

Clack

VALVE SPARE PARTS

2023



KENNET
Pollet Water Group

Clack® 

Am

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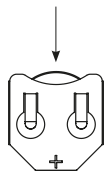
TIMERS

WS1 - WS1.25 - WS1.5 - WS2 - WS1 TWIN

Clack TC - Front cover and drive assembly	6
Clack EI - Front cover and drive assembly	8
Clack CI - Front cover and drive assembly	10

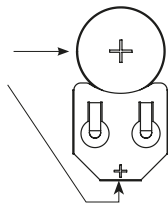
CLACK TC - FRONT COVER AND DRIVE ASSEMBLY

When replacing the battery, align positives and push down to fully seat.

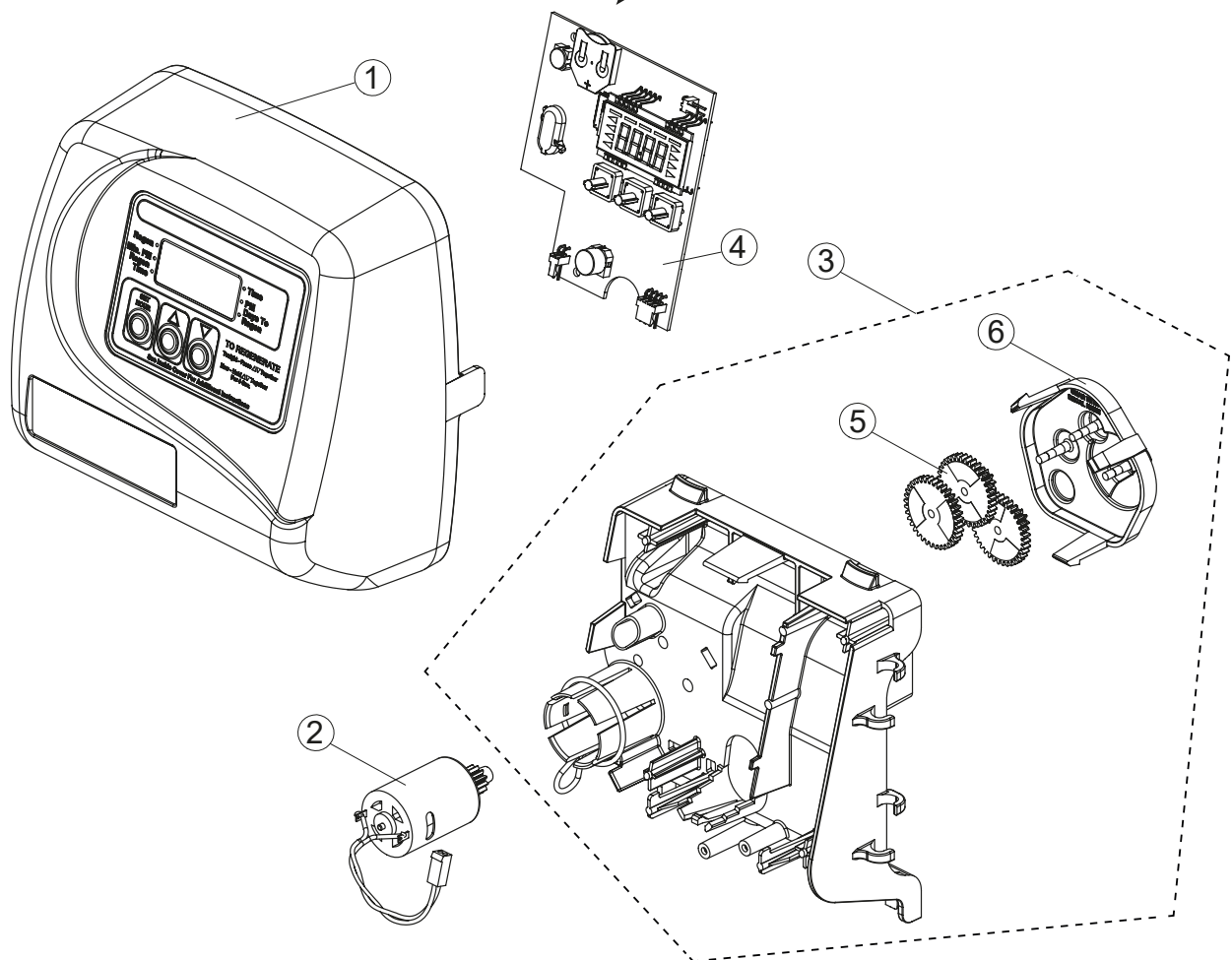


Battery Fully Seated

Connect
Battery
Orientation



Battery replacement is
3 volt lithium coin cell
type 2032.

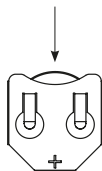


CLACK TC - FRONT COVER AND DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01	5303025107	V3175TC-01	WS1TC Front Cover Asy	1	10.27
02	5303025068	V3107-01	Motor 12V	1	9.84
03	5303020223	V3002-A	Drive Bracket & Spring Clip	1	7.83
04	5303020087	V3818TC-2TO4BRD	Electronic board for TC valves	1	48.41
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303025073	V3109	Drive Gear Cover	1	1.69
N.S.	5303020305	V3186-06	WS1 DC Transformer US 15V	1	12.16
N.S.	5303020277	V3186EU-06	WS1 DC Transformer EU 15V	1	13.03
N.S.	5303020278	V3186UK-06	WS1 DC Transformer UK 15V	1	12.12
N.S.	5303025113	V3186-01	Transformer Cord Only	1	10.16

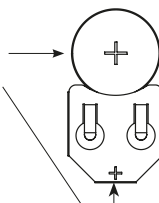
CLACK EI - FRONT COVER AND DRIVE ASSEMBLY

When replacing the battery, align positives and push down to fully seat.

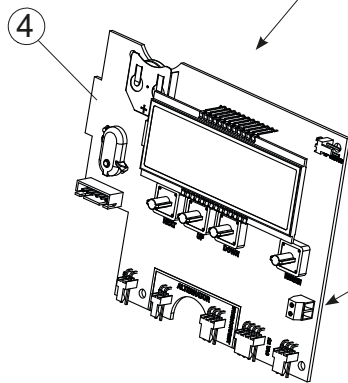
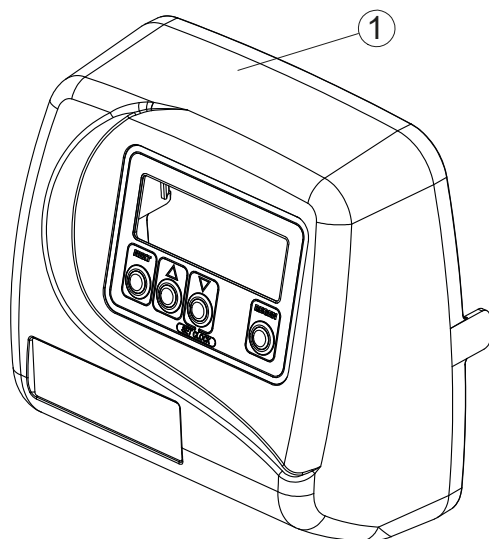


Battery Fully Seated

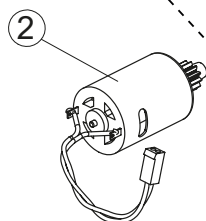
Connect Battery Orientation



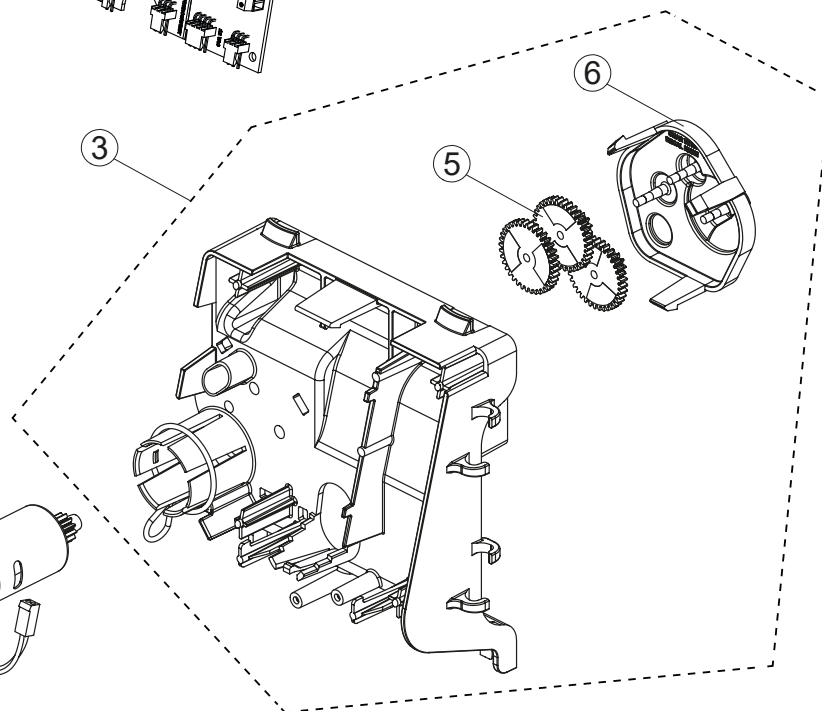
Battery replacement is 3 volt lithium coin cell type 2032.



PC Board Relay Terminal Block



3



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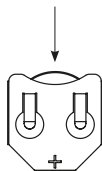
6

CLACK EI - FRONT COVER AND DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01	5303024261	V3175EI-01	WS1.5EI Front Cover Asy	1	9.50
02	5303025068	V3107-01	Motor 12V	1	9.84
03	5303020223	V3002-A	Drive Bracket & Spring Clip	1	7.83
04	5303010055	V3408EI-04BOARD	Electronic board for EI valves	1	67.32
05	5303025074	V3110	Drive Gear 12x36	1	0.99
06	5303025073	V3109	Drive Gear Cover	1	1.69
N.S.	5303020305	V3186-06	WS1 DC Transformer US 15V	1	12.16
N.S.	5303020277	V3186EU-06	WS1 DC Transformer EU 15V	1	13.03
N.S.	5303020278	V3186UK-06	WS1 DC Transformer UK 15V	1	12.12
N.S.	5303025113	V3186-01	Transformer Cord Only	1	10.16
N.S.	5303025110	V3178	WS1 Drive Back Plate	1	4.83

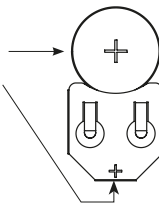
CLACK CI - FRONT COVER AND DRIVE ASSEMBLY

When replacing the battery, align positives and push down to fully seat.

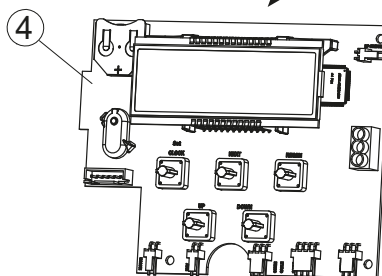
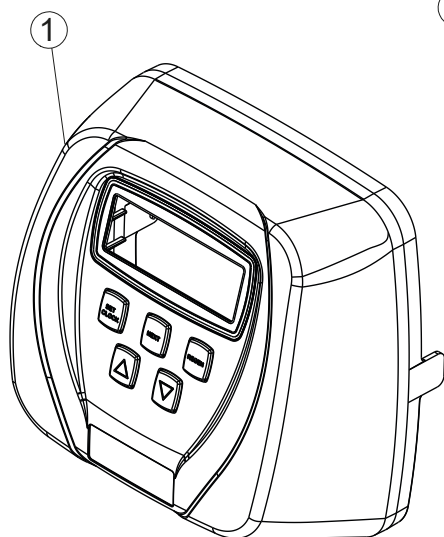


Battery Fully Seated

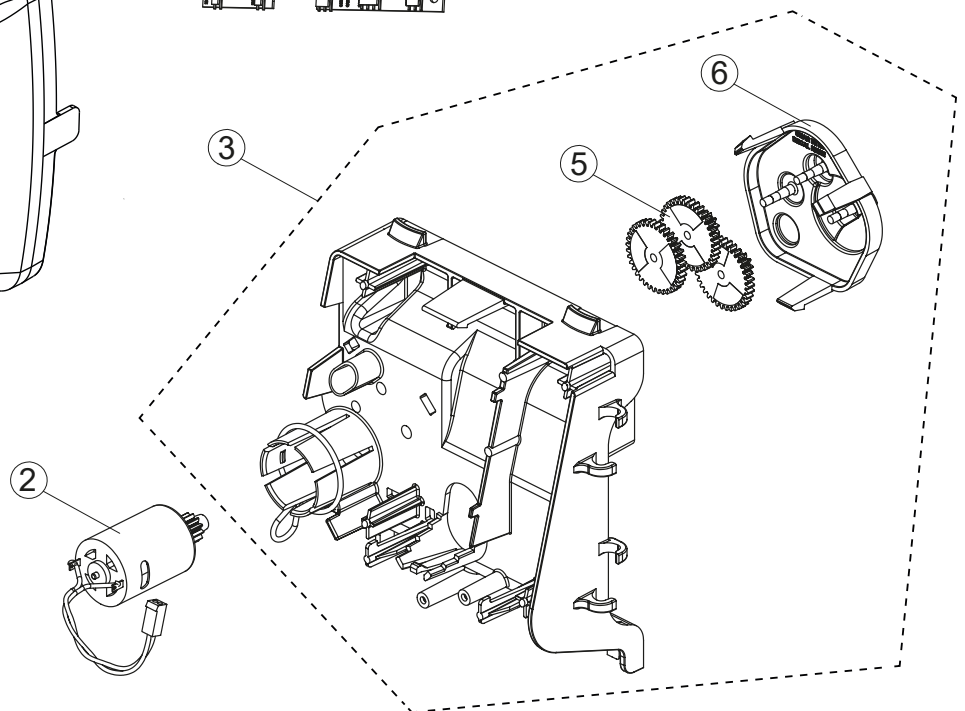
Connect Battery Orientation



Battery replacement is 3 volt lithium coin cell type 2032.



PC Board Relay Terminal Block



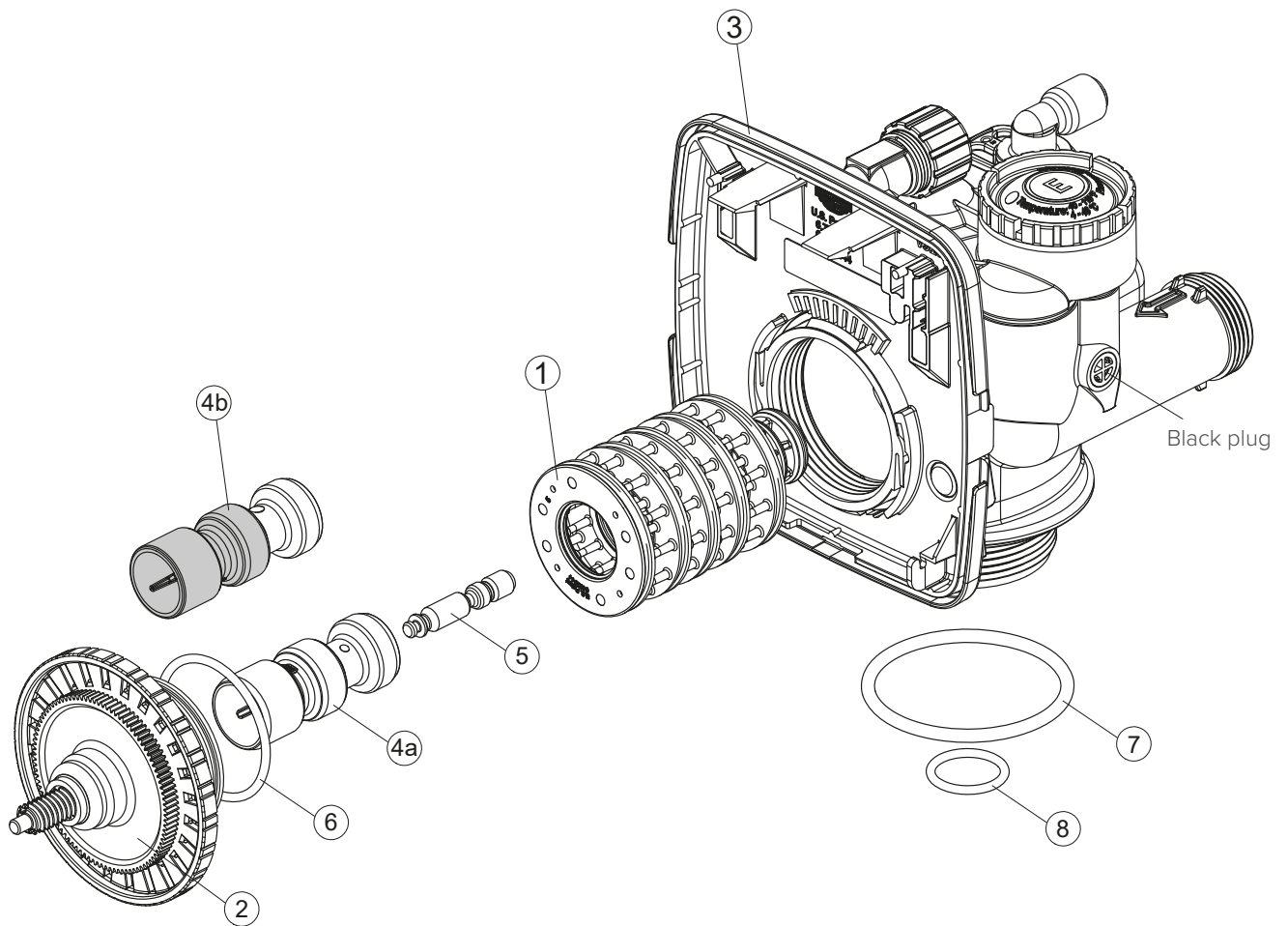
CLACK CI - FRONT COVER AND DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01	5303028712	V3175CI-01	WS1CI Front Cover Asy Black	1	11.78
02	5303025068	V3107-01	Motor 12V	1	9.84
03	5303020223	V3002-A	Drive Bracket & Spring Clip	1	7.83
04	5303025070	V3108CI-06BOARD	Electronic board for CI valves	1	70.63
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303025073	V3109	Drive Gear Cover	1	1.69
N.S.	5303020305	V3186-06	WS1 DC Transformer US 15V	1	12.16
N.S.	5303020277	V3186EU-06	WS1 DC Transformer EU 15V	1	13.03
N.S.	5303020278	V3186UK-06	WS1 DC Transformer UK 15V	1	12.12
N.S.	5303025113	V3186-01	Transformer Cord Only	1	10.16
N.S.	5303025110	V3178	WS1 Drive Back Plate	1	4.83

