F - DN20 - 80 cm	80 cm	13,60
2701045662	HSH Flatflex Pa22 3/4" F x 3/4" F - DN20 - 100 cm	100 cm	15,41
2701045663	HSH Flatflex Pa22 3/4" F x 3/4" F - DN20 - 125 cm	125 cm	17,62

3/4" F - 3/4" F WITH ELBOW

Reference	Item Name	Length	€
2701045673	HSH Flatflex Pa22 3/4" F x 3/4" FC - DN20 - 80 cm	80 cm	17,17
2701043487	HSH Flatflex Pa22 3/4" F x 3/4" FC - DN20 - 100 cm	100 cm	19,26
2701049549	HSH Flatflex Pa22 3/4" F x 3/4" FC - DN20 - 125 cm	125 cm	20,55

HOSES

SYNTHETIC FLEXIBLE HOSES



Female With elbow (FC) - Female (F)



Male (M) - Female (F)



Female (F) - Female (F)

1" M - 3/4" F

Reference	Item Name	Length	€
2701065649	HSH Flatflex Pa22 1" M x 3/4" F - DN20 - 80 cm	80 cm	23,14
2701065650	HSH Flatflex Pa22 1" M x 3/4" F - DN20 - 100 cm	100 cm	15,47

1" M - 1" F

Reference	Item Name	Length	€
2701075657	HSH Flatflex Pa22 1" M x 1" F - DN25 - 80 cm	80 cm	19,44
2701075658	HSH Flatflex Pa22 1" M x 1" F - DN25 - 100 cm	100 cm	41,82

1" F - 1" F

Reference	Item Name	Length	€
2701075668	HSH Flatflex Pa22 1" F x 1" F - DN25 - 80 cm	80 cm	21,32
2701075669	HSH Flatflex Pa22 1" F x 1" F - DN25 - 100 cm	100 cm	22,79

1" F - 1" F WITH ELBOW

Reference	Item Name	Length	€
2701075675	HSH Flatflex Pa22 1" F x 1" FC - DN25 - 80 cm	80 cm	23,51
2701074897	HSH Flatflex Pa22 1" F x 1" FC - DN25 - 100 cm	100 cm	27,72

HOSES

STAINLESS STEEL FLEXIBLE HOSES

This non-toxic EPDM rubber hose is very suited for sanitary and (drink) water connections. The SUPERFLEX 20 sanitary hoses are fitted with a durable stainless steel braid, offering a solid and stylish finish in case of connection to toilets, showers or taps.



Female With elbow (FC) - Female (F)



Male (M) - Female (F)



Female (F) - Female (F)

3/4" M - 3/4" F

Reference	Item Name	Length	€
2701045680	HSH Superflex Stainless Steel 3/4" M x 3/4" F - DN20 - 80 cm	80 cm	13,37

3/4" F - 3/4" F

Reference	Item Name	Length	€
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3/4" F - 3/4" F WITH ELBOW

Reference	Item Name	Length	€
2701045703	HSH Superflex Stainless Steel 3/4" F x 3/4" FC - DN20 - 80 cm	80 cm	16,60
2701046236	HSH Superflex Stainless Steel 3/4" F x 3/4" FC - DN20 - 100 cm	100 cm	31,48

1" M - 1" F

Reference	Item Name	Length	€
2701075683	HSH Superflex Stainless Steel 1" M x 1" F - DN25 - 80 cm	80 cm	18,88
2701075684	HSH Superflex Stainless Steel 1" M x 1" F - DN25 - 100 cm	100 cm	21,39

1" M + NIPPLE X 1" F

Reference	Item Name	Length	€
2701075699	HSH Superflex Stainless Steel 1" M + Nipple x 1" R - DN25 - 25 cm	25 cm	19,18
2701075701	HSH Superflex Stainless Steel 1" M + Nipple x 1" R - DN25 - 35 cm	35 cm	20,14
2701075702	HSH Superflex Stainless Steel 1" M + Nipple x 1" R - DN25 - 50 cm	50 cm	29,81

HOSES

STAINLESS STEEL FLEXIBLE HOSES



Female With elbow (FC) - Female (F)



Male (M) - Female (F)



Female (F) - Female (F)

1" M - 1" F WITH ELBOW

Reference	Item Name	Length	€
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1" F - 1" F

Reference	Item Name	Length	€
2701076417	HSH Superflex Stainless Steel 1" F x 1" F - DN25 - 80 cm	80 cm	27,72

1" F - 1" F WITH ELBOW

Reference	Item Name	Length	€
2701075365	HSH Superflex Stainless Steel 1" F x 1" FC - DN25 - 80 cm	80 cm	23,62
2701075704	HSH Superflex Stainless Steel 1" F x 1" FC - DN25 - 100 cm	100 cm	26,56

HOSES

STAINLESS STEEL FLEXIBLE HOSES



Female With elbow (FC) - Female (F)



Male (M) - Female (F)



Female (F) - Female (F)

1" 1/4 M - 1" 1/4 F

Reference	Item Name	Length	€
2701095686	HSH Superflex Stainless Steel 1" 1/4 M x 1" 1/4 F - DN32 - 80 cm	80 cm	36,50
2701095687	HSH Superflex Stainless Steel 1" 1/4 M x 1" 1/4 F - DN32 - 100 cm	100 cm	41,09

1" 1/2 M - 1" 1/2 F

Reference	Item Name	Length	€
2701105689	HSH Superflex Stainless Steel 1" 1/2 M x 1" 1/2 F - DN40 - 80 cm	80 cm	52,59
2701105690	HSH Superflex Stainless Steel 1" 1/2 M x 1" 1/2 F - DN40 - 100 cm	100 cm	52,32

2" M - 2" F

Reference	Item Name	Length	€
2701115692	HSH Superflex Stainless Steel 2" M x 2" F - DN50 - 80 cm	80 cm	85,46
2701115693	HSH Superflex Stainless Steel 2" M x 2" F - DN50 - 100 cm	100 cm	90,23

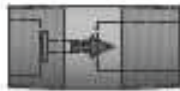
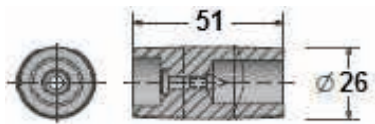
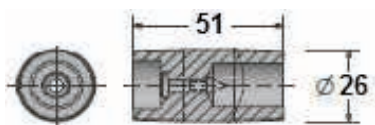
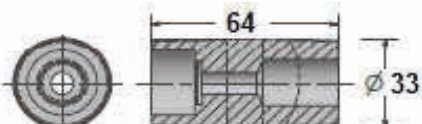
EXTERNAL FLOW CONTROLLERS

SERVICE FLOW CONTROLS

External flow controllers are easily mounted in a pipe line in order to restrict the maximum water passage.

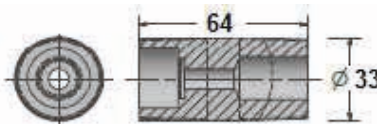
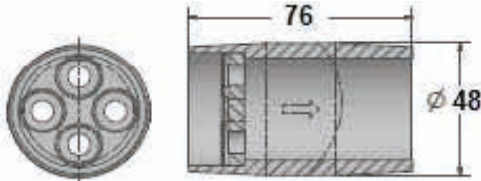
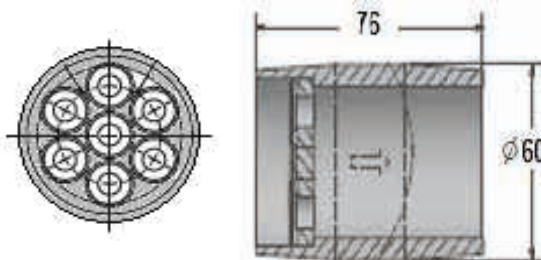
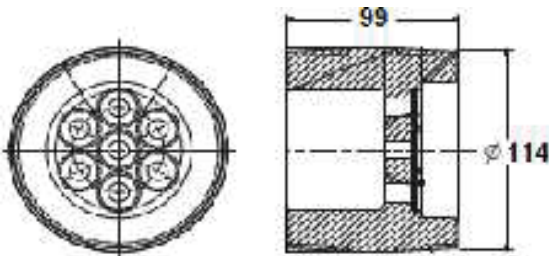
This may be at the drain water outlet of a valve (Drain Flow Controller DFC - limitation of the bed expansion) or at the treated water outlet (Service Flow Controller SFC - restriction of the bed contact time, specified by the medium and the working conditions).

The housings of the here presented flow controllers are in PVC and can contain 1, 4 or 7 inserts, according the model of housing.