CLACK WS1 & WS1.25 VALVE

WS1 - Drive cap, pistons & spacer stack	14
WS1.25 - Drive cap, pistons & spacer stack	16
WS1 & WS1.25 - Injector	18
WS1 & WS1.25 - Refill flow control	20
WS1 & WS1.25 - Drain line flow control 3/4"	22
WS1 & WS1.25 - Drain line flow control 1"	24
WS1 & WS1.25 - Water meter & mixing valve	26
WS1 & WS1.25 - Connections	27
WS1 & WS1.25 - Tools	29

WS1 - DRIVE CAP, PISTONS & SPACER STACK



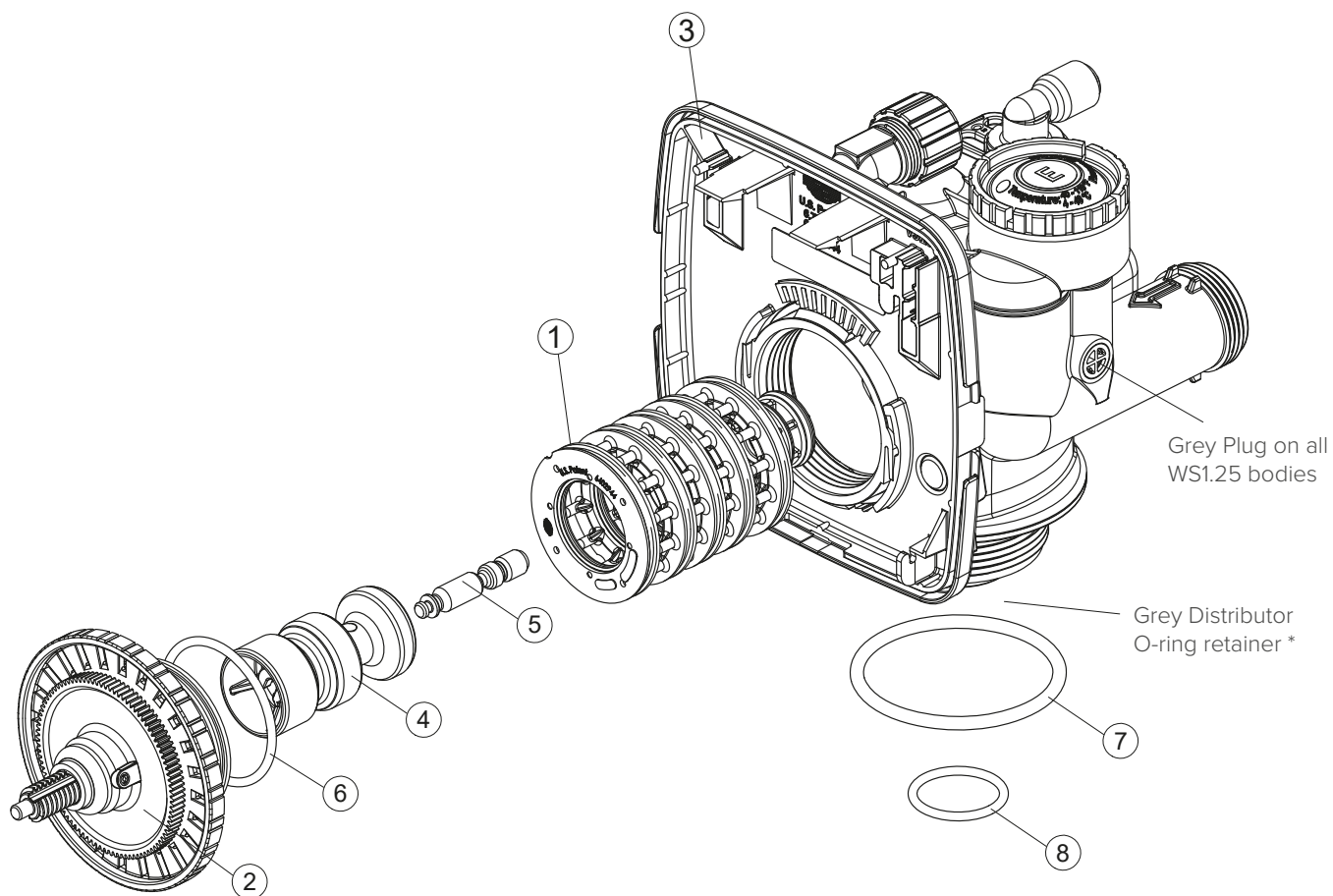
WS1 - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	5303020199	V3005-02	WS1 Spacer Stack	1	28.03
02	5303025053	V3004	Drive Cap Assy	1	18.26
03	5303025110	V3178	WS1 Drive Back Plate	1	4.83
04 A	5303025064	V3011*	WS1 Piston Downflow	1	8.72
04 B	5303025065	V3011-01*	WS1 Piston Upflow	1	17.53
05	5303025104	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.48
06	5303023290	V3135	O-ring 228	1	0.87
07	5303023291	V3180	O-ring 337	1	1.42
08	5303022165	V3105	O-ring 215	1	0.26
N.S.	5303025046	V3001	WS1 Body Asy	1	119.27
N.S.	5303028649	V3001-02	WS1 Body Asy with Mixing	1	45.90
N.S.	5303028646	V3001-UP	WS1 Body Upflow Asy	1	33.45
N.S.	5303028650	V3001-02UP	WS1 Mixing Valve Body Upflow Asy	1	42.37

* V3011 is labeled with DN and V3011-01 is labeled with UP. Upflow option is not applicable to TC control valves.

Note: The regenerant piston is not used in backwash only applications.

WS1.25 - DRIVE CAP, PISTONS & SPACER STACK

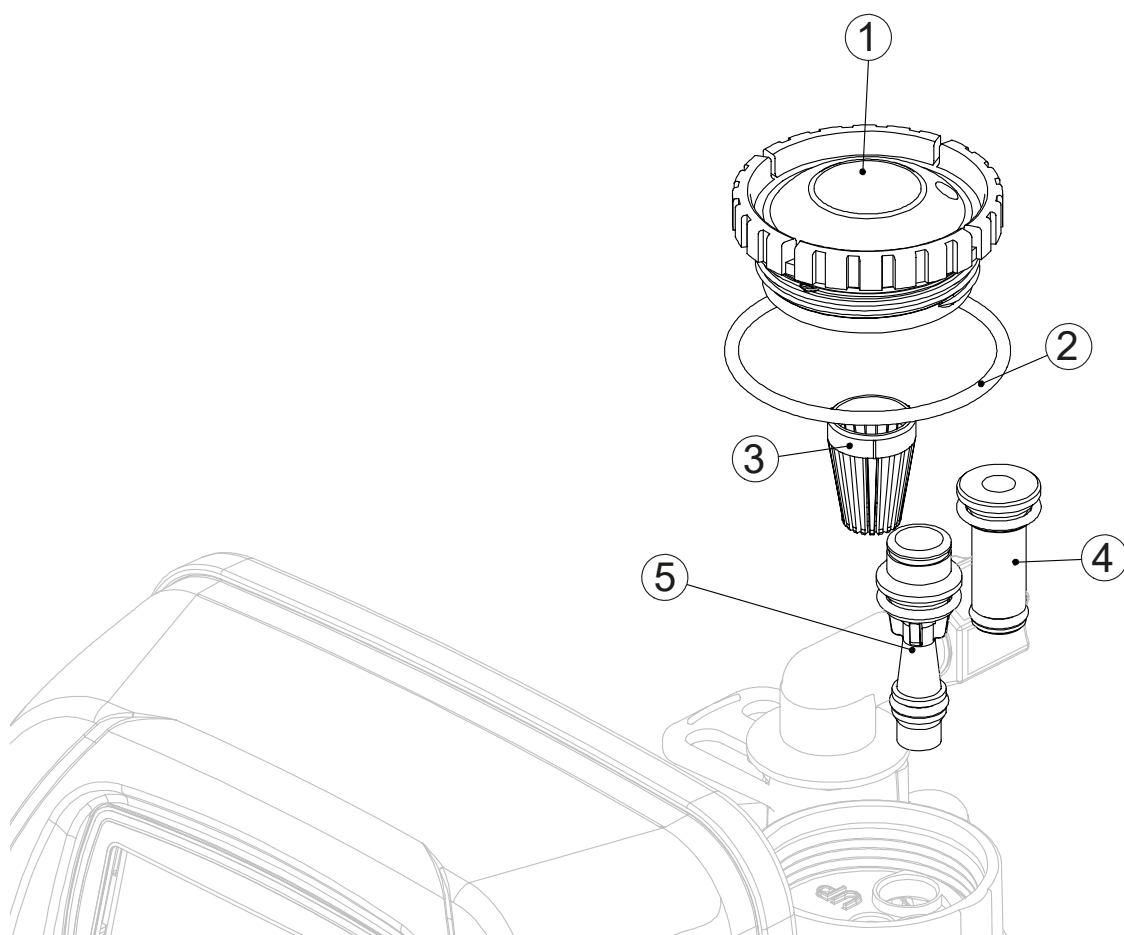


WS1.25 - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	5303020202	V3430-01	WS1.25 & WS1.5 Spacer Stack	1	44.17
02	5303025053	V3004	Drive Cap Assy	1	18.26
03	5303025110	V3178	WS1 Drive Back Plate	1	4.83
04	5303028210	V3407	WS1.25 & WS1.5 Piston Downflow	1	30.84
04	5303020126	V4042	WS1.25 & WS1.5 Piston Upflow (black)	1	38.95
05	5303025104	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.48
06	5303023290	V3135	O-ring 228	1	0.87
07	5303023291	V3180	O-ring 337	1	1.42
08	5303021013	V3357	O-ring 218	1	0.77
N.S.	5303028655	V3020-02	WS1.25 Body Asy 32mm Distributor	1	60.80
N.S.	5303028656	V3020-03	WS1.25 Body Asy 32mm Distributor with mixing	1	72.37

Note: The regenerant piston is not used in backwash only applications.

WS1 & WS1.25 - INJECTOR



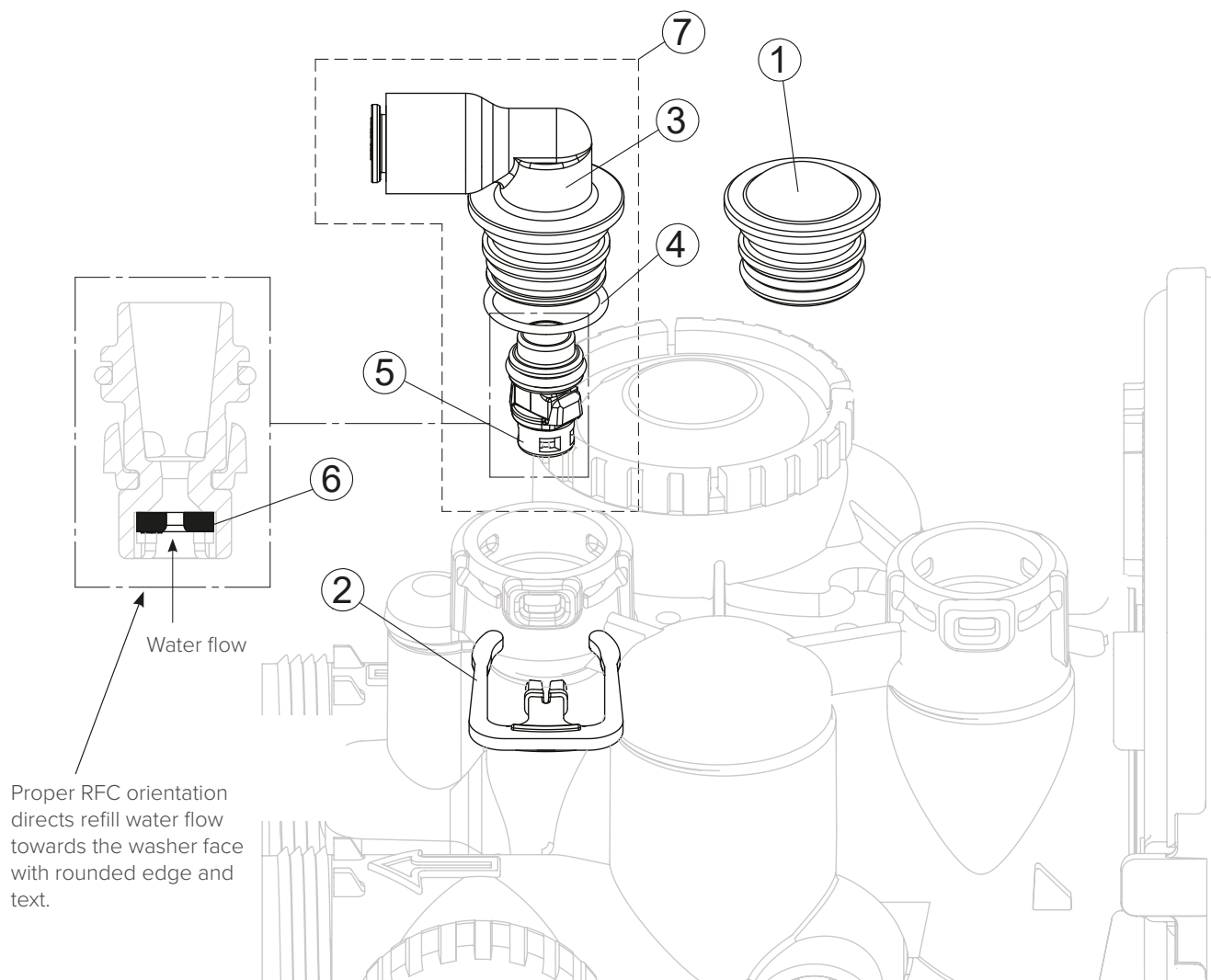
WS1 & WS1.25 - INJECTOR

nr	Reference	Search Name	Item Name	Qty	£
01	5303025108	V3176	WS1 Injector Cap	1	1.44
02	5303029462	V3152	O-ring 135	1	0.63
03	5303020188	V3177-01	WS1 injector screen	1	1.27
04	5303024122	V3010-1Z	Injector plug	1	2.97
05	5303024111	V3010-1A	WS1 injector assembly A Black	1	2.97
05	5303024112	V3010-1B	WS1 injector assembly B Brown	1	2.97
05	5303024113	V3010-1C	WS1 injector assembly C Violet	1	2.97
05	5303024114	V3010-1D	WS1 injector assembly D Red	1	2.97
05	5303024115	V3010-1E	WS1 injector assembly E White	1	2.97
05	5303024116	V3010-1F	WS1 injector assembly F Blue	1	2.97
05	5303024117	V3010-1G	WS1 injector assembly G Yellow	1	2.97
05	5303024118	V3010-1H	WS1 injector assembly H Green	1	2.97
05	5303024119	V3010-1I	WS1 injector assembly I Orange	1	2.97
05	5303024120	V3010-1J	WS1 injector assembly J Light blue	1	2.97
05	5303024121	V3010-1K	WS1 injector assembly K Light Green	1	2.97
N.S.	5303028665	V3170	O-ring 011	1	0.28
N.S.	5303028666	V3171	O-ring 013	1	0.94

* The injector plug and the injector each contain one 011 (lower) and 013 (upper) o-ring.

Note: For upflow position, injector is located in the up hole and injector plug is in the other hole.
 WS1 and WS1.25 upflow bodies are identified by having the DN marking removed.
 Upflow option is not applicable to TC control valves.
 For a filter that only backwashes, injector plugs are located in both holes.

WS1 & WS1.25 - REFILL FLOW CONTROL



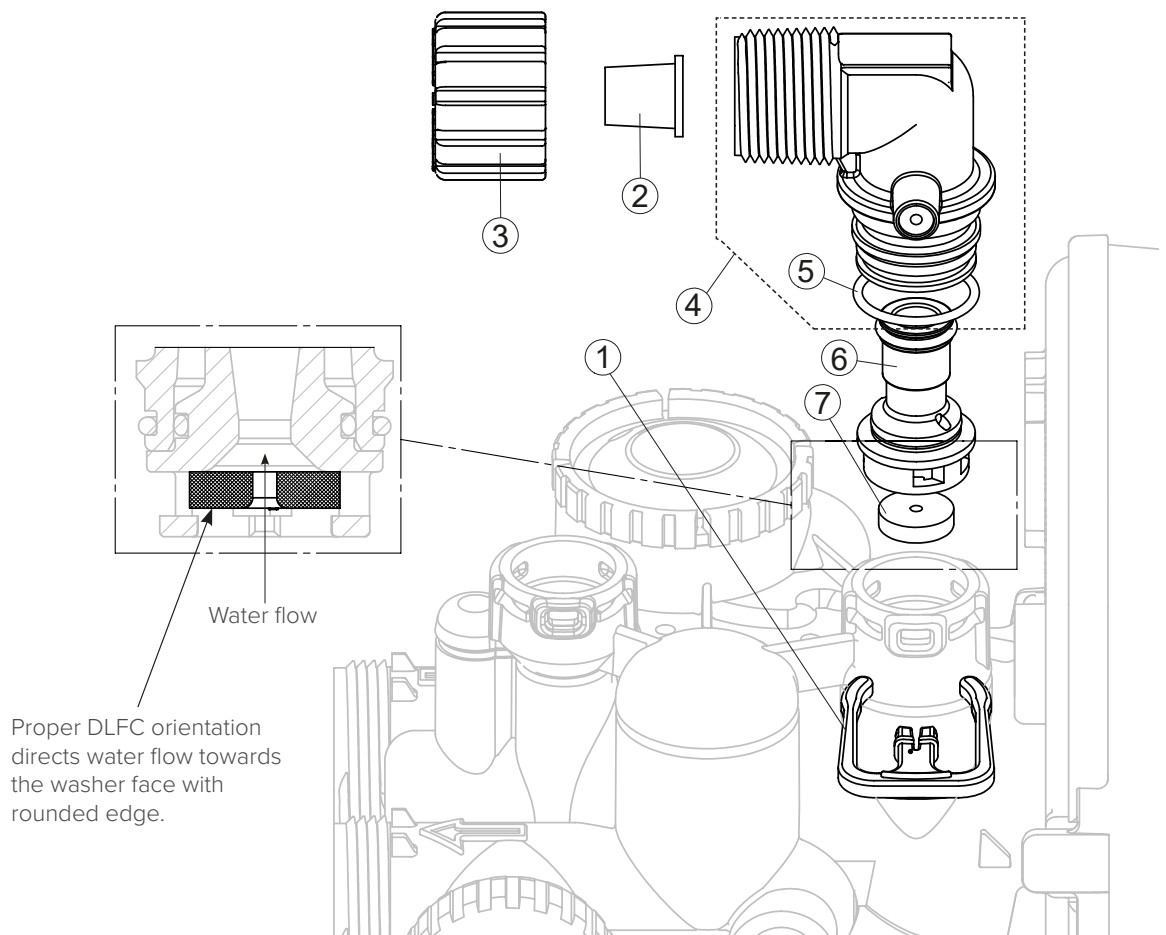
WS1 & WS1.25 - REFILL FLOW CONTROL

nr	Reference	Search Name	Item Name	Qty	£
01*	5303025125	V3195-01	WS1 Refill Port Plug Asy	1	4.02
02	5303025041	H4615	Elbow Locking Clip	1	0.29
03	5303020180	V4144	Elbow 3/8 Liquifit with O-ring	1	2.44
04	5303024403	V3163	O-ring 019	1	0.25
05**	5303025100	V3165-01	WS1 Refill Flow Control Retainer Asy	1	2.58
06	5303025111	V3182	WS1 Refill Flow Control (0.5 gpm)	1	0.75
07	5303020181	V4144-01	Elbow 3/8" Liquifit assy with RFC	1	4.42
N.S.	5303020189	V3552	WS1 Brine Elbow Assembly with Refill Flow Control 1/2"	Option	4.37
N.S.	5303025043	H4650	Elbow 1/2" with nut & insert	Option	5.49

* This part is required for backwash only systems

** Assembly includes V3182 WS1 (0.5 gpm) RFC

WS1 & WS1.25 - DRAIN LINE FLOW CONTROL 3/4"



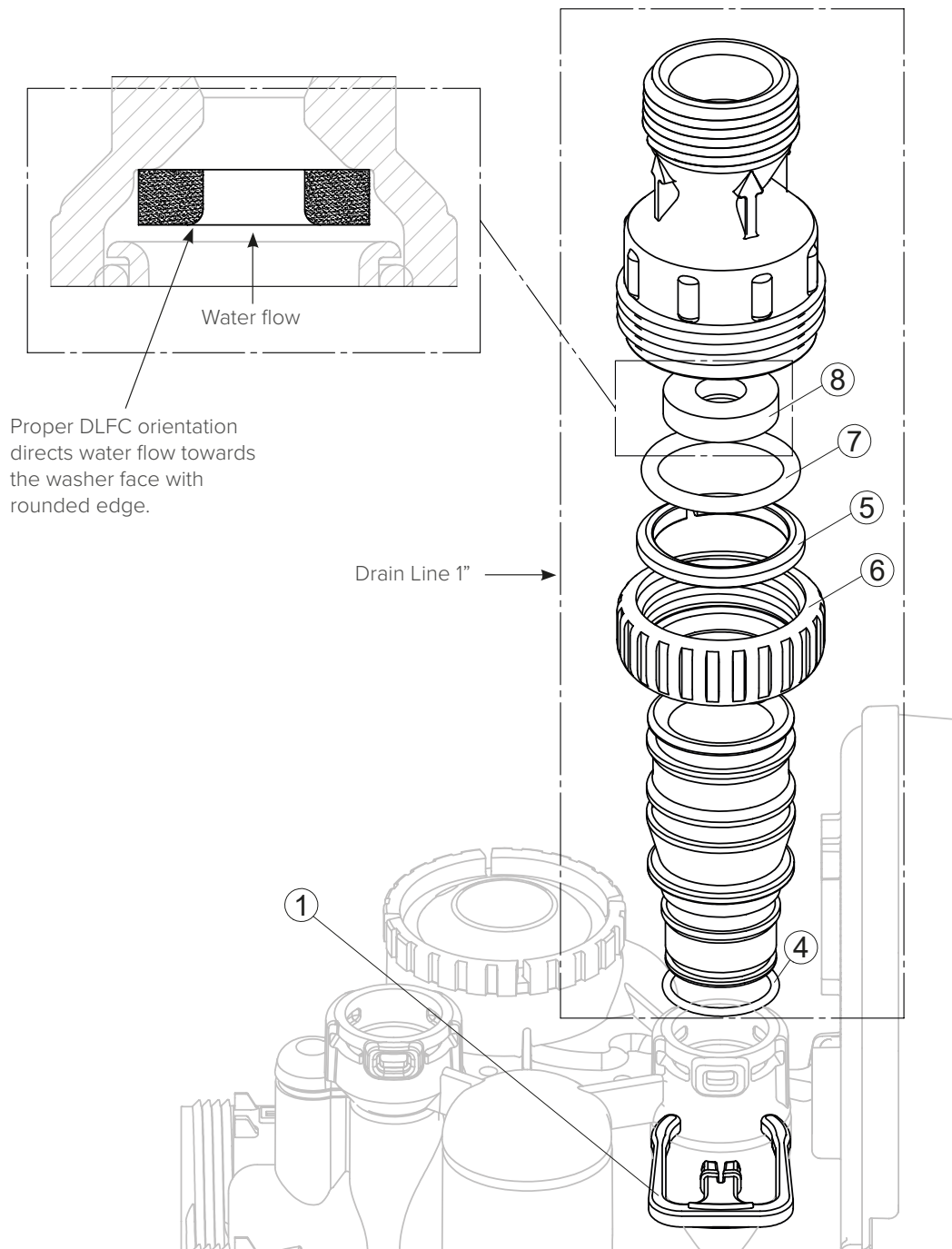
WS1 & WS1.25 - DRAIN LINE FLOW CONTROL 3/4"

nr	Reference	Search Name	Item Name	Qty	£
01	5303025041	H4615	Elbow Locking Clip	1	0.29
02	5303024090	PKP10TS8-BULK	Insert Polytube 5/8"	Option	0.77
03	5303024088	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	Option	0.77
04 *	5303025098	V3158-01	WS1 Drain Elbow 3/4" Male Asy	1	2.72
04 *	5303020002	V3158-02	WS1 Drain Elbow 3/4" Male Asy No Silencer	1	2.72
05	5303024403	V3163	O-ring 019	1	0.25
06 *	5303025099	V3159-01	WS1 DLFC Retainer Asy	1	1.08
07	5303024091	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"		1.36
07	5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"		1.36
07	5303024093	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"		1.36
07	5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"		1.36
07	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"		1.36
07	5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"		1.36
07	5303024097	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"		1.36
07	5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"		1.34
07	5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"		1.36
07	5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"		1.36
07	5303024101	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"		1.36
07	5303024102	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"		1.36
07	5303024103	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"		1.36

- * 4 and 6 can be ordered as a complete assembly:
- 5303020037 - V4057 - WS1 drain elbow & retain with silencer assy
 - 5303020219 - V3962 - WS1 drain elbow & retain without silencer assy

Note: Valves are shipped without drain line flow control (DLFC) - install DLFC before using.
Valves are shipped without 3/4 nut for drain elbow (polytube installation only) and 5/8" polytube insert (polytube installation only).

WS1 & WS1.25 - DRAIN LINE FLOW CONTROL 1"



WS1 & WS1.25 - DRAIN LINE FLOW CONTROL 1"

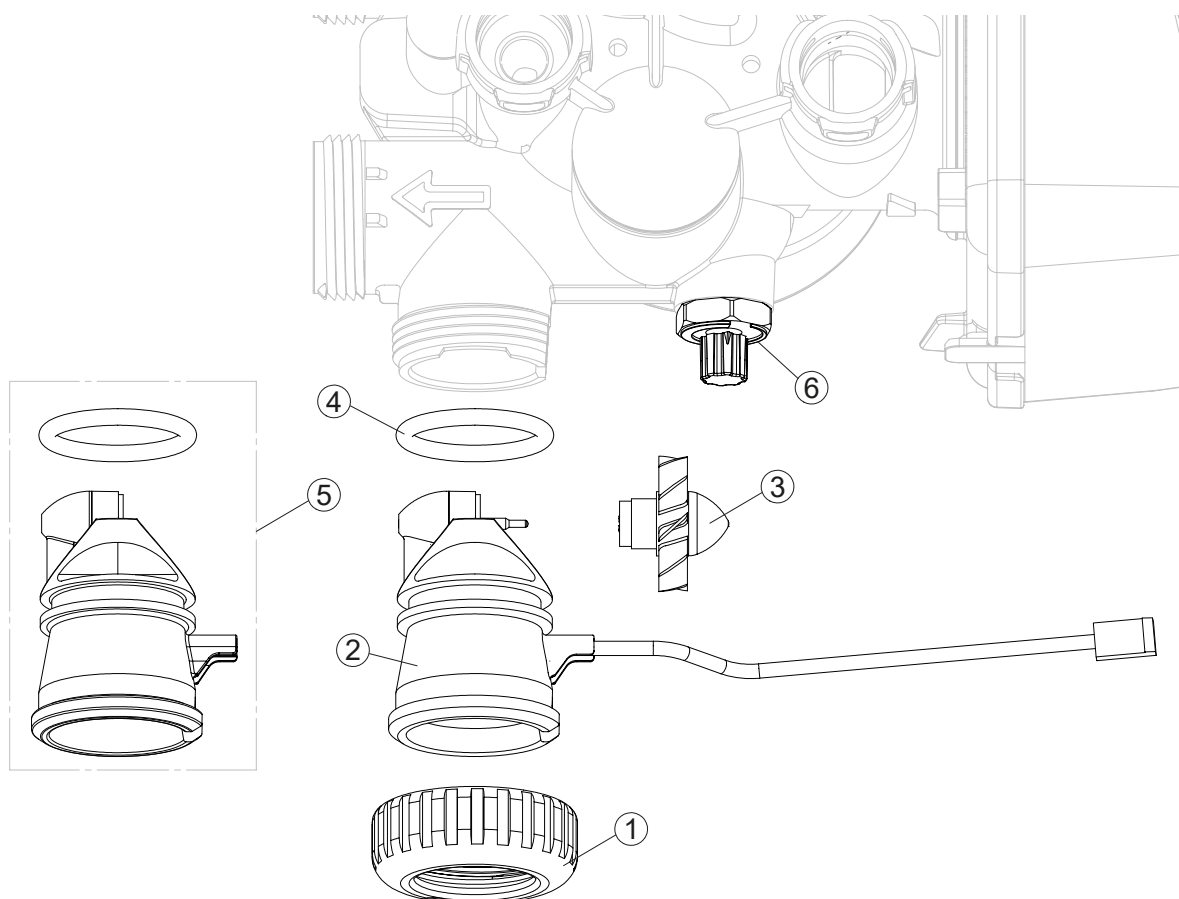
nr	Reference	Search Name	Item Name	Qty	£
01	5303025041	H4615	Elbow Locking Clip	1	0.29
04 *	5303024403	V3163	O-ring 019	1	0.25
05 *	5303025094	V3150	WS1 Split Ring	1	0.28
06 *	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
07 *	5303022165	V3105	O-ring 215	1	0.26
08	5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"		3.48
08	5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"		3.52
08	5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"		3.52
08	5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"		3.52
08	5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"		3.52
08	5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"		3.52
08	5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"		3.52
08	5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"		3.52

*

2 through 7 can be ordered as a complete assembly:

- 5303024083 - V3008-02 - WS1 Fitting drain 1 straight with silencer or
- 5303028607 - V3008-04 - WS1 Fitting drain 1 straight without silencer

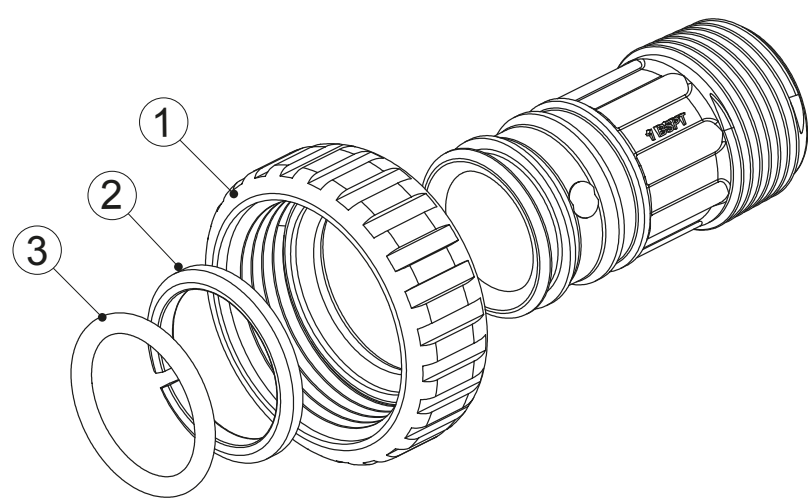
WS1 & WS1.25 - WATER METER & MIXING VALVE



nr	Reference	Search Name	Item Name	Qty	£
01	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
02 *	5303025051	V3003-05	WS1 Meter Asy	1	45.53
03	5303025088	V3118-01	WS1 Turbine Asy	1	12.70
04	5303022165	V3105	O-ring 215	1	0.26
05	5303025052	V3003-01	WS1 Meter Plug Asy	1	2.97
06	5303025066	V3013	WS1 Mixing Valve Assembly	Optional	20.51

* Order number V3003-05 includes V3118-01 WS1 Turbine assy and V3105 O-ring 215.

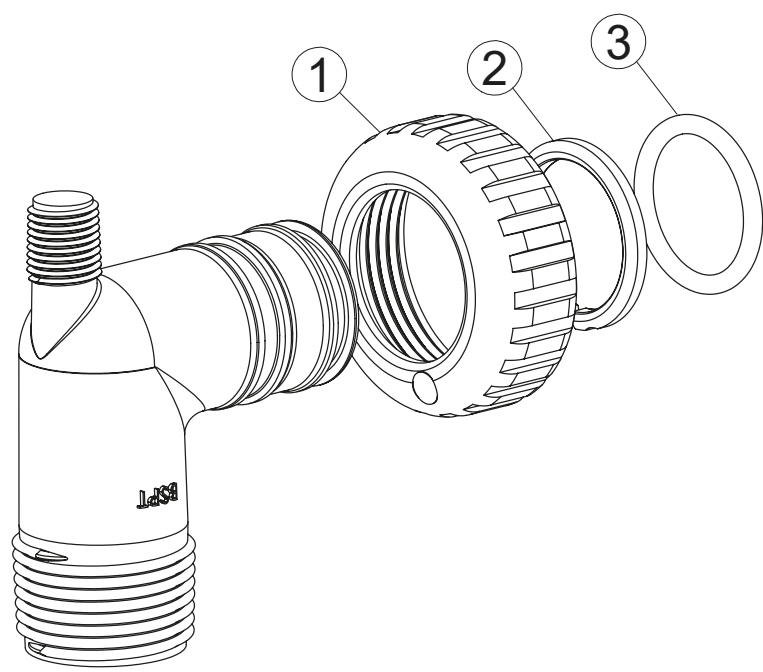
WS1 & WS1.25 - CONNECTIONS



nr	Reference	Search Name	Item Name	Qty	£
WS1 Fitting plastic male BSPT assy					
01	5303025096	V3151	WS1 Nut 1" quick connect	2	0.87
02	5303025094	V3150	WS1 Split Ring	2	0.28
03	5303022165	V3105	O-ring 215	2	0.26
kit*	5303026540	V3007-14	WS1 Fitting 3/4" Plastic Male BSPT assy	Kit	8.96
kit*	5303024082	V3007-06	WS1 Fitting 1" Plastic Male BSPT assy	Kit	8.96
kit*	5303024081	V3007-08	WS1 Fitting 1.25" Plastic Male BSPT assy	Kit	9.25

* each kit consists of two fitting assemblies.

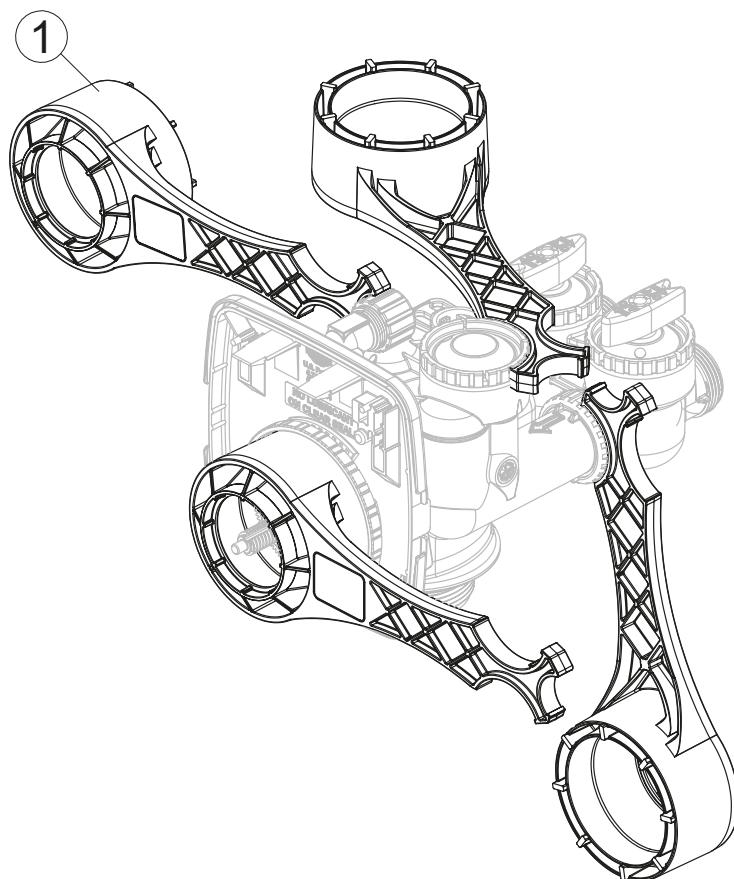
WS1 & WS1.25 - CONNECTIONS



nr	Reference	Search Name	Item Name	Qty	£
WS1 Fitting plastic male BSPT elbow assy					
01	5303025096	V3151	WS1 Nut 1" quick connect	2	0.87
02	5303025094	V3150	WS1 Split Ring	2	0.28
03	5303022165	V3105	O-ring 215	2	0.26
Kit	5303020009	V3007-16	WS1 Fitting 1" Plastic Male BSPT Elbow assy	Kit	5.66

* each kit consists of two fitting assemblies.