Model	Connection (inch) / number of inserts / dimensions (mm)	GPM
V2002-MCH-BSPT 	CONNECTIONS : 2X 3/4" MM BSPT NUMBER OF INSERTS : 1 	0,25
		0,4
		0,5
		0,6
		0,7
		0,8
		0,9
		1,0
		1,2
		1,4
		1,6
		1,8
		2,0
		2,2
		2,5
		3,0
		3,5
V2002-B-MCH-BSPT 	CONNECTIONS : 2X 3/4" MM BSPT NUMBER OF INSERTS : 1 	5
		6
		7
		8
		9
		10
V2003-MCH-BSPT 	CONNECTIONS : 2X 1" MM BSPT 5 NUMBER OF INSERTS : 1 	5
		6
		7
		8
		9
		10

EXTERNAL FLOW CONTROLLERS

SERVICE FLOW CONTROLS

Model		Connection (inch) / number of inserts / dimensions (mm)						GPM
V2003-A-MCH-BSPT 		CONNECTIONS : 2X 1" MM BSPT NUMBER OF INSERTS : 1X (12 / 15 / 20) 						12
								15
								20
V2005-MCH-BSPT 		CONNECTIONS : 2X 1 1/2" MM BSPT NUMBER OF INSERTS : 4X (5 / 6 / 7 / 8 / 9 / 10 GPM) 						20 4X5
								25 3X6 + 1X7
								30 2X7 + 2X8
								35 3X9 + 1X8
								40 4X10
V2003-MCH-BSPT 		CONNECTIONS : 2X 2" MM BSPT NUMBER OF INSERTS : 7X (5 / 6 / 7 / 8 / 9 / 10 GPM) 						45 2X10 + 5X5
								50 3X10 + 4X5
								55 4X10 + 3X5
								60 5X10 + 2X5
								65 6X10 + 1X5
								70 7X10
V2009-78B-MCH-BSPT 		CONNECTIONS : 2X 4" MM BSPT NUMBER OF INSERTS : 7X (0 / 12 / 15 / 20 GPM) 						45 3X15
								50 1X20 + 2X15
								55 2X20 + 1X15
								60 3X20
65 1X20 + 3X15	70 2X20 + 2X15	75 3X20 + 1X15	80 4X20	85 2X20 + 3X15	90 3X20 + 2X15	95 4X20 + 1X15	100 5X20	
105 3X20 + 3X15	"110 4X20 + 2X15"	115 5X20 + 1X15	120 6X20	125 4X20 + 3X15	130 5X20 + 2X15	135 6X20 + 1X15	140 7X20	

Possible reduction to : 3" - 2 1/2" - 2" brass or
via 2x socket 4
and short reductions

90 - 75 - 63 mm PVC
via 2x socket 4"x110
and short reductions

Remark

All of these flow controller have BSPT male threads. They exist also with NPT male threads. Because the outside diameter of the NPT < BSPT and it involves here male connections, it is always possible to mount NPT threaded controllers in BSPT female sockets, providing that somewhat extra sealing tape is used.

Price is on request

EXTERNAL FLOW CONTROLLERS

SERVICE FLOW CONTROLS

Reference	Configuration	Item Name	€
6101084133	EUQ014350	PVC Flo-ET 3/4" NPT / Flow Control 1.6 GPM	78,13
6101084133	EUQ014361	PVC Flo-ET 3/4" NPT / Flow Control 3.5 GPM	100,91
6101084133	EUQ014362	PVC Flo-ET 1" NPT / Flow Control 8 GPM	96,79
6101084133	EUQ014363	PVC Flo-ET 1" NPT / Flow Control 6 GPM	72,42
6101084133	EUQ014364	PVC Flo-ET 1" NPT / Flow Control 10 GPM	96,79
6101084133	EUQ014365	PVC Flo-ET 1" NPT / Flow Control 12 GPM	74,52
6101084133	EUQ014366	PVC Flo-ET 1" NPT / Flow Control 15 GPM	99,27
6101084133	EUQ014552	PVC Flo-ET 3/4" NPT / Flow Control 1.8 GPM	on request
6101084133	EUQ014584	PVC Flo-ET 1.5" NPT / Flow Control 20 GPM	130,02
6101084133	EUQ014585	PVC Flo-ET 1.5" NPT / Flow Control 25 GPM	149,17
6101084133	EUQ014586	PVC Flo-ET 1.5" NPT / Flow Control 30 GPM	149,17
6101084133	EUQ014587	PVC Flo-ET 1.5" NPT / Flow Control 35 GPM	149,17
6101084133	EUQ014597	PVC Flo-ET 3/4" NPT / Flow Control 3.0 GPM	on request
6101084133	EUQ014770	PVC Flo-ET 1" NPT / Flow Control 6 GPM / 4/4" --> 3/4"	94,46

DOSING EQUIPMENT

Dosing equipments for water treatment include dosing tanks, metering pumps, motor driven mechanical pumps, measure and control instruments and a wide range of accessories.

BENEFITS

- Large stock
- Complete range
- Solutions for different applications
- Standard & client-specific solutions

TYPES

- Dosing pumps
- Dosing tanks
- Dosing tanks and bunds
- Dosing tanks with retention tanks
- Storage tanks for dosing



DOSING EQUIPMENT

DOSING PUMPS - SEKO

FEATURES

- IP 65 protection degree and class 2 electrical insulation
- Extra-strong and long life Santoprene and SekoBril squeeze tubing
- Easy wall mounting and removing thanks to the fixing brackets
- Easy tubing replacement
- Pump head of polypropylene with PTFE membrane and bearing - suitable for acid dosing



CONSTANT

Analogue dosing pump with constant flow (manually adjustable)

Reference	Item Name	Diameter Connection Inner/outer	Dosing	€
2301016622	Tekna AKL 600 - FPM	4x6 mm suc. / 4x7 mm dis.	2,5 l/h - 20 bar - 0,35 cc/stroke	538,44
2301016621	Tekna AKL 603 - FPM	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	458,07
2301016620	Tekna AKL 800 - FPM	4x6 mm	7 l/h - 16 bar - 0,38 cc/stroke	557,21
2301016619	Tekna AKL 803 - FPM	8x12 mm	20 l/h - 5 bar - 1,11 cc/stroke	741,79

VOLUMETRIC

Analogue dosing pump with constant flow (manually adjustable) or proportional flow in function of an analogue signal (4-20mA) or an impulse (impulse water meter)

Reference	Item Name	Diameter Connection Inner/outer	Dosing	€
2301016618	Tekna APG 600 - FPM	4x6 mm suc. / 4x7 mm dis.	2,5 l/h - 20 bar - 0,35 cc/stroke	625,61
2301016617	Tekna APG 603 - FPM	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	531,56
2301016616	Tekna APG 800 - FPM	4x6 mm	7 l/h - 16 bar - 0,38 cc/stroke	651,24
2301016615	Tekna APG 803 - FPM	8x12 mm	20 l/h - 5 bar - 1,11 cc/stroke	799,91

DOSING EQUIPMENT

DOSING PUMPS - SEKO

ELECTRONIC

Digital dosing pump with adjustable constant flow or adjustable proportional flow (entrance 4-20mA or entrance for impulse water meter)

Reference	Item Name	Diameter Connection Inner/outer	Dosing	€
2301016614	Tekna TPG 600 - FPM	4x6 mm suc. / 4x7 mm dis.	2,5 l/h - 20 bar - 0,35 cc/stroke	716,18
2301016613	Tekna TPG 603 - FPM	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	642,69
2301016612	Tekna TPG 800 - FPM	4x6 mm	7 l/h - 16 bar - 0,38 cc/stroke	745,24
2301016611	Tekna TPG 803 - FPM	8x12 mm	20 l/h - 5 bar - 1,11 cc/stroke	909,30

WIFI

Digital dosing pump similar with the addition of the extra WIFI option.

Reference	Item Name	Diameter Connection Inner/outer	Dosing	€
2301010037	Tekna EMG603 (PVDF/FKM)	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	2.182,50
2301010038	Tekna EMG603 (PVDF/EPDM)	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	2.182,50
2301010039	Tekna EMR603 (PVDF/FKM)	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	2.073,29
2301010040	Tekna EMR603 (PVDF/EPDM)	4x6 mm	4 l/h - 12 bar - 0,42 cc/stroke	2.073,29

Dosing pumps in EPDM suitable for NaOH dosing are available on request.

*Level probe is not included in the dosing pump. To order please use the reference 2401008758.