WS1 & WS1.25 - TOOLS

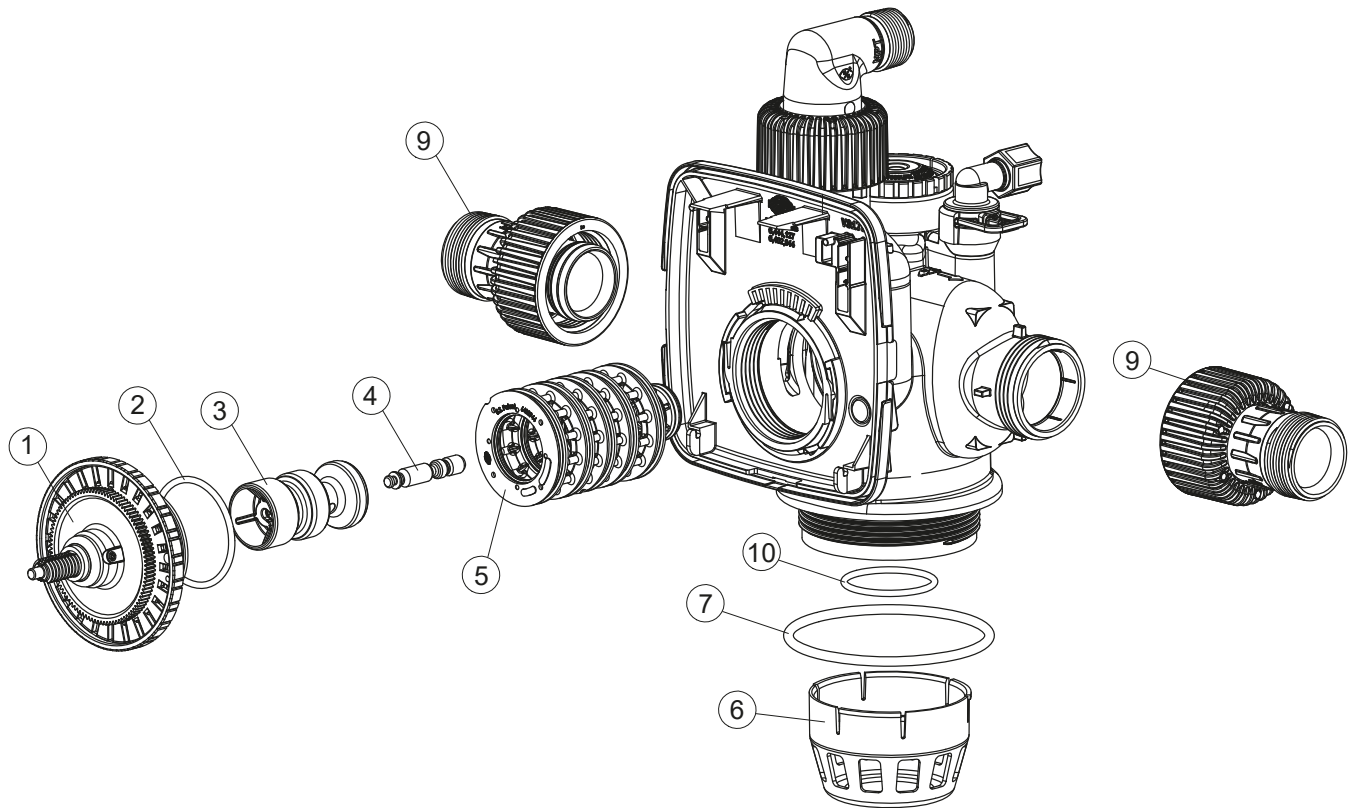


nr	Reference	Search Name	Item Name	Qty	£
01	5303028632	V3193-02	Service Spanner Wrench	1	8.78
N.S.	5303020215	V3022	WS1 Stack puller assembly	1	15.27
N.S.	5303020317	V3022-15	WS1.25/WS1.5 Stack puller assembly	1	15.94

CLACK WS1.5 & WS2 VALVE

WS1.5 Plastic - Drive cap, pistons & spacer stack	32
WS1.5 Plastic - Injector & refill	34
WS1.5 Plastic - Drain line flow control 1"	36
WS1.5 Plastic - Water meter	37
WS1.5 Brass - Drive cap, pistons & spacer stack	38
WS1.5 Brass - Injector & refill	40
WS2 - Drive cap, pistons & spacer stack	42
WS2 - Injector & refill	44
WS2QC - Drive cap, pistons & spacer stack	46
WS2QC - Tank adapters	48
WS1.5 Brass & WS2 - Drain Line Flow Control 3/4" (0.7 - 10 GPM)	50
WS1.5 Brass & WS2 - Drain Line Flow Control 1" (9 - 25 GPM)	52
WS1.5 Brass & WS2 - Stainless steel drain line flow control (9 - 85 GPM)	54
WS1.5 Brass & WS2 - Water meter	56

WS1.5 PLASTIC - DRIVE CAP, PISTONS & SPACER STACK

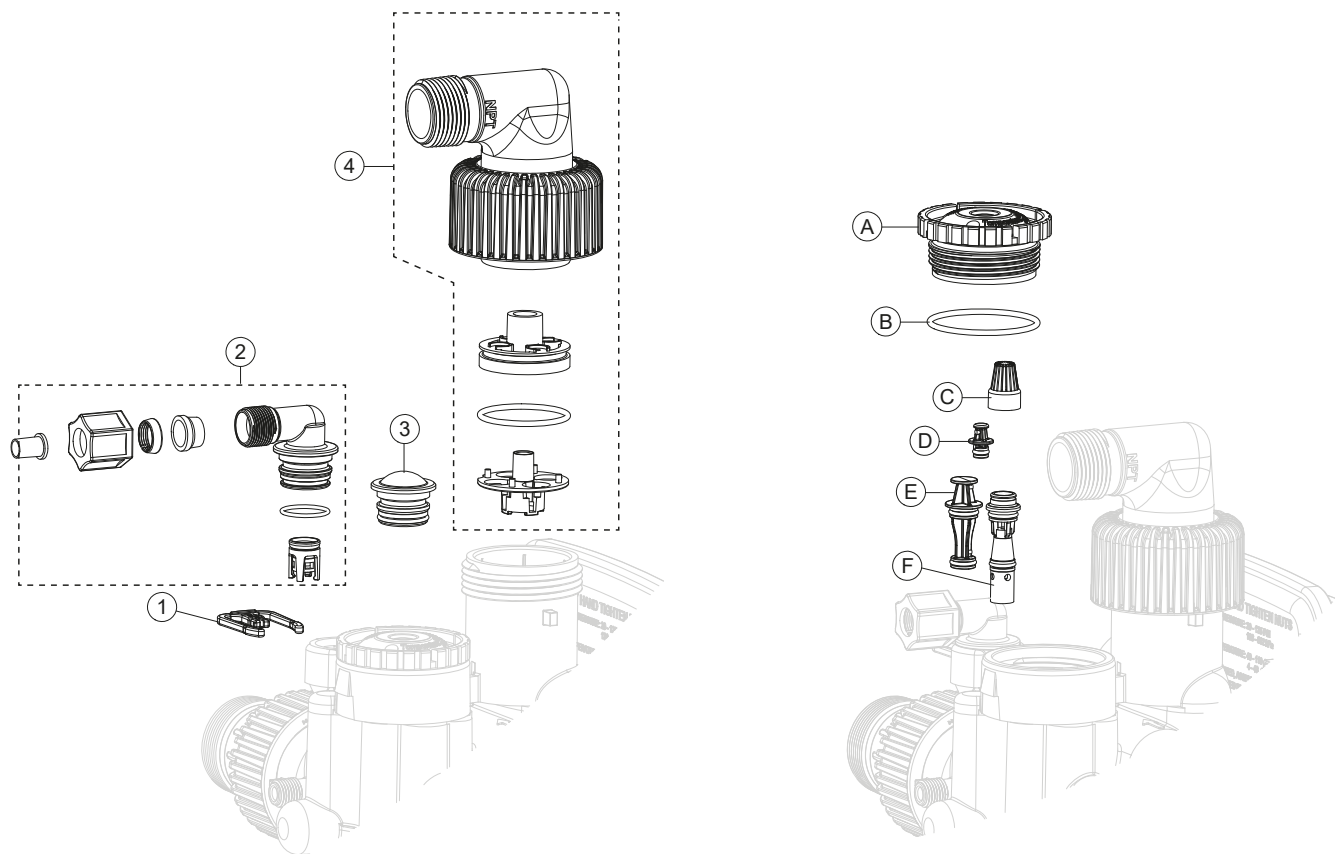


WS1.5 PLASTIC - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	5303025053	V3004	Drive Cap Assy	1	18.26
02	5303023290	V3135	O-ring 228	1	0.87
03	5303028210	V3407	WS1.25 & WS1.5 Piston Downflow	1	30.84
03	5303020126	V4042	WS1.25 & WS1.5 Piston Upflow (black)	1	38.95
04 *	5303025104	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.48
05	5303020202	V3430-01	WS1.25 & WS1.5 Spacer Stack	1	44.17
06	5303020350	D1300	WS1.5 Top Baffle Diffuser	1	6.89
07	5303021031	V3419	O-ring 347	1	3.19
09	5303020325	V4430-02	WS1.5 Plastic Fitting Asy QC to BSPT	Option	16.62
09	5303020382	V4430-08	WS1.5 Plastic Fitting Elbow Asy QC to BSPT	Option	18.82
10	5303021035	V3441	O-ring 226	1	0.47

* V3174 Regenerant Piston not used for Backwash Only valves. Use V3010-15Z Injector Plug and V3195-01 Refill Port Plug Assembly.

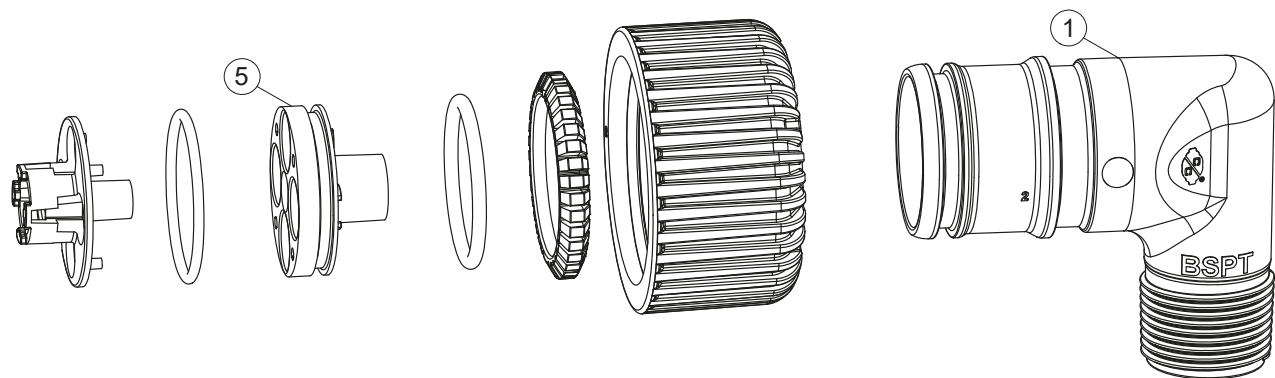
WS1.5 PLASTIC - INJECTOR & REFILL



WS1.5 PLASTIC - INJECTOR & REFILL

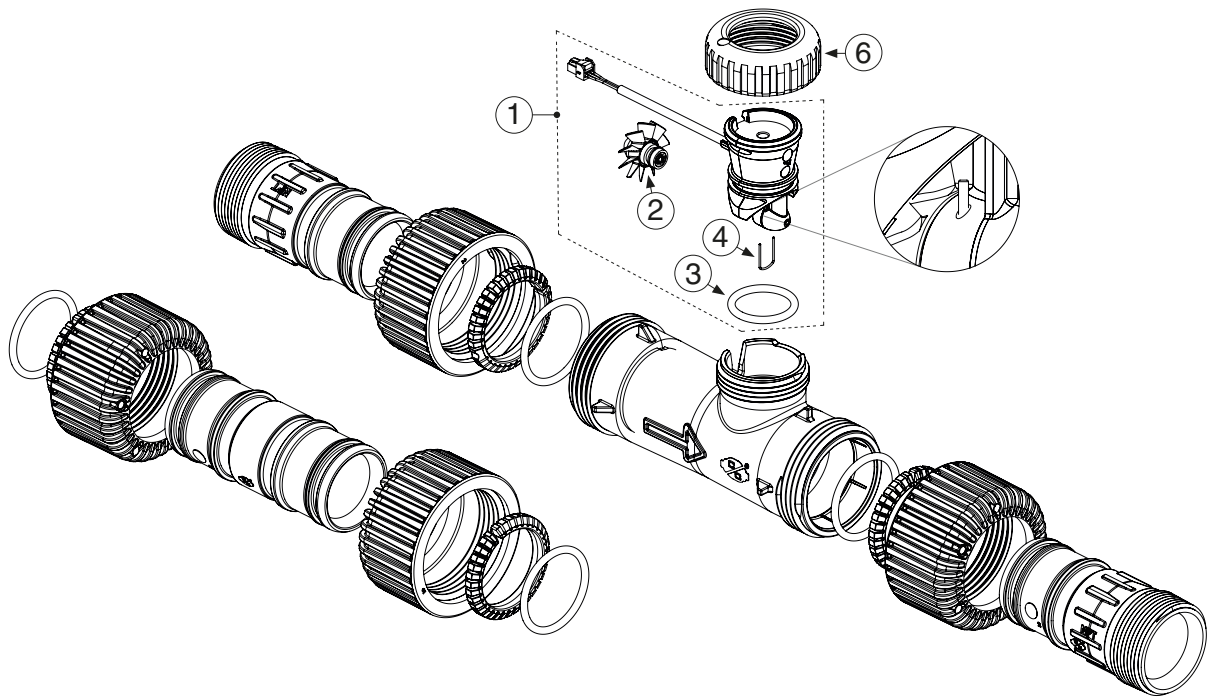
nr	Reference	Search Name	Item Name	Qty	£
01	5303025041	H4615	Elbow Locking Clip	1	0.29
02	5303020036	V3498	WS1.5 Brine Elbow Assembly with Refill Flow Control 1/2"	1	6.05
03	5303025125	V3195-01	WS1 Refill Port Plug Asy	1	4.02
04	5303020332	V4430-04BSPT	WS1.5 Plastic Drain Elbow & DLFC Retainer	1	13.10
A	5303020349	V4349	WS1.5 Injector Cap	1	1.34
B	5303029462	V3152	O-ring 135	1	0.63
C	5303020248	V4120	DV Injector Screen	1	0.40
D	5303020335	V4350-15Z	WS1.5 Plastic Injector Feed Plug	1	0.99
E	5303029313	V3010-15Z	WS1.5 injector assembly Z Plug	1 or 2	4.97
F	5303028202	V3010-1.5B	WS1.5 injector assembly B Violet	1	15.36
F	5303028204	V3010-1.5C	WS1.5 injector assembly C Red	1	15.36
F	5303028205	V3010-1.5D	WS1.5 injector assembly D White	1	15.36
F	5303028206	V3010-1.5E	WS1.5 injector assembly E Blue	1	15.36
F	5303028207	V3010-1.5F	WS1.5 injector assembly F Yellow	1	15.36
F	5303028208	V3010-1.5G	WS1.5 injector assembly G Green	1	15.36
F	5303028652	V3010-1.5H	WS1.5 injector assembly H Orange	1	15.36
F	5303029313	V3010-15Z	WS1.5 injector assembly Z Plug	1	4.97

WS1.5 PLASTIC - DRAIN LINE FLOW CONTROL 1”



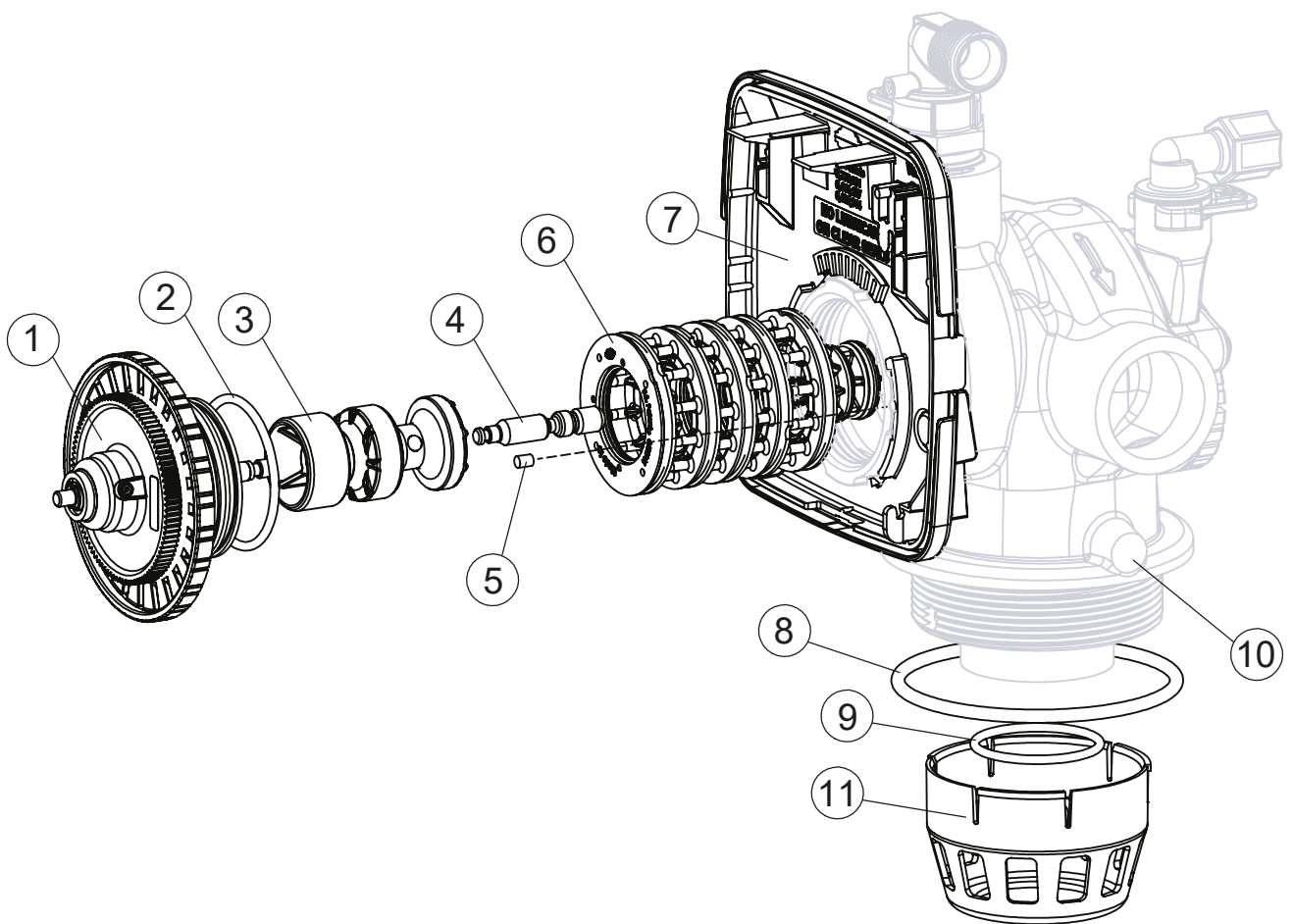
nr	Reference	Search Name	Item Name	Qty	£
01	5303020333	V4359	WS1.5 Plastic Drain Elbow 1" BSPT	1	3.48
05	5303020334	V4351	WS1.5 Plastic Flow Control Housing	1	1.61
Kit	5303020332	V4430-04BSPT	WS1.5 Plastic Drain Elbow & DLFC Retainer	1	13.10

WS1.5 PLASTIC - WATER METER



nr	Reference	Search Name	Item Name	Qty	£
01	5303021091	V3221	WS1.5/2/2H/3 Commercial Meter Assy 15' cable	1	73.89
02	5303020010	V3118-03	WS1.5/2 Turbine Assembly	1	15.44
03	5303022165	V3105	O-ring 215	1	0.26
04	5303020011	V3501	WS1.5/2 Turbine Clip	1	1.16
06	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
Kit	5303020309	V3045BSPT	WS1.5 Plastic Meter Asy BSPT	1	258.92
Kit	5303020310	V3045BSPT-15	WS1.5 Plastic Meter Asy BSPT - 4.5m cable	1	252.26
Kit	5303020318	V3045QC	WS1.5 Plastic Meter Asy QC	1	248.07
Kit	5303020320	V3045QC-15	WS1.5 Plastic Meter Asy QC - 4.5m cable	1	269.12

WS1.5 BRASS - DRIVE CAP, PISTONS & SPACER STACK



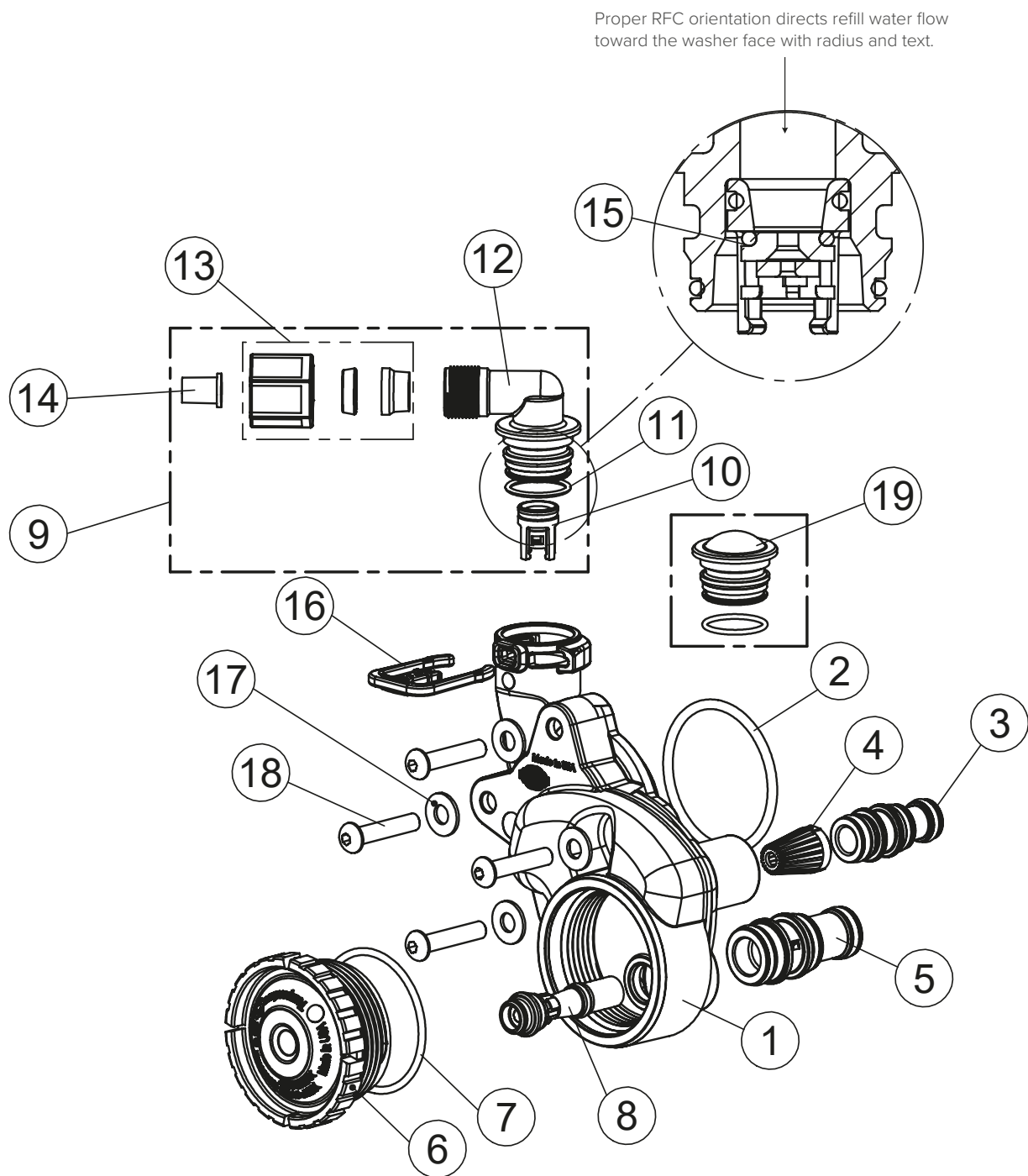
WS1.5 BRASS - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	5303025053	V3004	Drive Cap Assy	1	18.26
02	5303023290	V3135	O-ring 228	1	0.87
03	5303028210	V3407	WS1.25 & WS1.5 Piston Downflow	1	30.84
03	5303020126	V4042	WS1.25 & WS1.5 Piston Upflow (black)	1	38.95
04*	5303025104	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.48
05	5303021033	V3423	WS1.5 Backplate Dowel	1	0.32
06	5303020202	V3430-01	WS1.25 & WS1.5 Spacer Stack	1	44.17
07	5303025110	V3178	WS1 Drive Back Plate	1	4.83
08	5303021031	V3419	O-ring 347	1	3.19
09	5303021035	V3441	O-ring 226	1	0.47
10**	5303020098	V3950BSPT-01	WS1.5 Body BSPT with V3419&V3465	1	434.18
11	5303020350	D1300	WS1.5 Top Baffle Diffuser	1	6.89
N.S.	5303020200	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	1	1.19

* V3174 regenerant piston not used for backwash only valves. V3010-15Z injector plug and V3195-01 refill port plug assembly must be used for backwash only valves.

** BSPT threads on inlet and outlet ports on the V3950BSPT-01, NPT threads on drain port

WS1.5 BRASS - INJECTOR & REFILL



WS1.5 BRASS - INJECTOR & REFILL

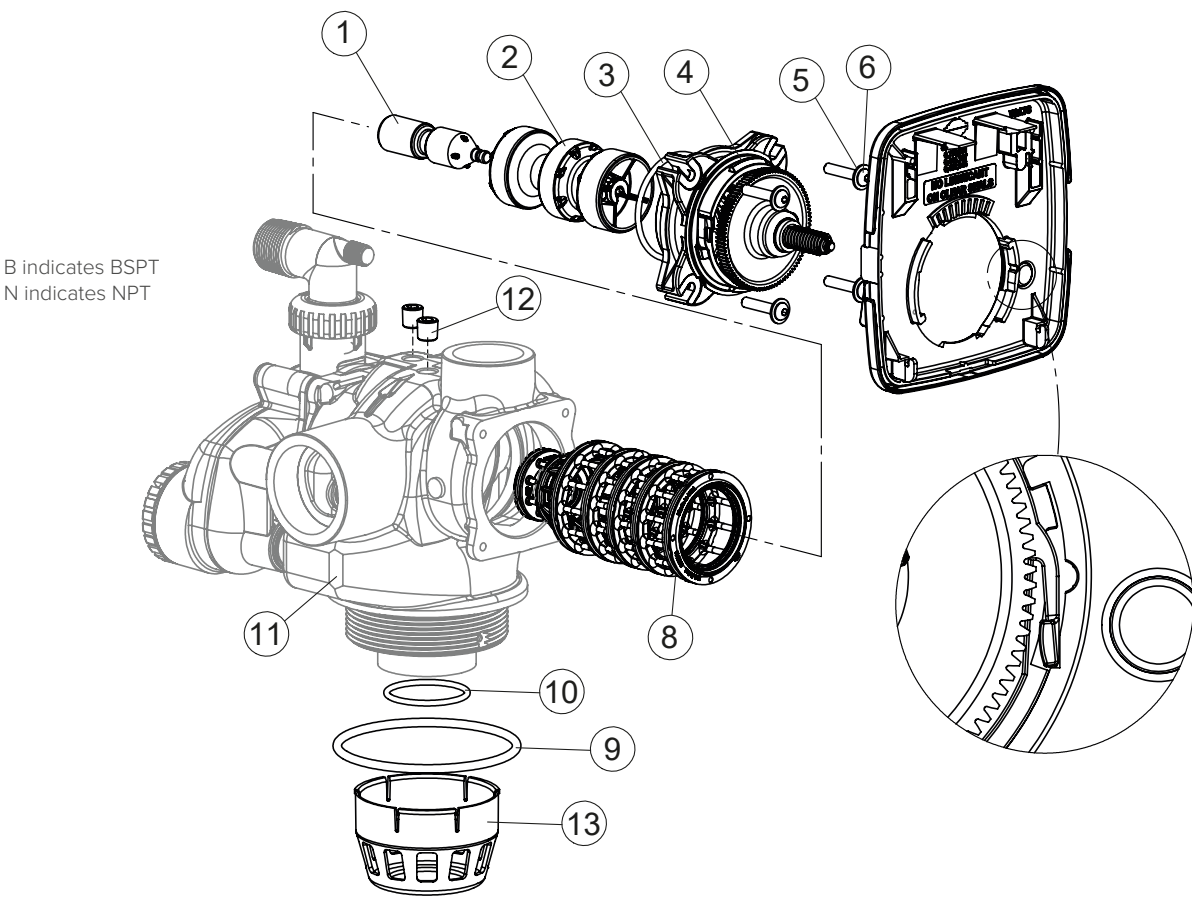
nr	Reference	Search Name	Item Name	Qty	£
01	5303020182	V3967	WS15 Injector body asy Gen.2	1	11.31
02	5303021035	V3441	O-ring 226	1	0.47
03**	5303020185	V3968	WS1.5 Injector Feed Tube Downflow	1	2.86
03**	5303020127	V3968-01	WS1.5 Injector Feed Tube Up flow	1	10.52
04	5303020188	V3177-01	WS1 injector screen	1	1.27
05***	5303020186	V3969	WS15. Injector Draw Tube asy Down Flow (black)	1	3.20
05***	5303020128	V3969-01	WS15. Injector Draw Tube asy Up Flow (Grey)	1	10.89
06	5303020349	V4349	WS1.5 Injector Cap	1	1.34
07	5303029462	V3152	O-ring 135	1	0.63
08	5303028202	V3010-1.5B	WS1.5 injector assembly B Violet	1	15.36
08	5303028204	V3010-1.5C	WS1.5 injector assembly C Red	1	15.36
08	5303028205	V3010-1.5D	WS1.5 injector assembly D White	1	15.36
08	5303028206	V3010-1.5E	WS1.5 injector assembly E Blue	1	15.36
08	5303028207	V3010-1.5F	WS1.5 injector assembly F Yellow	1	15.36
08	5303028208	V3010-1.5G	WS1.5 injector assembly G Green	1	15.36
08	5303028652	V3010-1.5H	WS1.5 injector assembly H Orange	1	15.36
08	5303029313	V3010-15Z	WS1.5 injector assembly Z Plug	1	4.97
09*	5303020036	V3498	WS1.5 Brine Elbow Assembly with Refill Flow Control 1/2"	1	6.05
10*	5303028212	V3428	WS1.5 Refill Retainer Asy	1	4.16
11	5303024403	V3163	O-ring 019	1	0.25
12	5303028640	H4612-01	Elbow Cap 1/2"	1	1.85
13	5303028644	JCPG-8PBLK	Nut 1/2" Compression	1	0.45
14	5303028643	JCP-P-8	Polytube Insert 1/2"	1	0.25
15	5303025111	V3182	WS1 Refill Flow Control (0.5 gpm)	1	0.75
16	5303025041	H4615	Elbow Locking Clip	1	0.29
17	5303021702	V3724	Washer Flat SS 1/4	4	0.15
18	5303020014	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.63
19	5303025125	V3195-01	WS1 Refill Port Plug Asy	1	4.02

* Contains a V3182 0.5 gpm flow control

** V3968 and V3968-01 each contain one D1245 O-RING 111 and two V3155 O-RING 112

*** V3969 and V3969-01 each contain one V3638 O-RING 113 and two V3157 O-RING 115

WS2 - DRIVE CAP, PISTONS & SPACER STACK



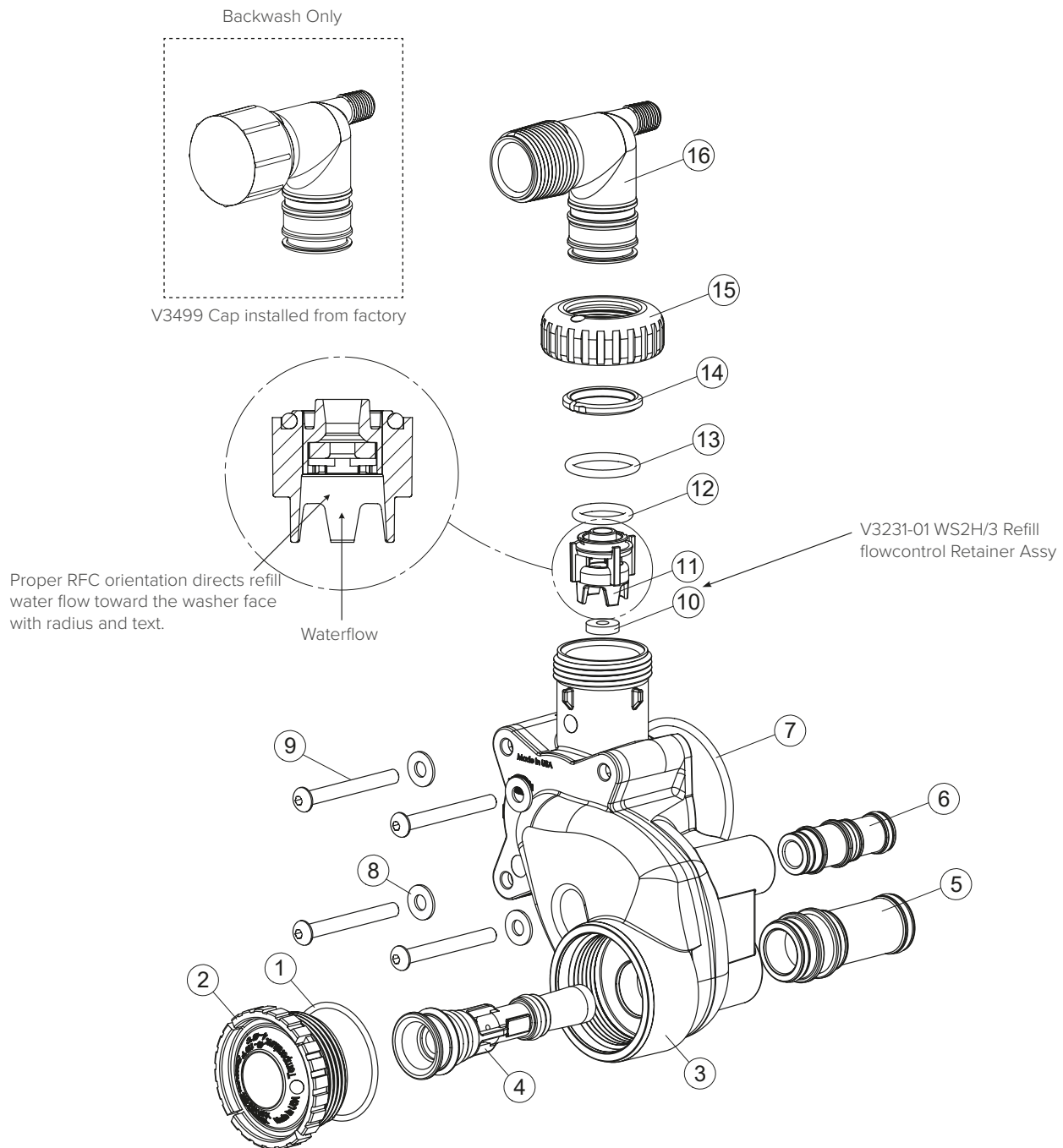
WS2 - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01 *	5303021704	V3726	WS2 Brine Piston	1	17.10
02	5303021703	V3725	WS2 Piston Downflow	1	35.71
02	5303020129	V4059	WS2 Piston Upflow (black)	1	34.46
03	5303020013	V3452	O-ring 230	1	0.90
04	5303021706	V3728	WS2 Drive Cap Assembly	1	40.72
05	5303021702	V3724	Washer Flat SS 1/4	4	0.15
06	5303020014	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.63
08	5303021707	V3729	WS2 Spacer Stack Downflow	1	49.82
08	5303020130	V3729-01	WS2 Spacer Stack Upflow	1	55.54
09	5303021031	V3419	O-ring 347	1	3.19
10	5303021035	V3441	O-ring 226	1	0.47
11 *	5303021701	V3700BSPT-01	WS2 Body Downflow BSPT Threads	1	847.19
12	5303020200	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	2	1.19
13	5303020350	D1300	WS1.5 Top Baffle Diffuser	1	6.89

* V3726 WS2 Brine Piston must also be used for Backwash Only valves.