DOSING EQUIPMENT

DOSING TANKS

DOSING TANKS



Reference	Item Name	Diameter mm	Height mm	Volume L	€
0601016026	Dosing Tank 60 L	400	560	60	214,25
0601016031	Dosing Tank 120 L	470	770	120	344,19
0601016032	Dosing Tank 200 L	555	930	200	435,83
0601012154	Dosing Tank 300 L	660	1050	300	654,62
0601016029	Dosing Tank 500 L	750	1070	500	1.038,26

DOSING TANKS WITH RETENTION TANKS

Reference	Item Name	Diameter mm	Height mm	Volume L	€
0601040001	Storage tank 50L for dosing with retention tank	440	530	50	255,27
0601040002	Storage tank 120L for dosing with retention tank	570	730	120	389,22
0601040003	Storage tank 200L for dosing with retention tank	610	900	200	449,27
0601040004	Storage tank 300L for dosing with retention tank	760	1190	300	660,37
0601040005	Storage tank 500L for dosing with retention tank	1020	1180	500	1.006,51

STORAGE TANKS FOR DOSING

Reference	Item Name	Diameter mm	Height mm	Volume L	€
0601046714	Storage Tank for Dosing 50 L	390	530	50	152,47
0601046717	Storage Tank for Dosing 120 L	510	730	120	179,59
0601046721	Storage Tank for Dosing 200 L	570	900	200	231,54
0601046722	Storage Tank for Dosing 300 L	610	920	300	346,80
0601046725	Storage Tank for Dosing 500 L	760	1180	500	574,59
0601046729	Storage Tank for Dosing 1000 L	1100	1360	1000	839,45

WATER METERS

IMPULSE WATER METERS

COLD WATER



Reference	Config.	Item Name	Conn.	€
2803010001	1L	Impulse Water Meter DN15 Cold water - 1L	1/2"	216,31
2803010001	10L	Impulse Water Meter DN15 Cold water - 10L	1/2"	217,37
2803010001	100L	Impulse Water Meter DN15 Cold water - 100L	1/2"	217,37
2803010002	1L	Impulse Water Meter DN20 Cold water - 1L	3/4"	285,04
2803010002	2,50L	Impulse Water Meter DN20 Cold water - 2.50L	3/4"	235,74
2803010002	10L	Impulse Water Meter DN20 Cold water - 10L	3/4"	285,04
2803010002	100L	Impulse Water Meter DN20 Cold water - 100L	3/4"	262,00
2803010003	1L	Impulse Water Meter DN25 Cold water - 1L	1"	358,15
2803010003	10L	Impulse Water Meter DN25 Cold water - 10L	1"	351,16
2803010003	100L	Impulse Water Meter DN25 Cold water - 100L	1"	351,16
2803010004	1L	Impulse Water Meter DN30 Cold water - 1L	1 1/4"	406,96
2803010004	10L	Impulse Water Meter DN30 Cold water - 10L	1 1/4"	417,05
2803010004	100L	Impulse Water Meter DN30 Cold water - 100L	1 1/4"	400,39
2803010005	1L	Impulse Water Meter DN40 Cold water - 1L	1 1/2"	611,13
2803010005	10L	Impulse Water Meter DN40 Cold water - 10L	1 1/2"	611,13
2803010005	100L	Impulse Water Meter DN40 Cold water - 100L	1 1/2"	611,13
2803010006	1L	Impulse Water Meter DN50 Cold water - 1L	2"	916,41
2803010006	2,50L	Impulse Water Meter DN50 Cold water - 2.50L	2"	533,41
2803010006	10L	Impulse Water Meter DN50 Cold water - 10L	2"	919,08
2803010006	100L	Impulse Water Meter DN50 Cold water - 100L	2"	919,08

I.W.M. with flange connections are available on request.
I.W.M. with bi-impulse are available on request.

WATER METERS

IMPULSE WATER METERS

HOT WATER



Reference	Config.	Item Name	Conn.	€
2803010007	1L	Impulse Water Meter DN15 Hot water - 1L	1/2"	387,20
2803010007	10L	Impulse Water Meter DN15 Hot water - 10L	1/2"	387,20
2803010007	100L	Impulse Water Meter DN15 Hot water - 100L	1/2"	387,20
2803010008	1L	Impulse Water Meter DN20 Hot water - 1L	3/4"	420,61
2803010008	10L	Impulse Water Meter DN20 Hot water - 10L	3/4"	328,70
2803010008	100L	Impulse Water Meter DN20 Hot water - 100L	3/4"	420,61
2803010009	1L	Impulse Water Meter DN25 Hot water - 1L	1"	539,40
2803010009	10L	Impulse Water Meter DN25 Hot water - 10L	1"	302,52
2803010009	100L	Impulse Water Meter DN25 Hot water - 100L	1"	539,40
2803010010	1L	Impulse Water Meter DN30 Hot water - 1L	1 1/4"	596,21
2803010010	10L	Impulse Water Meter DN30 Hot water - 10L	1 1/4"	596,21
2803010010	100L	Impulse Water Meter DN30 Hot water - 100L	1 1/4"	596,21
2803010011	1L	Impulse Water Meter DN40 Hot water - 1L	1 1/2"	617,13
2803010011	10L	Impulse Water Meter DN40 Hot water - 10L	1 1/2"	962,93
2803010011	100L	Impulse Water Meter DN40 Hot water - 100L	1 1/2"	752,26
2803010012	1L	Impulse Water Meter DN50 Hot water - 1L	2"	1.174,44
2803010012	10L	Impulse Water Meter DN50 Hot water - 10L	2"	917,55
2803010012	100L	Impulse Water Meter DN50 Hot water - 100L	2"	1.174,44

I.W.M. with flange connections are available on request.
I.W.M. with bi-impulse are available on request.

WATER METERS

IMPULSE WATER METERS

DEMI WATER



Reference	Config.	Item Name	Conn.	€
2803010013	1L	Impulse Water Meter DN15 Demi water - 1L	1/2"	408,35
2803010013	10L	Impulse Water Meter DN15 Demi water - 10L	1/2"	408,35
2803010013	100L	Impulse Water Meter DN15 Demi water - 100L	1/2"	534,48
2803010014	1L	Impulse Water Meter DN20 Demi water - 1L	3/4"	439,63
2803010014	10L	Impulse Water Meter DN20 Demi water - 10L	3/4"	685,57
2803010014	100L	Impulse Water Meter DN20 Demi water - 100L	3/4"	439,63
2803010015	1L	Impulse Water Meter DN25 Demi water - 1L	1"	949,31
2803010015	10L	Impulse Water Meter DN25 Demi water - 10L	1"	733,83
2803010015	100L	Impulse Water Meter DN25 Demi water - 100L	1"	543,37
2803010016	1L	Impulse Water Meter DN30 Demi water - 1L	1 1/4"	672,64
2803010016	10L	Impulse Water Meter DN30 Demi water - 10L	1 1/4"	1.046,72
2803010016	100L	Impulse Water Meter DN30 Demi water - 100L	1 1/4"	672,64
2803010017	1L	Impulse Water Meter DN40 Demi water - 1L	1 1/2"	823,30
2803010017	10L	Impulse Water Meter DN40 Demi water - 10L	1 1/2"	823,30
2803010017	100L	Impulse Water Meter DN40 Demi water - 100L	1 1/2"	1.105,72
2803010018	1L	Impulse Water Meter DN50 Demi water - 1L	2"	973,89
2803010018	10L	Impulse Water Meter DN50 Demi water - 10L	2"	973,89
2803010018	100L	Impulse Water Meter DN50 Demi water - 100L	2"	1.697,92

I.W.M. with flange connections are available on request.
I.W.M. with bi-impulse are available on request.

FILTER MEDIA & RESIN

Ion-exchange resins have the form of small beads. These beads are typically porous, providing a large surface area. Ion-exchange resins are widely used in different separation, purification and decontamination processes.

BENEFITS

- Suitable for a wide range of commercial applications
- Standard & client-specific solutions

TYPES

- Filter media: iron, manganese, arsenic, reduction media, sand and gravel sediment filtration media, arsenic, carbon, salt media, ...
- Resin: softening resins, nitrate reduction resins, colour & organic scavenger resins, demineraliser resins, dealkalisation resins, mixed bed resins.
- Cleaning products



RESIN

SOFTENING RESIN

Water softening ion-exchange resins are used to replace the magnesium and calcium ions found in hard water . The resin can be regenerated by washing it with salt (NaCl). The calcium and magnesium ions migrate off the resin, being replaced by sodium ions from the solution until a new equilibrium is reached.

STRONG ACID CATION

Reference	Item Name	Packaging	Price per	€
0801050002	Lewatit Monoplus S108	25L	on request	
0801052603	Lewatit Monoplus S108H	25L	on request	
0806000009	Indion 222 NaF Strong Acid Cation Resin	25L	on request	
0804014825	Amberlite HPR1100 Na	25L	on request	
0813000003	SunResin SC3100	25L	on request	
0801010001	Lewatit S1567	25L		8,40
0804014146	Dowex HCR-S/S FF Softening Resin	25L		5,30

WEAK ACID CATION

Reference	Item Name	Packaging	Price per	€
0801081993	Lewatit TP207 Heavy Metal Reduction	25L	on request	

STRONG BASIC ANION

Reference	Item Name	Packaging	Price per	€
0801030002	Lewatit S 6368A	25L	on request	
0801047230	Lewatit Monoplus M800	25L	on request	
0806000003	Indion NSSR Nitrate reduction resin	25L		13,01
0804050024	Amberlite HPR4200 OH	25L	on request	

RESIN

WEAK BASIC ANION

Reference	Item Name	Packaging	Price per	€
0801050004	Lewatit Monoplus MP68	25L		on request
0804050018	Amberlite HPR9500	25L		on request

MIXED BED RESIN

Mixed bed resins contain both cation and anion resins so most minerals are held within the resin and pure water is produced. Typically mixed bed resins can produce water of 1 to 5 uS/cm while the purer versions can get to 0.5uS/cm.

Reference	Item Name	Packaging	Price per	€
0801040002	Lewatit NM-60 Mixed Bed Resin	25L		14,46
0806000004	Indion MB 115 Mixed Bed Resin	25L		13,74

INERT RESIN

Reference	Item Name	Packaging	Price per	€
0801066074	Lewatit IN42 Inert Resin	25L		on request

FILTER MEDIA

FILTRATION

SAND & GRAVEL

Sand (silica) in its different forms (sand, silex, gravel) is the oldest natural available granular filtration media. Even today, the use of sand remains popular for the treatment of municipal water in very big open gravity filters, in swimming pool filters and in pressurized filters for the treatment of ground water.

In a lot of groundwater applications the use of sand has been replaced with other granular filtration offering more benefits (faster flow rate, better quality of filtrate, lower in weight, etc.)

Sand is present in nature all over the world, washed and sieved. It exists in different grades that vary from one supplier to another. It is used for the removal of suspended solids, but can also be used to filter of oxidized iron or manganese.

A pressurized sand filter always contains different layers of sand, going from relatively fine sand on top to coarse gravel as a support layer. In between the use of 2 more particle sizes is common.

Bed Depth	600 - 1200 mm
Recommended Service Flow Rate	20 - 30 m/h
Recommended Backwash Flow Rate	30 - 38 m/h
Bulk Density	1.5 - 1.7 kg/l
Freeboard	+/- 50% of filter bed



Reference	Item Name	Packaging	Price per	€
0901016142	Filtration sand 0.4 - 0.8 mm	25 kg	kg	0,58
0901010002	Filtration sand 0.5 - 1.0 mm	25 kg	kg	0,58
0901016148	Filtration sand 0.8 - 1.25 mm	25 kg	kg	0,58
0901016151	Gravel 1.7 - 2.5 mm	25 kg	kg	0,58
0901011420	Gravel 2.0 - 3.15 mm	25 kg	kg	0,58
0901016153	Gravel 3.15 - 5.6 mm	25 kg	kg	0,58
0901016155	Gravel 5.0 - 8.0 mm	25 kg	kg	0,58

FILTER MEDIA

FILTRATION

FILTER AG

Filter AG is a crystalline silica (quartz) used for the reduction of suspended solids. It is an excellent alternative for sand/silex offering many advantages due to the light weight and irregular shapes of the grains. It also can be used to filter oxidized iron after aeration, ozonation or chlorination.

Bed Depth	610 - 914 mm
Recommended Service Flow Rate	12 m/h
Recommended Backwash Flow Rate	24 m/h
Bulk Density	0.384 - 0.416 kg/l
Freeboard	50% of bed depth



Reference	Item Name	Packaging	Price per	€
0902015207	Filter AG	1 cuft (28L)	bag	47,46

AFM & AFM NG

AFM® is an inert, amorphous aluminosilicate (glass) manufactured by up-cycling post-consumer green and brown glass bottles and operated specifically for the production of activated glass water filtration media. AFM® is very popular for swimming pool filters, for water purification plants (gravity filters) and for industrial water treatment filters.



Reference	Item Name	Packaging	Price per	€
3034100012	AFM NG grade 1 0,4 - 0,8 mm - 21 kg	21 kg	bag	50,36
3034100013	AFM NG grade 2 0,7 - 2,0 mm - 21 kg	21 kg	bag	50,36
3034100014	AFM grade 3 2,0 - 4,0 mm - 21 kg	21 kg	bag	50,36

FILTER MEDIA

FILTRATION

TURBIDEX

Turbidex is a 100% natural alumino-silicate (zeolite) mineral, offering exceptional characteristics in the world of sediment filtration. The suspended solids are mechanically strained with sedimentation, flocculation, physical absorption, electrostatic absorption and ion-exchange down to 3 – 5 micron.

The excellent filtration capacities are also due to the high irregular surface area and the very high porosity of the media.



Bed Depth	600 - 900 mm
Recommended Service Flow Rate	30 - 50 m/h
Recommended Backwash Flow Rate	34 - 45 m/h
Bulk Density	0.8 kg/l
Freeboard	50% of bed depth

Reference	Item Name	Packaging	Price per	€
0902010001	Turbidex	1 cuft (28L)	bag	70,93

ANTHRACITE

Anthracite / Everzit N is a natural anthracite filter material mined from a depth of 1500 meters. It is cleaned, crushed and sieved to convert the anthracite to an excellent media for single-layer or multi-layer filters. Anthracite / Everzit N is used to filter water containing suspended solids and turbidity throughout the entire filter bed (depth filtration).



Reference	Item Name	Packaging	Price per	€
0903040001	Hydro-anthracite N - Grade I (0.8 - 1.6 mm)	Bags of 35 kg	kg	2,80

FILTER MEDIA

FILTRATION

ACTIVATED CARBON - AQUASORB 1200

AquaSorb 1200 is a granular activated carbon (GAC) coming from bituminous coal and manufactured by steam activation. AquaSorb 1200 is very effective for the removal of organic substances with a low or medium molecular weight. AquaSorb 1200 will produce potable water from well water or surface water but can also be used to treat city water.

Bed Depth	> 750 mm
Recommended Service Flow Rate	5 - 30 m/h
Recommended Backwash Flow Rate	10 - 40 m/h
Bulk Density	+/- 0.54 kg/l
Freeboard	> 30% of bed depth



Reference	Item Name	Packaging	Price per	€
0905100004	Activated Carbon charcoal AquaSorb 1200 12x40	25kg	kg	8,94

ACTIVATED CARBON - AQUASORB CR

AquaSorb CR is a medium activity granular activated carbon manufactured by steam activation of coconut shell charcoal. It is very effective for the removal of oxidizing agents such as chlorine and ozone.

AquaSorb CR possesses a superior mechanical hardness in combination with an excellent de-dusting operation resulting in very clean water after treatment..

Bed Depth	> 750 mm
Recommended Service Flow Rate	10 - 30 m/h
Recommended Backwash Flow Rate	10 - 40 m/h
Bulk Density	+/- 0.54 kg/l
Freeboard	> 30% of bed depth



Reference	Item Name	Packaging	Price per	€
0905104900	Activated Carbon coconut-based AquaSorb CR 12x40 mesh	25kg	kg	10,07

FILTER MEDIA

FILTRATION

BAYOXIDE

Bayoxide E33 is a synthetic iron oxide (Fe_2O_3) media mainly used for the removal of arsenic. The ferric oxide works through absorption and will reduce arsenic levels to below $4\mu\text{g/L}$.



pH Range	5.5 - 8.5
Recommended Service Flow Rate	max 20 m/h
Recommended Backwash Flow Rate	25 m/h
Bulk Density	0.5 kg/l
Freeboard	30%

Reference	Item Name	Packaging	Price per	€
0900010003	Bayoxide E33	20kg/40L	20kg	807,24

AERATION RINGS

Reference	Item Name	Packaging	Price per	€
0906041717	Aeration rings	100L	ltr	2,54

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

AQUA-JURAPERLE

Aqua-Juraperle is a granular filtration medium with a purity of 99.1% calcium carbonate. Because of its micro-crystalline structure, it is superior to ordinary limestone. Raise of pH, as free CO₂ is converted to bicarbonate and calcium is dissolved respectively. Aqua-Juraperle also functions as an excellent filter for sediment particles.

The calcium carbonate granulates are consumed in function of free CO₂-level. New Aqua-Juraperle must be added from time to time (e.g. once a year).

Bed Depth	450 - 800 mm
Recommended Service Flow Rate	12 m/h
Recommended Backwash Flow Rate	24 m/h
Bulk Density	1.60 kg/l
Freeboard	30%



Reference	Item Name	Packaging	Price per	€
0904015907	Aqua-Juraperle (1 - 2 mm)	25kg	kg	2,16

COROSEX

Corosex is a highly reactive magnesium oxide, specially processed to treat a low pH by neutralizing the free carbon dioxide in water. Corosex will slowly dissolve and will need to be replenished from time to time. To be used in continuous flow systems.

Bed Depth	457 - 762 mm
Recommended Service Flow Rate	12 m/h
Recommended Backwash Flow Rate	24 m/h
Bulk Density	1.201 kg/l
Freeboard	50% of bed depth



Reference	Item Name	Packaging	Price per	€
0904026126	Corosex	25kg	bag	172,40

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

BIRM

Birm is a filter media for the removal of iron and manganese. It is an aluminium silicate coated with manganese dioxide. Under the proper conditions no chemicals but an air pocket is needed. In that case Birm only needs to be backwashed from time to time with water.

Birm acts as a catalyst to enhance the reaction between dissolved oxygen and the iron compounds, changing the Fe^{2+} into Fe^{3+} and form ferric hydroxide that precipitates and may be easily filtered.