** BSPT threads on inlet and outlet ports on the V3700BSPT-01, NPT threads on the drain port.

WS2 - INJECTOR & REFILL



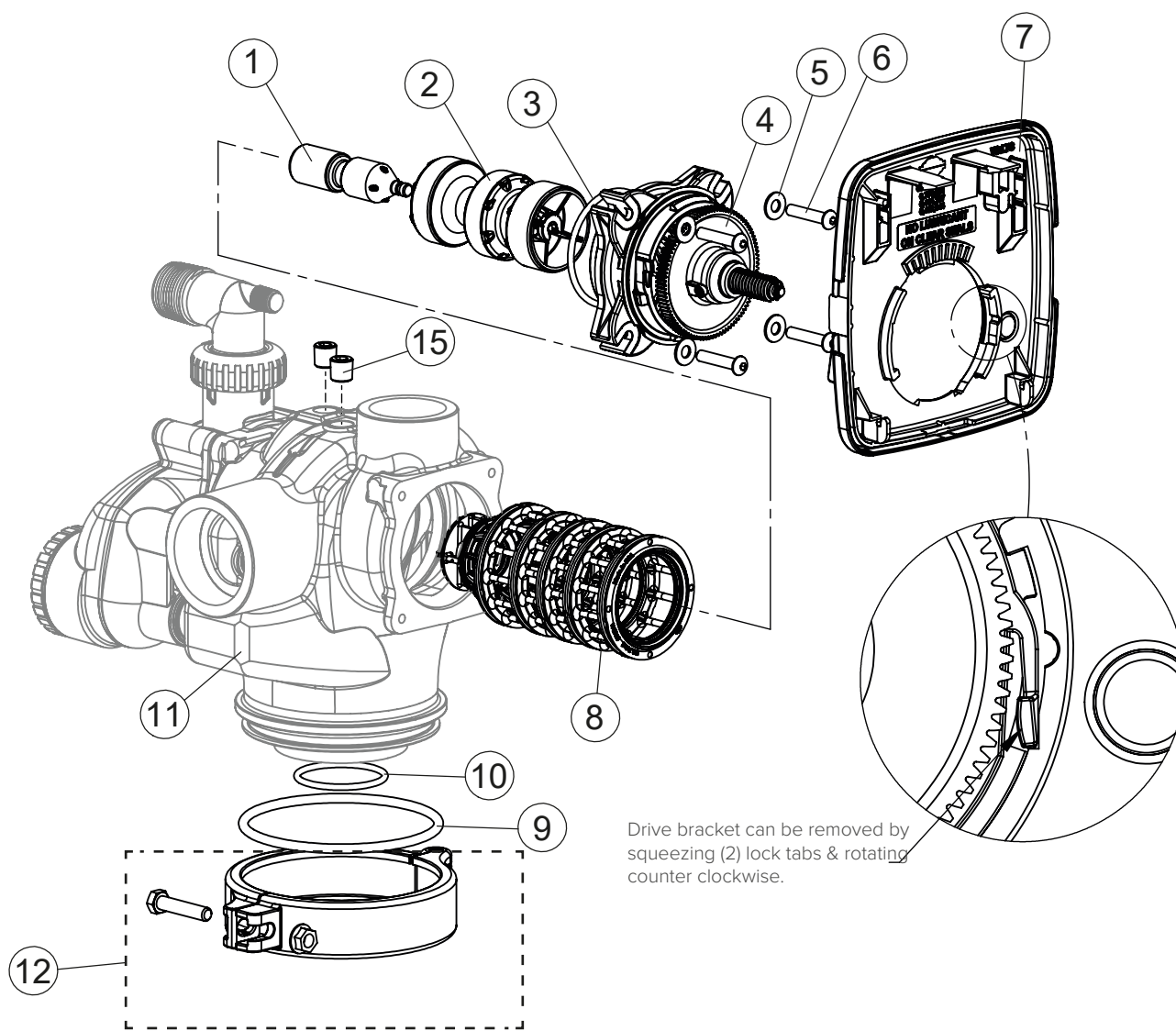
* Any V3162-XXX flow control may be used. WS2 valves are shipped with a V3162-022 (2.2 gpm) flow control. Flow control sizes range from 0.7 up to 10 gpm.

*** BSPT Valves also include a V3797 WS1 Fitting 1" male BSPT elbow
 A V3731 and V3731-01 each contain one D1262 O-ring 118 and two V3639 O-ring 119.
 A V3730 and V3730-01 each contain three V3638 O-ring 113.
 Backwash Only Valves include a V3499 but do not include the following parts: V3189, H4915, V3162-022, V3231 and V3277.

WS2 - INJECTOR & REFILL

nr	Reference	Search Name	Item Name	Qty	£
01	5303021233	V3477	WS2 Injector Cap	1	3.28
02	5303029462	V3152	O-ring 135	1	0.63
03	5303021705	V3727	WS2 Injector Body Assembly	1	26.13
04	5303021065	V3010-2A	WS2/WS2H injector assembly A	1	18.67
04	5303021066	V3010-2B	WS2/WS2H injector assembly B	1	18.67
04	5303021067	V3010-2C	WS2/WS2H injector assembly C	1	18.67
04	5303021068	V3010-2D	WS2/WS2H injector assembly D	1	18.67
04	5303021069	V3010-2E	WS2/WS2H injector assembly E	1	18.67
04	5303021070	V3010-2F	WS2/WS2H injector assembly F	1	18.67
04	5303021071	V3010-2G	WS2/WS2H injector assembly G	1	18.67
04	5303021072	V3010-2H	WS2/WS2H injector assembly H	1	34.65
N.S.	5303020026	V3010-2R-15B	WS2/2H Injector R modified assembly with V3010-1	1	26.23
N.S.	5303020027	V3010-2S-15C	WS2/2H Injector S modified assembly with V3010-1	1	26.23
N.S.	5303020028	V3010-2T-15D	WS2/2H Injector T modified assembly with V3010-1	1	26.23
N.S.	5303020029	V3010-2U-15E	WS2/2H Injector U modified assembly with V3010-1	1	26.23
05	5303021727	V3731	WS2 Injector Draw Tube Assy DF	1	4.32
05	5303020132	V3731-01	WS2 draw tube grey in color	1	6.74
06	5303021708	V3730	WS2 Injector Feed Tube Assy DF	1	4.02
06	5303020131	V3730-01	WS2 feed tube grey in color	1	6.56
07	5303020033	V3315	O-ring 231	1	1.57
08	5303021702	V3724	Washer Flat SS 1/4	1	0.15
09	5303020034	V3643	Bolt BHCS SS 1/4-20 x 2.25	4	0.99
10 *	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	4	1.36
11	5303021096	V3231-01	WS2 Refill Flow Control Retainer	1	2.91
12	5303021208	V3277	O-ring 211	1	0.40
13	5303022165	V3105	O-ring 215	1	0.26
14	5303025094	V3150	WS1 Split Ring	1	0.28
15	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
16	5303025093	V3149	WS1 Fitting 1" PVC Male NPT Elbow	1	1.67
N.S. **	5303020008	H4915	FTG KIT 494 BV 1/2 Polytube	Optional	3.19
N.S.	5303020035	V3499	WS2H/3 Fitting Cap 1" Threaded	Optional	2.39

WS2QC - DRIVE CAP, PISTONS & SPACER STACK



Drive bracket can be removed by squeezing (2) lock tabs & rotating counter clockwise.

Install D1300-01 upper diffuser (not shown) when using the 4" Quick Connect Base Assembly (V3064).

WS2QC - DRIVE CAP, PISTONS & SPACER STACK

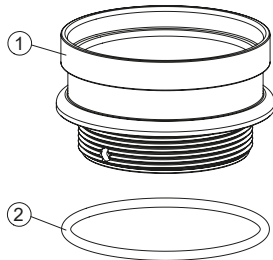
nr	Reference	Search Name	Item Name	Qty	£
01 **	5303021704	V3726	WS2 Brine Piston	1	17.10
02	5303021703	V3725	WS2 Piston Downflow	1	35.71
02	5303020129	V4059	WS2 Piston Upflow (black)	1	34.46
03	5303020013	V3452	O-ring 230	1	0.90
04	5303021706	V3728	WS2 Drive Cap Assembly	1	40.72
05	5303021702	V3724	Washer Flat SS 1/4	4	0.15
06	5303020014	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.63
07	5303025110	V3178	WS1 Drive Back Plate	1	4.83
08	5303021707	V3729	WS2 Spacer Stack Downflow	1	49.82
08	5303020130	V3729-01	WS2 Spacer Stack Upflow	1	55.54
09	5303021210	V3279	O-ring 346	1	2.39
10	5303021212	V3280	O-ring 332	1	1.34
10	5303020013	V3452	O-ring 230	1	0.90
11***	5303020018	V3737BSPT-01	WS2 QC Body BSPT	1	908.61
12*	5303021079	V3054	WS2 4" Base Clamp Assembly	1	46.57
15	5303020200	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	1	1.19
N.S.	5303021064	D1300-01	WS2 Top Baffle Diffuser 63mm	1	20.42

* V3054 WS2H 4" base clamp assy includes a V3276 WS2H bolt hex 5/16 - 18 X 1-3/4 and V3269 WS2H nut 5/16 - 18 SS hex

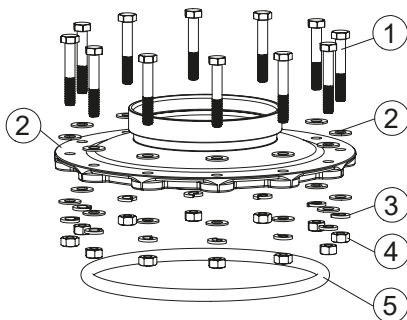
** V3726 WS2 brine piston must also be used for backwash only valves

*** BSPT threads on inlet and outlet ports on the V3737BSPT-01, NPT threads on the drain port

WS2QC - TANK ADAPTERS

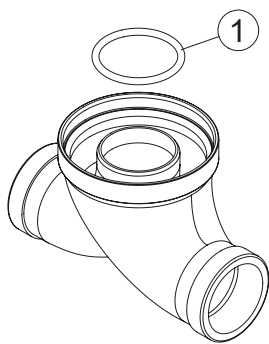


nr	Reference	Search Name	Item Name	Qty	£
4" Base assy					
01	5303028669	V3202-01	WS2 Base	1	98.04
02	5303021031	V3419	O-ring 347	1	3.19
Kit	5303028623	V3064	WS2QC/2H Top mount base - 4" TM	1	100.16



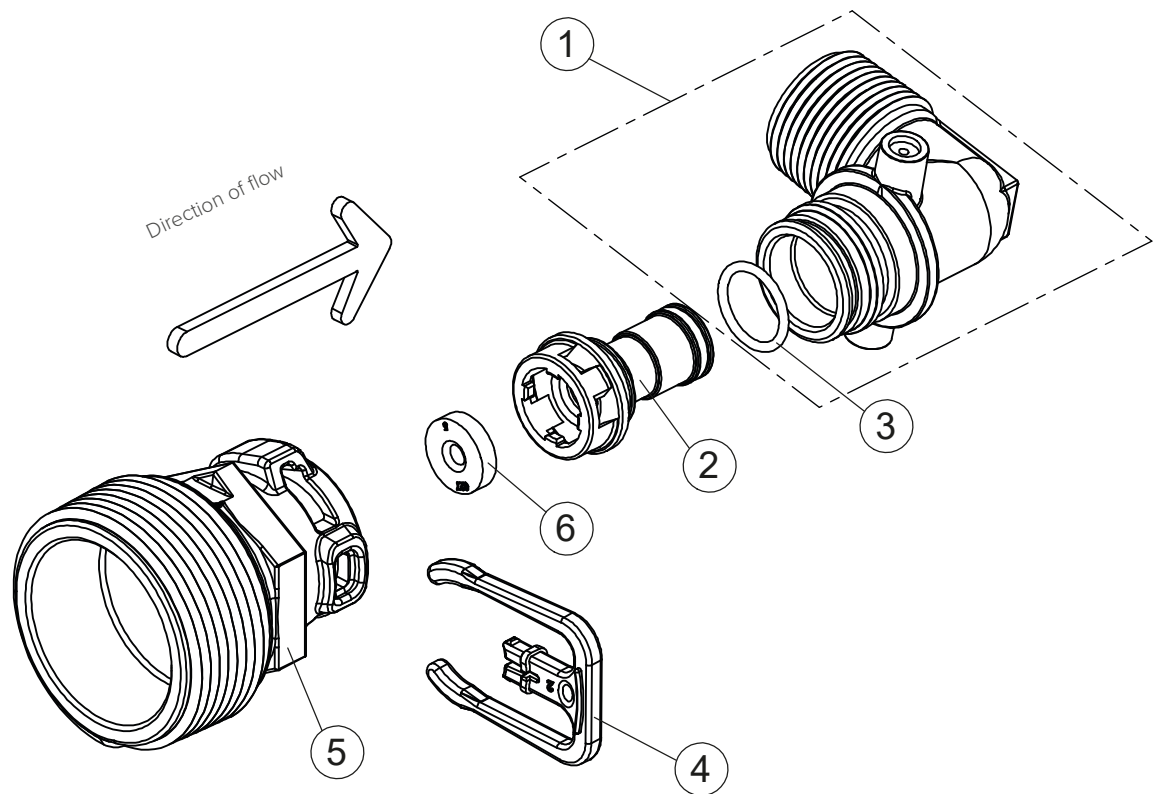
nr	Reference	Search Name	Item Name	Qty	£
Flange base assy					
01	5303020019	V3444	WS2H/2QC Screw Hex Cap 5/16 - 18 x 2 SS	12	1.27
02	5303021226	V3293	WS2 Washer SS 5/16 Flat	24	0.10
03	5303020020	V3445	WS2H/2QC Washer Split Lock 5/16 SS	12	0.18
04	5303020021	V3447	WS2H/2QC Nut Hex 5/16 - 8 Full SS	12	0.44
05	5303020022	COR60FL	O-ring 6" Flange Adapter	1	11.51
Kit	5303028617	V3055	WS2QC/2H flange base - 6" TM	1	168.78

WS2QC - TANK ADAPTERS



nr	Reference	Search Name	Item Name	Qty	£
Side mount base BSPT					
01	5303021212	V3280	O-ring 332	1	1.34
Kit	5303022264	V3260BSPT-02	WS2QC/2H side mount base - 4" SM	1	245.78

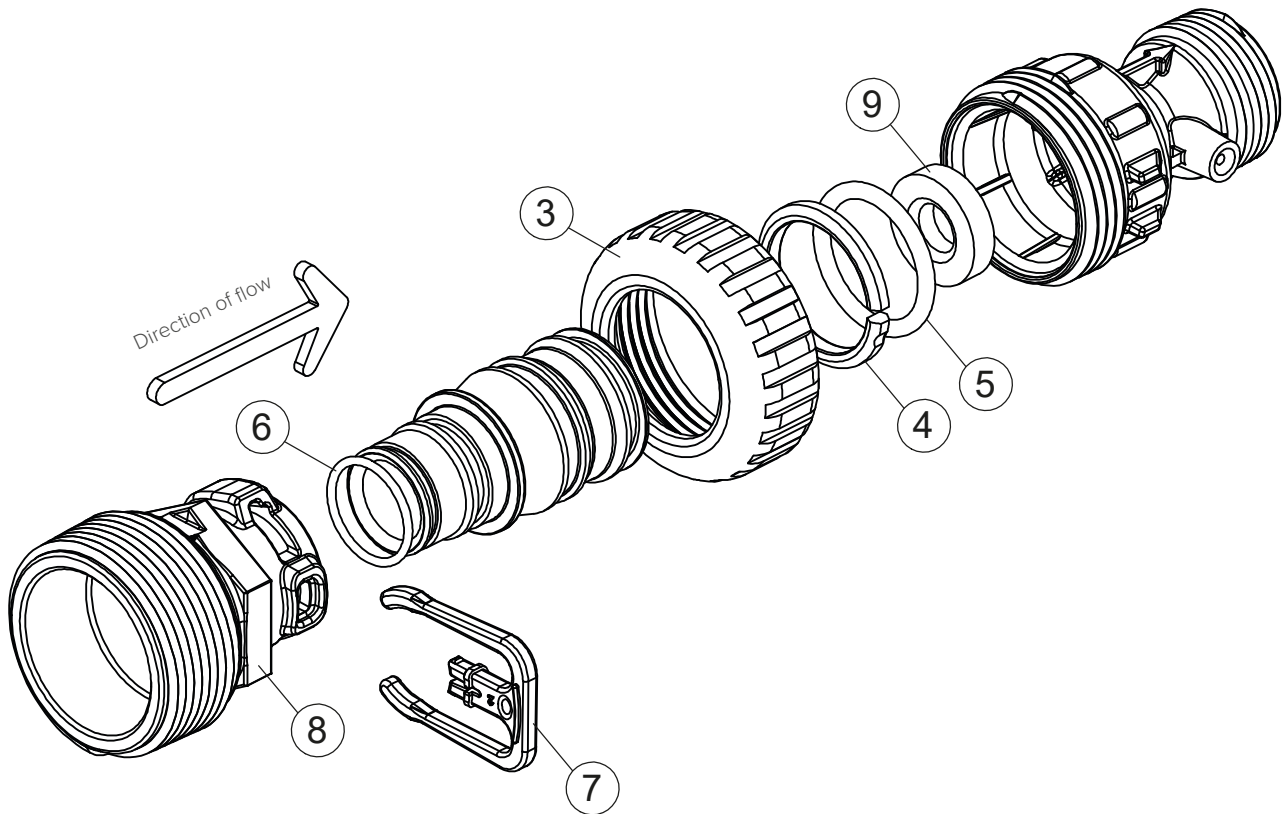
WS1.5 BRASS & WS2 - DRAIN LINE FLOW CONTROL 3/4" (0.7 - 10 GPM)



WS1.5 BRASS & WS2 - DRAIN LINE FLOW CONTROL 3/4" (0.7 - 10 GPM)

nr	Reference	Search Name	Item Name	Qty	£
01	5303028661	V3158-03	WS1 Drain Elbow 3/4" Male Asy No Silencer	1	1.14
02	5303025099	V3159-01	WS1 DLFC Retainer Asy	1	1.08
03	5303024403	V3163	O-ring 019	1	0.25
04	5303025041	H4615	Elbow Locking Clip	1	0.29
05	5303010061	V3983	WS2 DLFC Adapter	1	3.05
05	5303021026	V3414	WS1.5 DLFC Adapter	1	3.26
06	5303024091	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	1	1.36
06	5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	1	1.36
06	5303024093	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	1	1.36
06	5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	1	1.36
06	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	1	1.36
06	5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	1	1.36
06	5303024097	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	1	1.36
06	5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	1	1.34
06	5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	1	1.36
06	5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	1	1.36
06	5303024101	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	1	1.36
06	5303024102	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	1	1.36
06	5303024103	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	1	1.36
Kit	5303022420	V3158-04	WS2 Drain Elbow 3/4"	1	14.35

WS1.5 BRASS & WS2 - DRAIN LINE FLOW CONTROL 1" (9 - 25 GPM)