Recommended Service Flow Rate	12 m/h
Recommended Backwash Flow Rate	24 m/h
pH sensitive	6.8 - 9.0
pH Range	7.5 - 9.0 for iron 8.2 - 9.0 for manganese < 8.5 for iron and manganese
Bulk Density	0.56 - 0.64 kg/l
Freeboard	50% of bed depth



Reference	Item Name	Packaging	Price per	€
0906015190	Birm	1 cuft (28L)	bag	155,33

we recommend you to use Birm with our Air Filter systems

AQUA-MANDIX

Used for iron and manganese removal by catalytic oxidation. It is a robust natural mineral. It requires a pH of 7 or more for iron removal and 8 for manganese removal. Aquamandix is a cost effective filter media which can be mixed with sand where the Aquamandix catalyses the metals and then the less expensive sand filters out the precipitate. It can also be mixed with pH media to and increase the pH all in one system.

Recommended Service Flow Rate	12 m/h
Recommended Backwash Flow Rate	24 m/h
pH Range	6.8 - 9.5
Bulk Density	2 kg/l
Freeboard	30 - 50%



Reference	Item Name	Packaging	Price per	€
0906025914	Aqua-Mandix	25kg	kg	8,05

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

FILOX R

Filox R is a filter media that consists of 75 – 85% manganese dioxide. As the level of MnO_2 is very high (Birm contains 1% MgO_2 , Greensand contains 3% MgO_2), it is an excellent media to remove iron, manganese and hydrogen sulfide.

In many cases it can be used without additional oxidation, depending on the presence of dissolved oxygen. Thanks to the excellent catalytic properties service flow rates are very high compared to many other media.

Again compared to other media Filox R is very heavy and demands frequent backwashing.

Bed Depth	> 500 mm
Recommended Service Flow Rate	22 m/h
Recommended Backwash Flow Rate	39.1 - 73.3 m/h
pH sensitive	No
pH Range	6.8 - 9.0 for iron removal 7.8 - 9.0 for manganese removal
Bulk Density	1.794 - 1.842 kg/l
Freeboard	30 - 50% of bed depth



Reference	Item Name	Packaging	Price per	€
0906009403	Filox R	1/2 cuft	bag	226,44

we recommend you to use Filox with our Air Filter systems

GARNET #8-12

Garnet is a high hardness, high density granular filter media. It is normally used as the lower (final) filtration in a multimedia bed down flow filtration system. Garnet #8-12 is used in our Evolve Filox Air filters as an extra stimulation for the absorption of iron, manganese and H_2S . This media enhances the lifetime of Filox.

Reference	Item Name	Packaging	Price per	€
0906010775	Garnet #8-12	1/3 cuft	bag	49,67

* 1 cuft = 28L

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

CRYSTAL-RIGHT

Opposite to zeolites (aluminium silicate crystals) that can be found in nature, Crystal Right is a synthetic zeolite without impurities and with predefined grain sizes developed for the treatment of well water.

Thanks to its unique crystal structure Crystal-Right allows at the same time to remove manganese, iron, hardness and increases the pH.

The Pollet Water Group is the exclusive distributor of Crystal Right in Europe.



	CR100	CR200
Bed Depth	> 700 mm	> 700 mm
Recommended Service Flow Rate	20 - 40 m/h	20 - 40 m/h
Recommended Backwash Flow Rate	20 m/h	15 m/h
pH Range	6.3 - 11	7 - 11
Bulk Density	0.8 kg/l	0.8 kg/l
Freeboard	15 - 20% of bed depth	15 - 20% of bed depth

CONDITIONS FOR OPERATION

- Minimal hardness CR100/CR200: 51ppm / 5.1°F / 2.87°dH
- TDS CR100 / CR200: > 80 mg/L
- Water pH range CR100: 6.3-14.0 / CR200: 7.0-14.0
- Max. content of iron- and manganese: 15 mg/L
- Capacity CR100: 30 m³/ppm; 3 m³/°F; 1,7 m³/°dH
- Capacity CR200: 40 m³/ppm; 4 m³/°F; 2,25 m³/°dH
- NH4+ will be removed by CR-100 and CR-200 with the help of the chlorinator
- CR100 will do a pH correction
- Crystal Right cannot be rinsed with classic resin cleaners, CR Clear Out is to be used.

Reference	Item Name	Packaging	Price per	€
5301021559	Crystal-Right Medium CR100 (CFT)	1 cuft (28L)		389,49
5301021562	Crystal-Right Medium CR200 (CFT)	1 cuft (28L)		430,22
5301029015	Crystal-Right Medium CR100 (½ CFT)	1/2 cuft (14L)		199,72
5301029016	Crystal-Right Medium CR200 (½ CFT)	1/2 cuft (14L)		220,09

* Usage of WR chlorinator required (see Evolve Crystal Right systems) for ammonia removal

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

AQUAMULTI

AquaMulti and AquaMulti Bio is a multifunctional water filtration media which consists of five, high quality ingredients (ion exchangers and adsorbents). It is an effective one step elimination of the 5 main problems (hardness, iron, manganese, organic, ammonia) in domestic and industrial applications.

AquaMulti decreases level of organic matter up to 50% (AquaMulti bio up to 80%). The media works with every water supply (municipal and well), regardless of iron form (colloidal, ferric, ferrous or organic), pH level, hardness, hydrogen sulphide or organic content.



Recommended Service Flow Rate	22 m/h
Recommended Backwash Flow Rate	14 m/h
Bulk Density	0.8 kg/l
Freeboard	60%

Reference	Item Name	Packaging	Price per	€
0807010004	AquaMulti Bio - 25L	25L		12,27

STIROX

Reference	Item Name	Packaging	Price per	€
0906008452	Stirox (1 - 3mm)	25kg	kg	on request

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

PYROLOX ADVANTAGE

Pyrolox Advantage is the newer and synthetic version of Pyrolox. The granular media has received a 12.5% manganese dioxide coating. In the world of manganese dioxide filter media it can be considered as a light-weight product. The manganese dioxide acts as a catalyst to oxidize, precipitate and remove different contaminants: iron, manganese, hydrogen sulfide and in some specific cases arsenic. The media works at is best when it is continuously regenerated with chlorine, air, ozone or hydrogen peroxide.



Bed Depth	610 mm (min.)
Recommended Service Flow Rate	5 - 30 m/h
Recommended Backwash Flow Rate	25 - 50 m/h
Bulk Density	1.33 kg/l
Freeboard	40%

Reference	Item Name	Packaging	Price per	€
0906100002	Pyrolox Advantage	19 kg	bag	115,80

PYROLOX

Pyrolox is a naturally mined ore containing manganese dioxide used for the removal of iron, manganese and hydrogen sulfide. The Pyrolox granular media acts as a catalyst that oxidizes iron, manganese and hydrogen sulfide as soon as they come in contact with the media. An additional pretreatment with air, chlorine, potassium permanganate is recommended in some cases.



Bed Depth	460 mm
Recommended Service Flow Rate	12.2 m/h
Recommended Backwash Flow Rate	61.1 - 73.3 m/h
Bulk Density	1.90 kg/l
Freeboard	40% of bed depth (min.)

Reference	Item Name	Packaging	Price per	€
0906100003	Pyrolox Regular 8x20 (0.8 - 2.4)	25kg		137,25

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

GREENSAND PLUS

Greensand is the newer version of the classic manganese greensand and can be used as a perfect alternative for manganese greensand but with a lot of advantages. The manganese dioxide coated surface acts as an excellent catalyst. Greensand Plus is a black, nodular media that can be used for the removal of soluble iron, manganese, hydrogen sulfide, but also in correctly defined cases for the removal of arsenic and radium.

In most cases where iron removal and manganese are the main objectives a continuous pretreatment with chlorine (or another strong oxidant) is advised. For the removal of arsenic and radium special working conditions need to be respected and pilot plant testing is always necessary.



Bed Depth	> 760 mm
Recommended Service Flow Rate	5 - 30 m/h
Recommended Backwash Flow Rate	> 30 m/h
Bulk Density	1.40 kg/l
Freeboard	50% of bed depth

Reference	Item Name	Packaging	Price per	€
0906071354	Greensand Plus	1/2 cuft (14L)		72,75

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

CENTAUR

Centaur is a granular activated carbon (GAC) produced from bituminous coal with excellent catalytic properties. It works via adsorption on the surface of the pores.

Specific applications include chlorine (chloramine) and hydrogen sulfide removal from potable waters. Centaur can be used in POE- and POU filters and dialysis water treatment.



Recommended Service Flow Rate	12 m/h
Recommended Backwash Flow Rate	25 m/h
pH Range	5 - 8
Bulk Density	0.5 kg/l
Freeboard	40%

Reference	Item Name	Packaging	Price per	€
0905070006	Carbon Centaur 12x40	15kg	kg	38,59

KATALOX LIGHT

Katalox light is a combination of the naturally mined Zeosorb that received a coating with 10% MnO₂. The result is an excellent catalyst and a very light weight filtration media with a high filtration surface offering an excellent filter fineness up to 3 micron. Beside sediment filtration and removal of turbidity, It can be used for many purposes, the most important ones being the treatment of iron, manganese, hydrogen sulfide and arsenic.



Bed Depth	> 750 mm (optimal 1200 mm)
Recommended Service Flow Rate	20 m/h
Recommended Backwash Flow Rate	25 - 30 m/h
Bulk Density	1.06 kg/l
Freeboard	40%

Reference	Item Name	Packaging	Price per	€
0906110001	Katalox Light	28.3 L / 30 kg	bag	129,64

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

CALCITE

Calcite is the most common form of naturally occurring calcium carbonate (white marble) which is crushed and screened. It is used to neutralise acidic water. Depending on pH and other parameters Calcite will be exhausted after some time and needs to be replenished.

Bed Depth	600 - 770 mm
Recommended Service Flow Rate	7.33 - 14.7 m/h
Recommended Backwash Flow Rate	19.6 - 29.3 m/h
Bulk Density	1.44 kg/l
Freeboard	50% of bed depth (min.)



Reference	Item Name	Packaging	Price per	€
0904020001	Calcite	50L	bag	57,80

AQUA-SEMIDOL

Aqua-Semidol is produced from pure dolomite. It is composed of 23 – 28% MgO and 72 – 77% CaCO₃. It is successfully used to raise the pH of water by binding carbon dioxide (CO₂) and adding calcium and magnesium to the water.

Aqua-Semidol will dissolve (1.2 – 1.3 gram per gram CO₂) and needs to be replenished from time to time. The filter media is to be used in continuous flow systems only, to prevent possible cementing of the filter bed.

In systems where the flow is too low, the pH will be overcorrected.

Bed Depth	600 - 770 mm
Recommended Service Flow Rate	12 - 15 m/h
Recommended Backwash Flow Rate	25 - 30 m/h
Bulk Density	+/- 1.10 kg/l
Freeboard	50% of bed depth (min.)



Reference	Item Name	Packaging	Price per	€
0904010003	Aqua Semidol (0.5 - 1.25 mm)	25kg		1,79

FILTER MEDIA

IRON REMOVAL & NEUTRALISATION

KDF

KDF 55 and KDF 85 are two process media using copper-zinc granules to remove contaminants in water using an oxidation/reduction (redox) reaction. KDF 55 is used for the removal of chlorine and water-soluble heavy metals (lead, mercury, nickel chromium). It also controls scale, bacteria and algae.

In case of chlorine, the free chlorine is reduced to chloride ions.

Filter cartridges containing granular activated carbon (GAC) based on coconut shell are often used in combination with KDF 55/85 to extend the life of the filter cartridges. Also ion exchange systems use KDF to extend the life time of the resin bed.



Reference	Item Name	Packaging	Price per	€
0902011350	KDF 55	1/3 cuft		2.005,58
0906010004	KDF 85C	1/3 cuft		1.689,24

CHEMICALS

DOSAGE AND REGENERANT

DOSAGE

Reference	Item Name	Packaging	Price per	€
1005012768	Liquid silicates	30L		115,08
1005040585	Pallas CA Plus 30L	30L		266,19
1005031444	Pallas pH Plus - 30L	30L		59,04

REGENERANT

Reference	Item Name	Packaging	Price per	€
1001026058	Potassium permanganate	25kg		23,28
1001060003	Tablet salt for Softeners	25kg		27,47

FOR RO UNITS

Reference	Item Name	Packaging	Price per	€
1004021971	Pallas Anti-Scalant 522/6	30L		174,56

CHEMICALS

CLEANING PRODUCTS

FOR SOFTENERS

Reference	Item Name	Packaging	€
1002050003	Resin Clean Concentrated 1 L	1L	9,42
1002050005	Resin Clean Concentrated 5 L	5L	32,84

FOR CR UNITS

Reference	Item Name	Packaging	€
1003015005	CR Clear Out (5 L)	5L	22,37
1003019635	CR Clear Out (30 L)	30L	on request
1005036055	Soda Ash	1kg	on request

FOR MEMBRANE SYSTEMS

Reference	Config.	Item Name	Packaging	€
1004060001		Osmos-Up 500 mL	0.5L	5,97
1004020001	HYE002249	Pallas 103A: Acidic Cleaning Product - 5L	5L	27,79
1004020001	HYE002262	Pallas 103A: Acidic Cleaning Product - 30L	30L	71,94
1004020002	HYE002250	Pallas 511BA: Basic Cleaning Product - 5L	5L	28,80
1004020002	HYE002263	Pallas 511BA: Basic Cleaning Product - 30L	30L	on request

TEST KITS

HARDNESS TEST KITS

Reference	Item Name	Packaging	€
4101013279	Solution B for Aquatest Pallas dH 30 ml	30ml	4,08
4101018477	Solution B for Aquatest Pallas °F 30 ml	30ml	4,76
4101016000	Aquatest Pallas Hardness dH	Piece Box (15 pc)	263,67
4101018496	Aquatest Pallas Hardness °F	Piece Box (15 pc)	283,20

HARDNESS METERS

TESTOMAT



Testomat 808



Testomat ECO

Reference	Item Name	€
4801012707	Testomat Type ECO	7.148,04

REAGENTS

Reference	Item Name	€
Testomat ECO		
4801010436	Testomat Liquid Indicator TH2005 (0,05 - 0,50 °dH)	270,87
4801011083	Testomat Liquid Indicator TH2025 (0,25 - 2,50 °dH)	263,21
4801014528	Testomat Liquid Indicator TH2100 (1,00 - 10,00 °dH)	270,86
4802030014	Reagent HT 0,5 °dH (500 ml)	141,80
4802030016	Reagent HT 10 °dH (500 ml)	141,80
4802030015	Reagent HT 2,5 °dH (500 ml)	141,80
4802030017	Reagent HT 25 °dH (500 ml)	141,80

HARDNESS METERS

SYCON

DESCRIPTION

In the past years, our softener range benefitted from the advancement of the valve manufacturers including meter demand control, down to up flow proportional regeneration to save water and salt. These evolutions have caused a breakthrough in delivering high efficient softeners, but also led to softeners being more sensitive to the changes influencing the hardness capacity and/or regeneration efficiency.

To monitor water hardness and prevent hardness leakage, we are launching a new competitive range of online analysers. Consider the Sycon as the guardian angels of your water softeners.



Sycon 2602

HOW DOES IT WORK?

Sycon devices apply by a colourimetric test method. Following the introduction of a reagent inside water sample, a colour reaction occurs. Depending on the method, the unit either evaluates the colour intensity or ascertains the value at which the colour changes.



Sycon 2802

BENEFITS

- Full automatic operation
- Simple commissioning
- Intuitive operation
- Low maintenance
- Self-calibrating
- Diagnosis programme
- Time controlled analysis interval
- Volume controlled analysis interval (Sycon 2802)
- Measured value graph of the last 100 analyses (Sycon 2800)
- Measured value protocol on SD-card (Sycon 2802)
- CAN port (Sycon 2802)
- Analogue output (4 to 20mA) (Sycon 2802)

Relay function:

- Limit value 1
- Limit value 2 (Sycon 2802)
- Analysis active/cool water
- Ready for operation
- Operation without supervision warning

Input function:

- Current monitor
- External analysis start
- Analysis abort (Sycon 2802)
- Water counter (Sycon 2802)

Reference	Item Name	€
4802020005	Sycon 2602	3.657,06
4802020007	Sycon 2802	3.645,12

* The Sycon units have a guarantee warranty of 24 months. In case of malfunction or maintenance, your product can be shipped back to the manufacturer to be inspected. If necessary, we will replace defective parts or upgrade electronics.

HARDNESS METERS

SYCON

REAGENTS

Reference	Item Name	€
4802030018	Reagent H25 - 0,02 °dH (500 ml)	141,80
4802030019	Reagent H25 - 0,05 °dH (500 ml)	141,80
4802030020	Reagent H25 - 0,1 °dH (500 ml)	141,80
4802030021	Reagent H25 - 0,2 °dH (500 ml)	141,80
4802030022	Reagent H25 - 0,3 °dH (500 ml)	141,80
4802030023	Reagent H25 - 0,5 °dH (500 ml)	141,80
4802030024	Reagent H25 - 1 °dH (500 ml)	141,80
4802030025	Reagent H25 - 2 °dH (500 ml)	141,80
4802030026	Reagent H25 - 3 °dH (500 ml)	141,80
4802030027	Reagent H25 - 5 °dH (500 ml)	141,80
4802030028	Reagent H25 - 10 °dH (500 ml)	141,80

OTHERS

Reference	Item Name	€
4802030032	Maintenance kit for Sycon 2602	245,49
4802030001	Maintenance kit for Sycon 2802	206,78
4802030029	Pressure reducer / throttle	41,08

MEMBRANE & MEMBRANE HOUSINGS

Based on our extensive knowledge and experience, we have selected a wide range of membrane housings and pure water membranes.