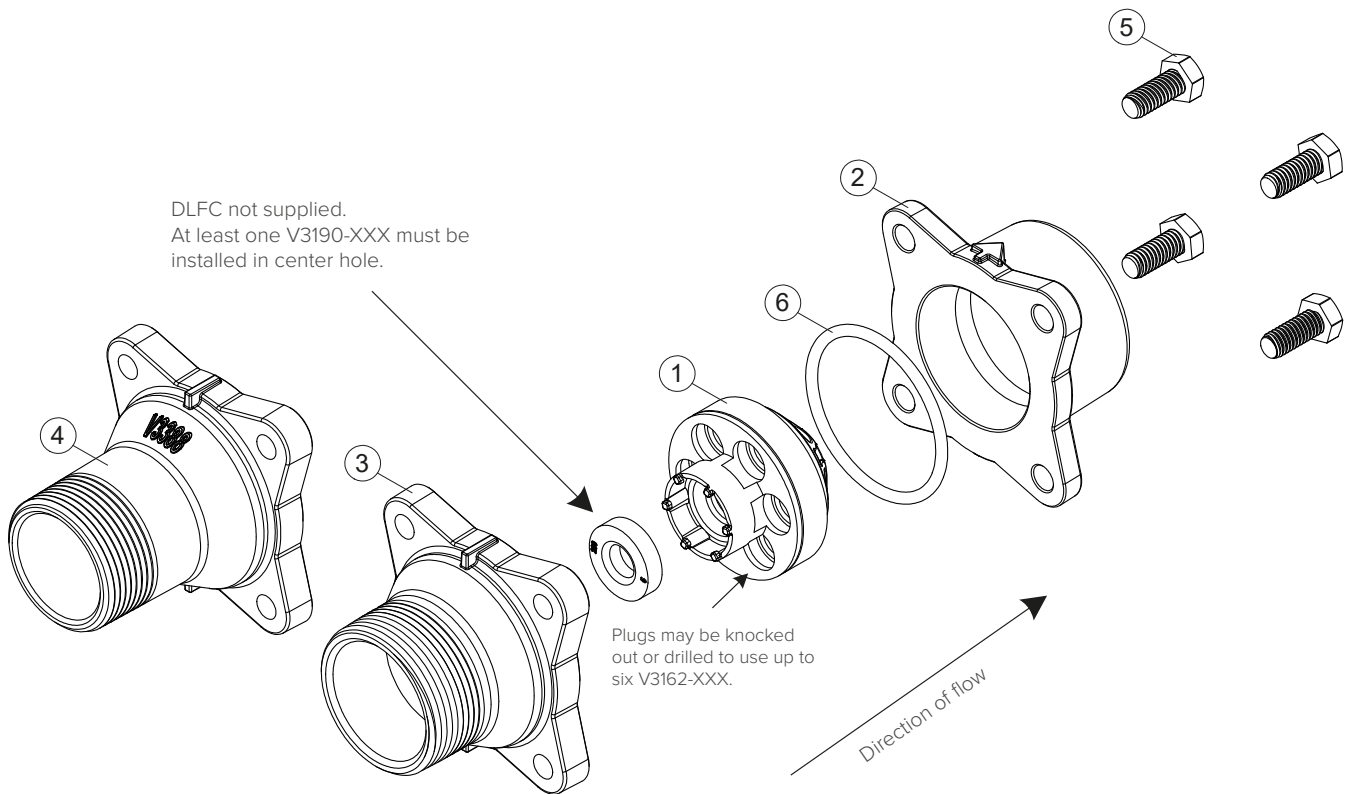


WS1.5 BRASS & WS2 - DRAIN LINE FLOW CONTROL 1" (9 - 25 GPM)

nr	Reference	Search Name	Item Name	Qty	£
03	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
04	5303025094	V3150	WS1 Split Ring	1	0.28
05	5303022165	V3105	O-ring 215	1	0.26
06	5303024403	V3163	O-ring 019	1	0.25
07	5303025041	H4615	Elbow Locking Clip	1	0.29
08	5303010061	V3983	WS2 DLFC Adapter	1	3.05
08	5303021026	V3414	WS1.5 DLFC Adapter	1	3.26
09	5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	1	3.48
09	5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	1	3.52
09	5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	1	3.52
09	5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	1	3.52
09	5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	1	3.52
09	5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	1	3.52
09	5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	1	3.52
09	5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	1	3.52
Kit*	5303024083	V3008-02	WS1 Drain Fitting 1" Straight with Check Valve	1	11.31
Kit*	5303028607	V3008-04	WS1 Drain Fitting 1" Straight without Silencer	1	10.55
Kit	5303022419	V3008-05	WS2 Drain Fitting 1" male BSP straight without silencer	1	18.74

* Items V3008-02 and V3008-04 do not contain part no. 8.

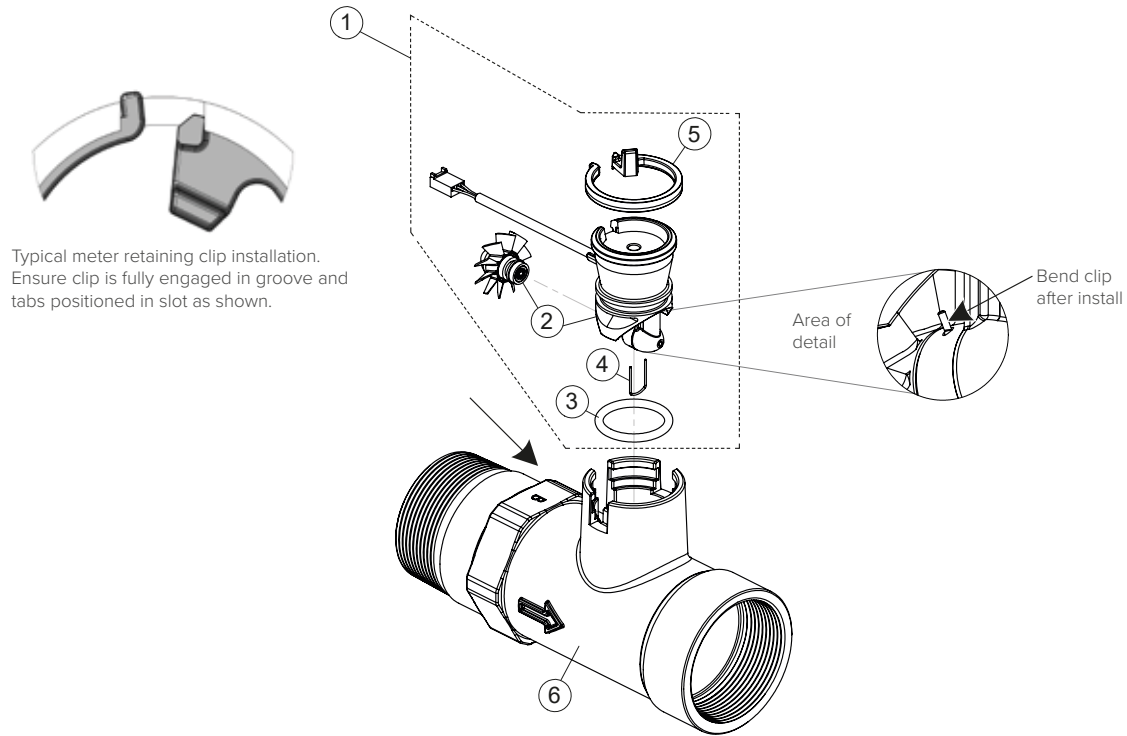
WS1.5 BRASS & WS2 - STAINLESS STEEL DRAIN LINE FLOW CONTROL (9 - 85 GPM)



WS1.5 BRASS & WS2 - STAINLESS STEEL DRAIN LINE FLOW CONTROL (9 - 85 GPM)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020038	V3081	WS1.5 Retainer DLFC Assembly	1	14.10
02	5303020040	V3645BSPT	WS1.5 DLFC Flange Outlet F BSPT	1	37.00
03	5303020041	V3646	WS1.5 DLFC Flange Inlet M NPT	1	37.55
04	5303020105	V3388	WS1.25 DLFC Flange Inlet M NPT	1	45.38
05	5303020043	V3652	Bolt Hex Head SS HCS 5/16-18 x 3/4	4	0.73
06	5303021035	V3441	O-ring 226	1	0.47
07	5303024091	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	1	1.36
07	5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	1	1.36
07	5303024093	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	1	1.36
07	5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	1	1.36
07	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	1	1.36
07	5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	1	1.36
07	5303024097	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	1	1.36
07	5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	1	1.34
07	5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	1	1.36
07	5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	1	1.36
07	5303024101	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	1	1.36
07	5303024102	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	1	1.36
07	5303024103	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	1	1.36
08	5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	1	3.48
08	5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	1	3.52
08	5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	1	3.52
08	5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	1	3.52
08	5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	1	3.52
08	5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	1	3.52
08	5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	1	3.52
08	5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	1	3.52

WS1.5 BRASS & WS2 - WATER METER



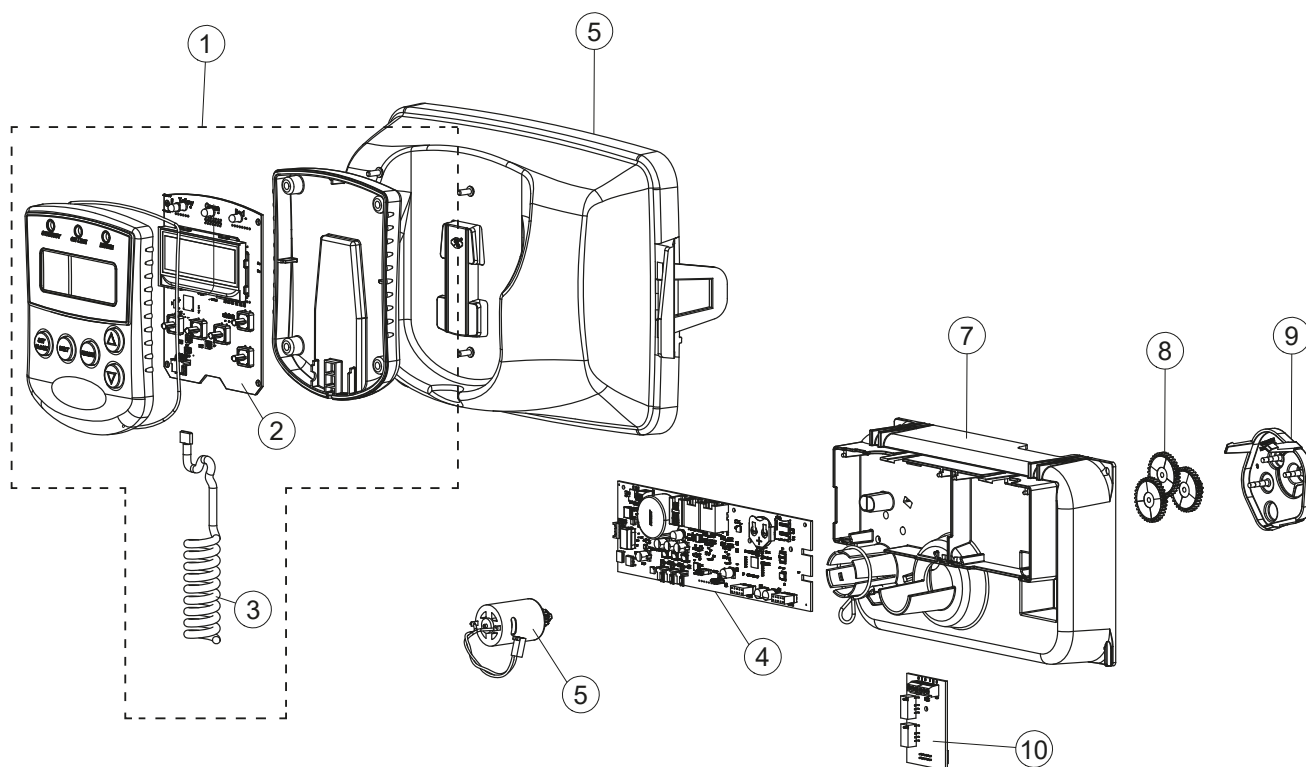
nr	Reference	Search Name	Item Name	Qty	£
01	5303028147	V3003-06	WS1.5/2/2H/3 Commercial Meter Assy 28" cable	1	63.43
01	5303021091	V3221	WS1.5/2/2H/3 Commercial Meter Assy 15' cable	1	73.89
02	5303020010	V3118-03	WS1.5/2 Turbine Assembly	1	15.44
03	5303022165	V3105	O-ring 215	1	0.26
04	5303020011	V3501	WS1.5/2 Turbine Clip	1	1.16
05	5303020006	V3632	WS1.5/2/3 Meter Retaining Clip	1	2.72
06	5303020024	V3754BSPT-01	WS2 Meter Housing Male x Female BSPT	1	279.47
N.S.	5303021034	V3437	WS1.5 Flow Straightener	1	2.09
N.S.	5303020025	V3488	WS2 Flow Straightener	1	14.25
Kit	5303028611	V3040BSPT	WS1.5 Meter Asy BSPT	1	331.95
Kit	5303021165	V3040BSPT-15	WS1.5 Meter Asy BSPT - 4.5m cable	1	350.06
Kit	5303020085	V3094BSPT	WS2 Meter Asy BSPT (male x female)	1	339.79
Kit	5303020086	V3094BSPT-15	WS2 Meter Asy BSPT (male x female) - 4.5m cable	1	330.40



CLACK WS2H & WS3 VALVE

WS2H & WS3 - Front cover & drive assembly	60
WS2H - Drive cap, piston, spacer stack, back plate, body	62
WS2H - Tank adapters	64
WS3 - Drive cap, pistons, spacer stack, back plate, body, meter	66
WS3 - Tank adapters	68
WS3 - Meter assembly	69
WS2H & WS3 - Brine valve & injector	70
WS2H - Stainless steel drain line flow control (0.7 - 150 GPM)	72
WS3 - Stainless steel drain line flow control (9 - 225 GPM)	74

WS2H & WS3 - FRONT COVER & DRIVE ASSEMBLY



WS2H & WS3 - FRONT COVER & DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01*	5303020346	V3082-01	WS2H/3 Graphics POD Asy with board	Optional	287.37
02	5303020343	V3241-02BOARD	WS2H/3 Graphics POD replacement board	1	154.12
03	5303020344	V3248-01	WS2H/3 Graphics POD Cable	1	9.46
04	5303020402	V3242-03BOARD	WS2H/3 Valve with Modbus Replacement PCB	1	332.98
05	5303021092	V3224-01R	WS2 Front Cover Assembly Platinum	1	29.95
06	5303025068	V3107-01	Motor 12V	1	9.84
07	5303021094	V3226-01	WS2 Drive Bracket Assembly	1	13.46
08	5303025074	V3110	Drive Gear 12x36	3	0.99
09	5303025073	V3109	Drive Gear Cover	1	1.69
10	5303020342	V4427	WS2H/3 PCB Relay Expansion Kit	Optional	63.91
N.S.	5303020351	V3461EU-02	WS2H/3 24VDC 0.8A EU Power Supply	1	22.23
N.S.	5303020352	V3461UK-02	WS2H/3 24VDC 0.8A UK Power Supply	1	33.43

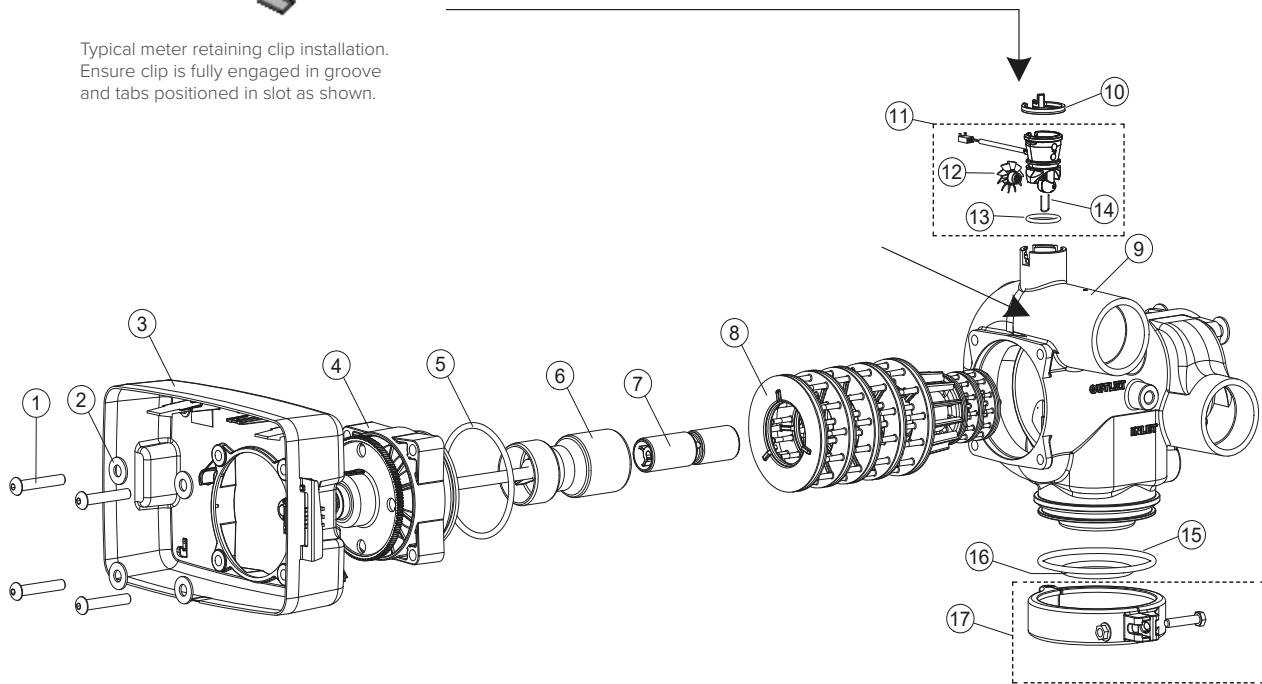
* Contains items 1,2 & 3 Pod Assembly, PC Board and Cable

note This exploded view is only for valves sold after 2020. For older valves, please ask us for the correct exploded view.

WS2H - DRIVE CAP, PISTONS, SPACER STACK, BACK PLATE, BODY



Typical meter retaining clip installation.
Ensure clip is fully engaged in groove
and tabs positioned in slot as shown.