Our object is to offer you high quality products at a competitive price, while promising excellent availability. If you need any other membranes contact our sales team and we will do our best to fulfil your needs.

BENEFITS

- Full range of high-quality membranes for water treatment
- Large stock
- Suitable for a wide range of commercial applications
- Different types of filtration: MF (Microfiltration), UF (Ultrafiltration), NF (Nanofiltration) and RO (Reverse Osmosis)

TYPES

- LG Membranes
- PWG membrane housings



MEMBRANE HOUSINGS

PWG MEMBRANE HOUSINGS

DESCRIPTION

PWG membrane housings are engineered for use in Reverse Osmosis systems for a variety of applications with pressures up to 1,200 PSI. The pressure vessels are designed to accommodate any standard made 2.5" , 4" and 8".



APPLICATION

- Reverse Osmosis
- Industrial Water Treatment
- Commercial Water Treatment
- Applications with pressures up to 1200 PSI

BENEFITS

- Designed to provide a long-term, trouble-free operation with minimal downtime
- Accurate temperature flow curing process
- UV resistant polyurethane exterior paint finish
- Designed for small and large applications
- Large stock, quick delivery
- Certified quality control

Reference	Item Name	Diameter Inch	Length	Pressure PSI	Port Position	€
1215010001	2514 EP	2.5	14"	300	EP	84,29
1215010002	2521 EP	2.5	21"	300	EP	93,00
1215010003	2540 EP	2.5	40"	300	EP	100,46
1215020008	4014 EP	4	14"	300	EP	112,06
1215020001	4021 EP	4	21"	300	EP	100,46
1215020002	4040 EP (1)	4	40"	300	EP	113,57
1215020003	4040 SP - 0°	4	40"	300	SP - 0°	158,66
1215020004	4040 SP - 180°	4	40"	300	SP - 180°	187,40
1215020005	4040 EP (2)	4	2 x 40"	300	EP	159,58
1215020006	4040 EP (3)	4	3 x 40"	300	EP	215,70
1215030001	8040 SP-0° (1)	8	40	300	SP - 0°	824,57
1215030002	8040 SP-0° (2)	8	2 x 40"	300	SP - 0°	899,53
1215030003	8040 SP-0° (3)	8	3 x 40"	300	SP - 0°	993,23
1215030004	8040 SP-0° (4)	8	4 x 40"	300	SP - 0°	1.086,93
1215030005	8040 SP-0° (5)	8	5 x 40"	300	SP - 0°	1.161,91
1215030006	8040 SP-0° (6)	8	6 x 40"	300	SP - 0°	1.010,73

1318000001	Head Removal Tool					281,24
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MEMBRANES

LG MEMBRANES

DESCRIPTION

LG Chem's NanoH2O™ seawater RO membranes, incorporated with innovative Thin Film Nanocomposite (TFN) technology, reduce the cost of desalination while delivering superior water quality.

Our seawater RO membranes provide industry leading salt rejection and produce 20% more flow than membranes manufactured with conventional technologies.



LG BWRO MEMBRANES

Reference	Item Name	Permeate Flow m³/d	Stabilized Salt Rejection %	Minimal Salt Rejection %	Feed Spacer mm	€
High Rejection Standard ¹						
1121030017	LG BW 440 R G2	47.9	99.78	99.65	28	1.250,83
1121030022	LG BW 440 R Dura	43.7	99.7	99.6	28	1.296,99
1121030003	LG BW 440 R	43.7	99.6	99.5	28	1.173,64
High Rejection Anti-fouling ²						
1121030018	LG BW 400 R G2	43.5	99.78	99.65	34	1.250,68
1121030021	LG BW 400 AFR G2	43.5	99.7	99.6	34	1.312,40
1121030019	LG BW 400 R Dura	39.8	99.7	99.6	34	1.266,10
1121030006	LG BW 400 AFR	39.8	99.6	99.5	34	1.266,28
Low Pressure Standard ²						
1121030005	LG BW 440 ES	43.7	99.6	99.5	28	1.173,64
1121030020	LG BW 400 ESL	39.7	99.6	99.5	34	1.204,34
Ultra Low Pressure ³						
1121030015	LG BW 440 UES	47.9	99	98	28	1.281,74
1121030014	LG BW 400 UES	43.5	99	98	34	1.250,83

Test Conditions 1: 2,000 ppm NaCl at 25°C (77°F), pH 7, recovery 15%, 225 psi (15.5 bar)

2: 2,000 ppm NaCl at 25°C (77°F), pH 7, recovery 15%, 150 psi (10.3 bar)

3: 2,000 ppm NaCl at 25°C (77°F), pH 7, recovery 15%, 125 psi (8.6 bar)

MEMBRANES

LG MEMBRANES

LIGHT COMMERCIAL BWRO MEMBRANES

Reference	Item Name	Permeate Flow m ³ /d	Stabilized Salt Rejection %	Minimal Salt Rejection %	Feed Spacer mm	€
High Rejection ¹						
1121020001	LG BW 4040 R	9.5	99.6	99.3	28	293,42
1121020010	LG BW 4021 R	3.8	99.6	99.3	28	231,64
Low Pressure ¹						
1121020002	LG BW 4040 ES	9.5	99.5	99.2	28	293,42
1121020008	LG BW 4021 ES	3.8	99.5	99.2	28	231,64
1121010001	LG BW 2521 ES	1.3	99.5	99.2	28	123,53
Ultra Low Pressure ²						
1121020005	LG BW CW 4040 SF	11	99	98	28	339,71
1121020003	LG BW 4040 UES	10.2	99	98	28	324,33
1121020009	LG BW 4021 UES	3.8	99	98	28	231,64
1121010003	LG BW 2540 UES	2.8	99	98	28	185,31

Test Conditions 1: 2,000 ppm NaCl at 25°C (77°F), pH 7, 225 psi (15.5 bar)

2: 500 ppm NaCl at 25°C (77°F), pH 7, 100 psi (6.9 bar)

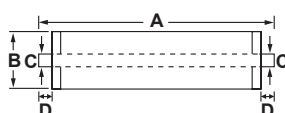
SPECIFICATIONS

Max. Applied pressure	41 bar
Max. Chlorine concentration	< 0.1 ppm
Max. Operating temperature	45°C
pH Range, Continuous (Cleaning)	2-11 (2-13)
Max. Feedwater turbidity	1.0 NTU
Max. Feedwater SDI (15 mins)	5
Max. Feed flow (8-inch)	17m ³ /h
Max. Feed flow (4-inch)	3.6m ³ /h
Max. Pressure drop (ΔP) for each element	1.0 bar

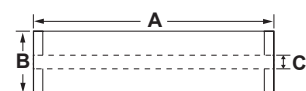
DIMENSIONS

	A	B (O.D.)	C (I.D.)	D
2521	533 mm	60 mm	19 mm	32 mm
2540	1016 mm	60 mm	19 mm	32 mm
4040	1016 mm	100 mm	19 mm	29 mm
400/440	1016 mm	200 mm	28,6 mm	

2521 / 2540 / 4040



400 / 440



MEMBRANES

LG MEMBRANES

DESCRIPTION

LG Chem's NanoH2O™ seawater RO membranes, incorporated with innovative Thin Film Nanocomposite (TFN) technology, reduce the cost of desalination while delivering superior water quality.

Our seawater RO membranes provide industry leading salt rejection and produce 20% more flow than membranes manufactured with conventional technologies.



LG SWRO MEMBRANES

Reference	Item Name	Permeate Flow m ³ /d	Stabilized Salt Rejection %	Minimal Salt Rejection %	Feed Spacer mm	€
1121030007	LG SW 400 SR	22.7	99.85	99.7	34	1.297,17
1121030008	LG SW 440 SR	25	99.85	99.7	28	1.358,94
1121030009	LG SW 400 GR	28.4	99.85	99.7	34	1.297,17
1121030010	LG SW 440 GR	31.2	99.85	99.7	28	1.358,94
1121030011	LG SW 400 R	34.1	99.85	99.7	34	1.297,17
1121030001	LG SW 440 R	37.5	99.85	99.7	28	1.358,94
1121030012	LG SW 400 ES	51.9	99.8	99.6	34	1.297,17
1121030013	LG SW 440 ES	57	99.8	99.6	28	1.358,94

Test Conditions: 32,000 ppm NaCl at 25°C (77°F), pH 8, recovery 8%, 800 psi (55 bar)

LIGHT COMMERCIAL SWRO MEMBRANES

Reference	Item Name	Permeate Flow m ³ /d	Stabilized Salt Rejection %	Minimal Salt Rejection %	Feed Spacer mm	€
1121020012	LG SW 4040 R	7.4	9.7	99.5	28	651,07

Test Conditions: 32,000 ppm NaCl at 25°C (77°F), pH 8, recovery 8%, 800 psi (55 bar)

MEMBRANES

LG MEMBRANES

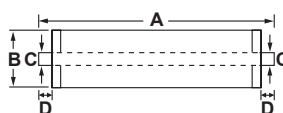
SPECIFICATIONS

Max. Applied pressure	82.7 bar
Max. Chlorine concentration	< 0.1 ppm
Max. Operating temperature	45°C
pH Range, Continuous (Cleaning)	2-11 (2-13)
Max. Feedwater turbidity	1.0 NTU
Max. Feedwater SDI (15 mins)	5
Max. Feed flow (8-inch)	17m³/h
Max. Feed flow (4-inch)	3.4m³/h
Min. Ratio of concentrate to permeate flow for any element	5:1
Max. Pressure drop (ΔP) for each element	1.0 bar
Boron Rejection (except for ES: 89%)	93%

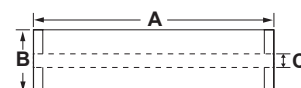
DIMENSIONS

	A	B (O.D.)	C (I.D.)	D
4040	1016 mm	100 mm	19 mm	29 mm
400/440	1016 mm	200 mm	28,6 mm	16 kg

4040



400 / 440



GENERAL TERMS OF SALE

1. The present general terms of sale are integrally applicable to each contract of sale with Euraqua, with the exception of particular divergent conditions agreed on in writing between Euraqua and the client. By putting an order, the client agrees with these general terms of sale, which take priority to those of the client.
2. The client cannot consider as an offer : the forwarding of catalogues, price lists or price estimates. The conditions mentioned in these catalogues, price lists, etc. can be modified anytime, this without previous notice.
3. All prices are calculated 'ex works' Waregem. Transportation costs, storage, insurance, etc. are not included.
4. All orders confirmed by Euraqua will - in principle - be carried out at the agreed price. However, Euraqua reserves the right to adjust the agreed price proportionally, in case the price of goods that Euraqua purchases from third parties is subject to an increase.
5. Euraqua reserves the right to carry out and to invoice every order partially.
6. Terms and/or dates of delivery are given only on an informative basis, meaning they are only indicative and not binding upon Euraqua. In case deliveries or the execution of works are delayed, the client does not have the right to a breach of contract, and is not entitled to any indemnification.
7. Goods travel at buyer's risk, even if transport is paid or invoiced by Euraqua. If delivery is impossible because the buyer is absent at the settled date and place of delivery, the cost of a second transport will be invoiced supplementally, and is to be paid at the due date of the principal amount.
8. Sold goods remain the exclusive property of Euraqua, until the client has completely paid the agreed selling price. Right from the moment the goods leave the Euraqua premises, the risk of loss, damage or destruction is chargeable to the buyer. If, at due date, the agreed selling price is not paid, Euraqua has the right to consider the contract as dissolved, this after previous ineffectual formal notice, by means of an unilateral written statement of dissolution, and without any legal intervention required. Euraqua is also entitled to an indemnification for the damage hereby sustained. In this case, the client is obliged to return the goods at simple request. In default of this return within 48 hours Euraqua will be allowed by right to take back the goods. In the above-mentioned case, Euraqua is also entitled to an indemnification for the sustained loss. This stipulation acquires the force of explicit dissolution.
9. Complaints about non-conformity and visible failure of our deliveries and performances are to be put by registered mail within 48 hours after delivery, under penalty of late arrival. All other complaints must be put under the same condition within 8 days. The burden of proof of his complaints rests with the buyer. If above-mentioned cases occur, the recovery of debts remains claimable at due date. Protest against our invoices must be entered by registered mail within 8 days from date of invoice.
10. Euraqua can never be held responsible for any damage caused by goods she delivered, in case these were put in operation by her resellers or on the advice of her resellers by any other third party.
11. The warranty on the replacement of goods that were proven faulty, is valid for 12 months, starting from the date of delivery. This guaranty only applies to normal use, and is limited to the free replacement of the faulty part. In case the buyer wants to make use of the warranty obligation of Euraqua, he must inform the company about it by registered mail within 8 days after occurrence of the case requiring an appeal to the warranty. An appeal to our duty of warranty obligation by the buyer does not suspend the claimability of our recovery of debts. Goods can never be returned to Euraqua by the buyer without previous written consent of Euraqua. The mere consent of Euraqua for returning goods, can not be considered as an acceptance of liability, nor the acknowledgement of proof of the faulty character of the returned goods. In every case of returning Euraqua is entitled to charge an indemnification for storing the returned goods and for any other preservation cost. However, the client will have to pay integrally for the refused and/or returned goods, in case these goods get lost during retransport to Euraqua.
12. Every payment is done cash, except for divergent conditions, in Waregem or Koekelare. In case the invoice has not been paid within 8 days after its due date, an interest of 12 p.c. per year, equal to 1 p.c. per month, will be indebted by right, this without previous formal notice. In case of complete or partial non-payment of debts at due date, without serious reasons, the principal amount will be increased by 12 p.c. with a minimum of 62 Euro and a maximum of 1.860 Euro, even if terms of respite were adjudged, this without any extra formalities. Expenses caused by unpaid bills of exchange and uncovered cheques, as well as other particular costs of recovery, will be charged additionally. If one of our invoices remains unpaid at due date, all amounts due from the client in default will be immediately claimable, even if other conditions of payment were admitted previously. Euraqua reserves the right to stop all further deliveries and works, in case debts remain unpaid at due date.
13. In case of discrepancy between the Dutch text and the versions in other languages of the present terms of sale, the Dutch text will be decisive.
14. In case of litigation about the present contract or the general conditions are challenged, only the courts of justice of the judicial district Kortrijk will be competent. Belgian law will be applicable.

RETURN PROCEDURE

1. GENERAL CONDITIONS

- 1.1. This procedure applies to all returns of goods delivered by Euraqua to their customers, both new (unused) as defective goods (for repair).
- 1.2. In order for the return to be accepted, the customer must submit a REQUEST FOR RMA NUMBER (Return Materials), according to the instructions mentioned on this form, prior to shipping the goods to Euraqua.
- 1.3. The form can be obtained on request or downloaded from the website (www.euraqua.com). There exists a single version and a multi version, for a maximum of 15 articles.
- 1.4. The customer is to fax or mail the duly completed return request form to Euraqua. If the request is correct and complete, Euraqua's return department will issue an RMA number to the customer.
- 1.5. After receiving the RMA number, the customer may return the goods to Euraqua, on the condition that the RMA number is clearly mentioned on the packaging and the delivery note, and that the goods are returned within 30 days after receiving confirmation of the RMA number. If these conditions are not fulfilled, Euraqua will automatically refuse the return goods.
- 1.6. Goods returns are the sole responsibility of the customer.
- 1.7. All transport costs from and to the customer are at the expense of the customer, unless the return is due to an indisputable and proven error of Euraqua.
- 1.8. Euraqua will transmit any remarks regarding the state of return goods and the return procedure to the customer within 7 days of receiving the return goods.

2. REQUEST RMA-NUMBER

- 2.1. A duly completed request form requires that the fields marked with (*) are filled in. These are:
 - company name, customer number and country
 - name and telephone number of the contact person (sender)
 - article code, description, quantity and unit
 - original packaging: yes/no
 - invoice number (SI) and date, or sales order number (SO) and date
 - reason for the return
 - date on which the problem was noticed
 - serial number, see product label
 - description of the problem and the actions undertaken.

3. RETURN OF NEW GOODS

- 3.1. The RMA request must be submitted within 30 days of receiving the goods to rma@eurqua.com
- 3.2. New, unused goods must remain in original packaging to be eligible for return. If not, the goods will be sent back to the customer.
- 3.3. Made-to-measure articles qualify for a return shipment, only if it is proven that the non-conform delivery is the sole responsibility of Euraqua.
- 3.4. For return shipments as a result of an incorrect order of the customer, 75% of the net price will be credited. This allows Euraqua to cover the restocking costs, which amount to 25% of the invoice price of the goods.
- 3.5. Goods that were sold in promotion or end-of-series goods do not qualify for return.

4. RETURN OF DEFECTIVE GOODS UNDER WARRANTY

- 4.1. The warranty for the different components is determined by the manufacturer involved. Defective components without manufacturing warranty do not qualify for a return under warranty. The RMA number must be requested before the warranty period expires.
- 4.2. Used goods must be packaged in a suitable manner, adapted to the type of goods.
- 4.3. If the return is accepted, defective goods will be repaired and sent back to the customer. If the product cannot be repaired, an identical new product will be given in exchange.
- 4.4. If the customer wishes an immediate replacement of a return good, a replacement good can be shipped, provided that a normal order is received. The replacement good will be invoiced in the normal way. The defective product will be repaired and returned under warranty, if possible. If the defect cannot be repaired, the replacement product will be credited.

5. RETURN OF GOODS NOT COVERED BY WARRANTY

- 5.1. Goods that are not covered by warranty can only be repaired after Euraqua receives the confirmation of the customer in writing, or the repair offer signed for approval by the customer.
- 5.2. Irreparable goods are only returned to the customer at his express request and on the condition that the customer agrees in advance to pay the transport costs.