Install D1300-01 upper diffuser (not shown) when using the 4" Quick Disconnect (V3064)

WS2H - DRIVE CAP, PISTONS, SPACER STACK, BACK PLATE, BODY

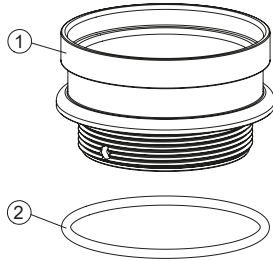
nr	Reference	Search Name	Item Name	Qty	£
01	5303021206	V3275	WS2 Screw BSHD SS 3/8 - 16 x 2 1/4	4	2.34
02	5303021223	V3291	WS2 Washer SS 3/8	4	0.17
03	5303021093	V3225	WS2 Back Plate	1	21.54
04	5303021084	V3066	WS2 Drive Assembly	1	158.02
05	5303021221	V3289	O-ring 344	1	2.45
06	5303021089	V3204-01	WS2H Piston	1	60.77
07***	5303021095	V3238-01	WS2H/3 Brine Piston	1	44.99
08	5303021083	V3065	WS2H Spacer Stack Assembly	1	102.60
09	5303020060	V3201-03	WS2H Body with V3468 Plug	1	1,277.24
10*	5303020006	V3632	WS1.5/2/3 Meter Retaining Clip	1	2.72
11	5303028147	V3003-06	WS1.5/2/2H/3 Commercial Meter Assy 28" cable	1	63.43
12	5303020010	V3118-03	WS1.5/2 Turbine Assembly	1	15.44
13	5303022165	V3105	O-ring 215	1	0.26
14	5303020011	V3501	WS1.5/2 Turbine Clip	1	1.16
15	5303021210	V3279	O-ring 346	1	2.39
16	5303021212	V3280	O-ring 332	1	1.34
16	5303020013	V3452	O-ring 230	1	0.90
17**	5303021079	V3054	WS2 4" Base Clamp Assembly	1	46.57
N.S.	5303020200	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	2	1,19
N.S.	5303021064	D1300-01	WS2 Top Baffle Diffuser 63mm	1	20.42

* In 2008 a modification was made to Meter Housings to use V3632 WS1.5/2/3 Meter Retaining Clip. Do not use V3632 on old style housings which have holes through the castings to accept the U-shaped V3223 WS2 Meter Clip.

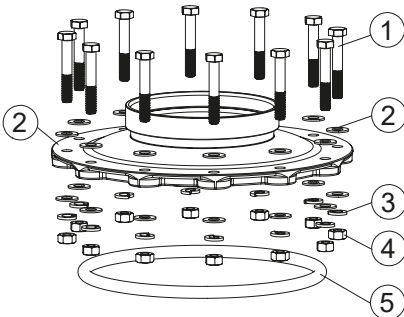
** V3054 WS2 4" Base clamp assy includes a V3276 WS2 bolt hex SS 5/16-18X1-3/4 and V3269 WS2 Nut 5/16-18 SS Hex

*** V3238-01 Brine Piston is used for Backwash Only valves

WS2H - TANK ADAPTERS

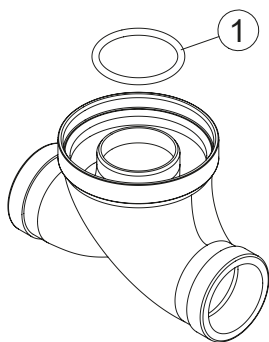


nr	Reference	Search Name	Item Name	Qty	£
4" Base assy					
01	5303028669	V3202-01	WS2 Base	1	98.04
02	5303021031	V3419	O-ring 347	1	3.19
Kit	5303028623	V3064	WS2QC/2H Top mount base - 4" TM	1	100.16



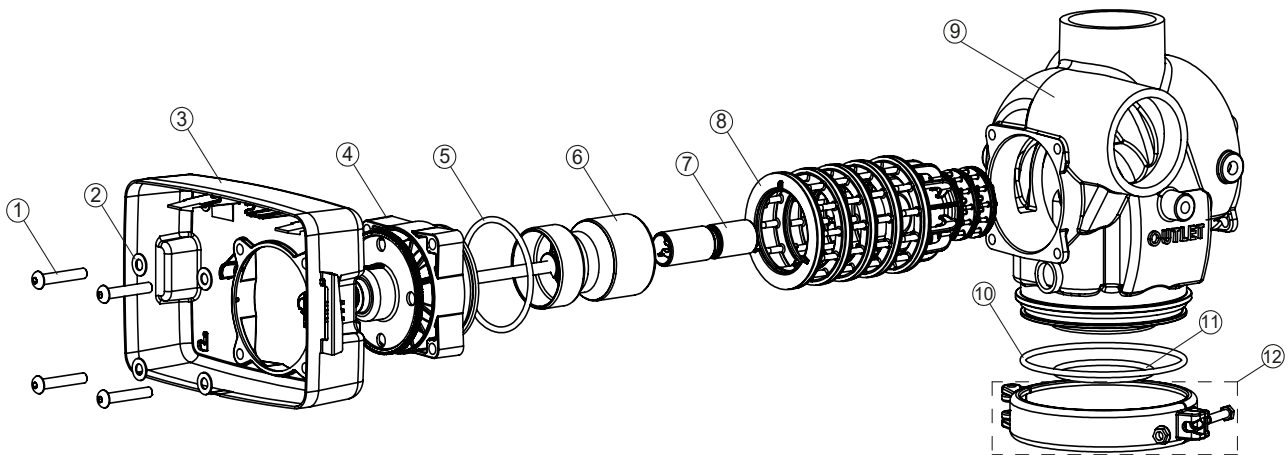
nr	Reference	Search Name	Item Name	Qty	£
Flange base assy					
01	5303020019	V3444	WS2H/2QC Screw Hex Cap 5/16 - 18 x 2 SS	12	1.27
02	5303021226	V3293	WS2 Washer SS 5/16 Flat	24	0.10
03	5303020020	V3445	WS2H/2QC Washer Split Lock 5/16 SS	12	0.18
04	5303020021	V3447	WS2H/2QC Nut Hex 5/16 - 8 Full SS	12	0.44
05	5303020022	COR60FL	O-ring 6" Flange Adapter	1	11.51
Kit	5303028617	V3055	WS2QC/2H flange base - 6" TM	1	168.78

WS2H - TANK ADAPTERS



nr	Reference	Search Name	Item Name	Qty	£
Side mount base BSPT					
01	5303021212	V3280	O-ring 332	1	1.34
Kit	5303022264	V3260BSPT-02	WS2QC/2H side mount base - 4" SM	1	245.78
Kit	5303021700	V3674BSPT-02	WS3 Side Mount Base BSPT	1	354.31

WS3 - DRIVE CAP, PISTONS, SPACER STACK, BACK PLATE, BODY, METER



Install V3672 upper diffuser (not shown) when using the 6" Flange Base (V3090)

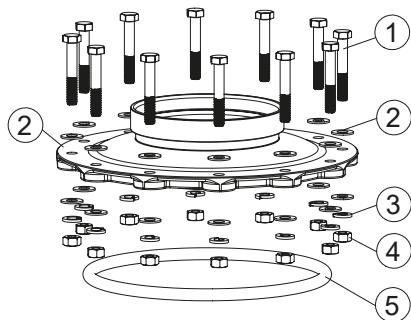
WS3 - DRIVE CAP, PISTONS, SPACER STACK, BACK PLATE, BODY, METER

nr	Reference	Search Name	Item Name	Qty	£
01	5303021206	V3275	WS2 Screw BSHD SS 3/8 - 16 x 2 1/4	4	2.34
02	5303021223	V3291	Washer	4	0.17
03	5303021093	V3225	WS2 Back Plate	1	21.54
04	5303020061	V3093	WS3 Drive Assembly	1	129.74
05	5303021221	V3289	O-ring 344	1	2.45
06	5303020062	V3666-01	WS3 Piston Downflow	1	87.82
07**	5303021095	V3238-01	WS2H/3 Brine Piston	1	44.99
08	5303020063	V3092	WS3 Spacer Stack	1	107.55
09	5303020064	V3667-03	WS3 Body with V3468 Plug	1	1,216.63
09	5303020065	V3667BSPT-03	WS3 Body with V3465 Plug	1	1,304.84
10	5303020066	V3763	O-ring 361 (WS3 Body)	1	3.93
11	5303020067	V3762	O-ring 341 (for valve bodies with NPT or BSPT Threads)	1	2.11
12*	5303020068	V3091	WS3 Base Clamp Assembly	1	70.38
N.S.	5303020200	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	2	1.19
N.S.	5303020069	V3672	WS3 Top Baffle Diffuser 3"/90mm	1	13.89

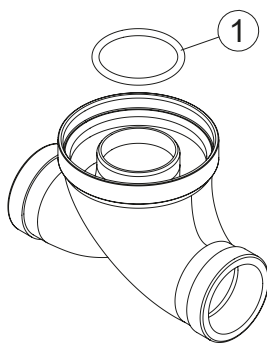
* V3091 WS3 base clamp assy includes a V3276 WS2H/3 Bolt hex SS 5/16-18X1-3/4 and V3269 WS2H/3 nut 5/16-18 SS hex.

** V3238-01 Brine Piston is used for Backwash Only valves.

WS3 - TANK ADAPTERS

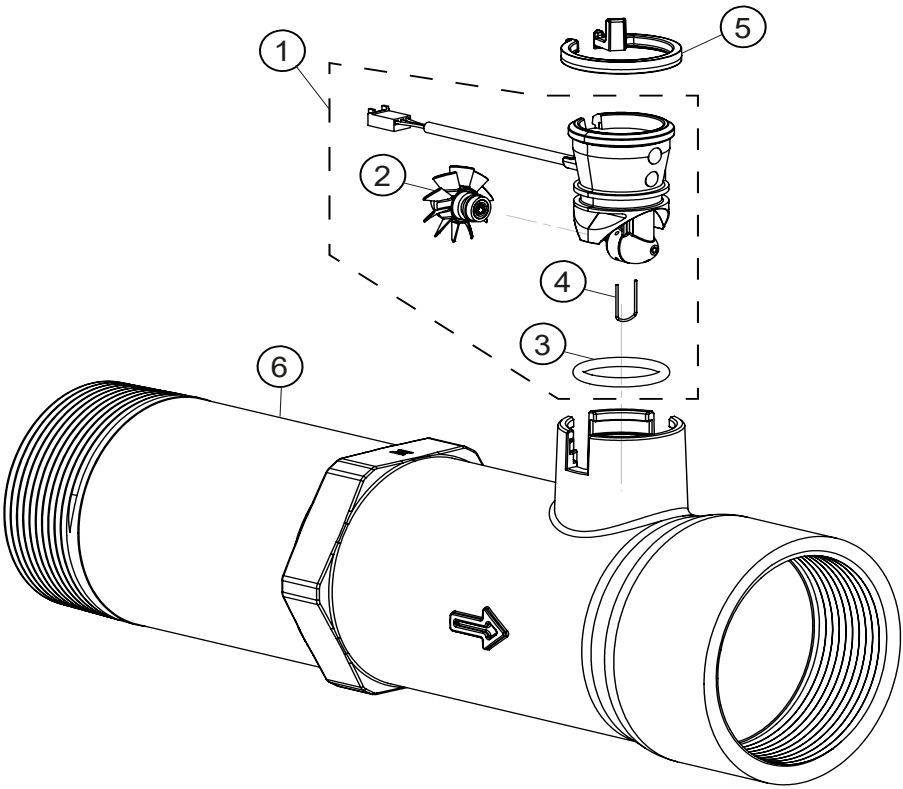


nr	Reference	Search Name	Item Name	Qty	£
Flange base assy					
01	5303020019	V3444	WS2H/2QC Screw Hex Cap 5/16 - 18 x 2 SS	12	1.27
02	5303021226	V3293	WS2 Washer SS 5/16 Flat	24	0.10
03	5303020020	V3445	WS2H/2QC Washer Split Lock 5/16 SS	12	0.18
04	5303020021	V3447	WS2H/2QC Nut Hex 5/16 - 8 Full SS	12	0.44
05	5303020022	COR60FL	O-ring 6" Flange Adapter	1	11.51
Kit	5303021699	V3090	WS3 6" Flange Base Assy	1	184.36



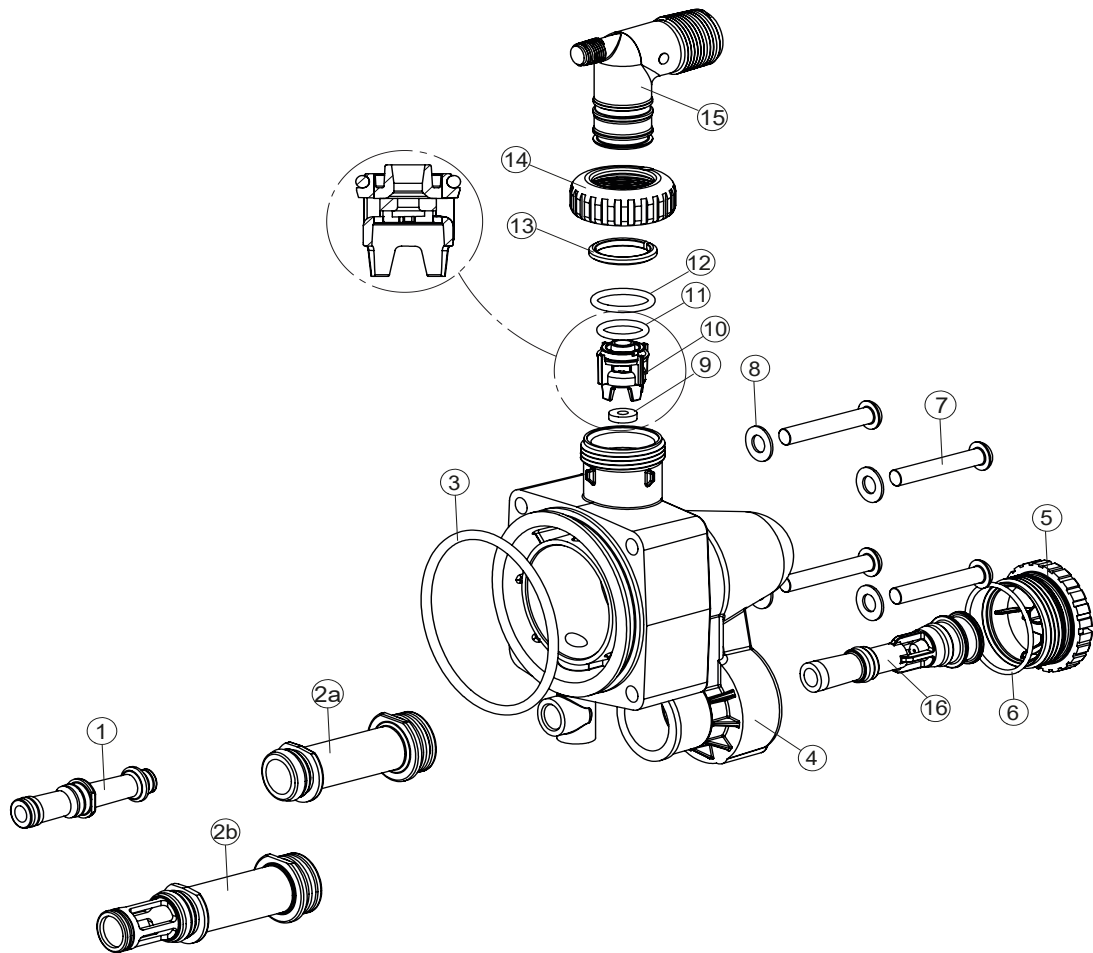
nr	Reference	Search Name	Item Name	Qty	£
Side mount base BSPT					
01	5303021212	V3280	O-ring 332	1	1.34
Kit	5303021700	V3674BSPT-02	WS3 Side Mount Base BSPT	1	354.31

WS3 - METER ASSEMBLY



nr	Reference	Search Name	Item Name	Qty	£
01	5303021091	V3221	WS1.5/2H/3 Commercial Meter Assy 15' cable	1	73.89
02	5303020010	V3118-03	WS1.5/2 Turbine Assembly	1	15.44
03	5303022165	V3105	O-ring 215	1	0.26
04	5303020011	V3501	WS1.5/2 Turbine Clip	1	1.16
05	5303020006	V3632	WS1.5/2/3 Meter Retaining Clip	1	2.72
06	5303020071	V3844BSPT-01	WS3 Meter Housing BSPT	1	887.01
Kit	5303021838	V3095BSPT-15	WS3 Meter BSPT assembly	1	956.55

WS2H & WS3 - BRINE VALVE & INJECTOR



WS2H & WS3 - BRINE VALVE & INJECTOR

nr	Reference	Search Name	Item Name	Qty	£
01	5303020074	V3237-01	WS2H/3 Soft Water Fill Tube Assembly	1	4.32
02 A ¹	5303020107	V3236-04	WS2H Inject Tube Asy A Thru H	1	4.51
02 B ²	5303020075	V3670-01	WS3 Injector Tube Downflow Assembly	1	7.90
03	5303021221	V3289	O-ring 344	1	2.45
04	5303021085	V3067	WS2 Brine Body Assembly	1	36.30
05	5303021233	V3477	WS2 Injector Cap	1	3.28
06	5303029462	V3152	O-ring 135	1	0.63
07	5303021206	V3275	WS2 Screw BSHD SS 3/8 - 16 x 2 1/4	4	2.34
08	5303021223	V3291	Washer	4	0.17
09 ³	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	1	1.36
10	5303021096	V3231-01	WS2 Refill Flow Control Retainer	1	2.91
11	5303021208	V3277	O-ring 211	1	0.40
12	5303022165	V3105	O-ring 215	1	0.26
13	5303025094	V3150	WS1 Split Ring	1	0.28
14	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
15	5303025093	V3149	WS1 Fitting 1" PVC Male NPT Elbow	1	1.67
N.S. ⁴	5303020035	V3499	WS2H/3 Fitting Cap 1" Threaded	1	2.39
N.S.	5303021065	V3010-2A	WS2/WS2H injector assembly A	1	18.67
N.S.	5303021066	V3010-2B	WS2/WS2H injector assembly B	1	18.67
N.S.	5303021067	V3010-2C	WS2/WS2H injector assembly C	1	18.67
N.S.	5303021068	V3010-2D	WS2/WS2H injector assembly D	1	18.67
N.S.	5303021069	V3010-2E	WS2/WS2H injector assembly E	4	18.67
N.S.	5303021070	V3010-2F	WS2/WS2H injector assembly F	4	18.67
N.S.	5303021071	V3010-2G	WS2/WS2H injector assembly G	1	18.67
N.S.	5303021072	V3010-2H	WS2/WS2H injector assembly H	1	34.65

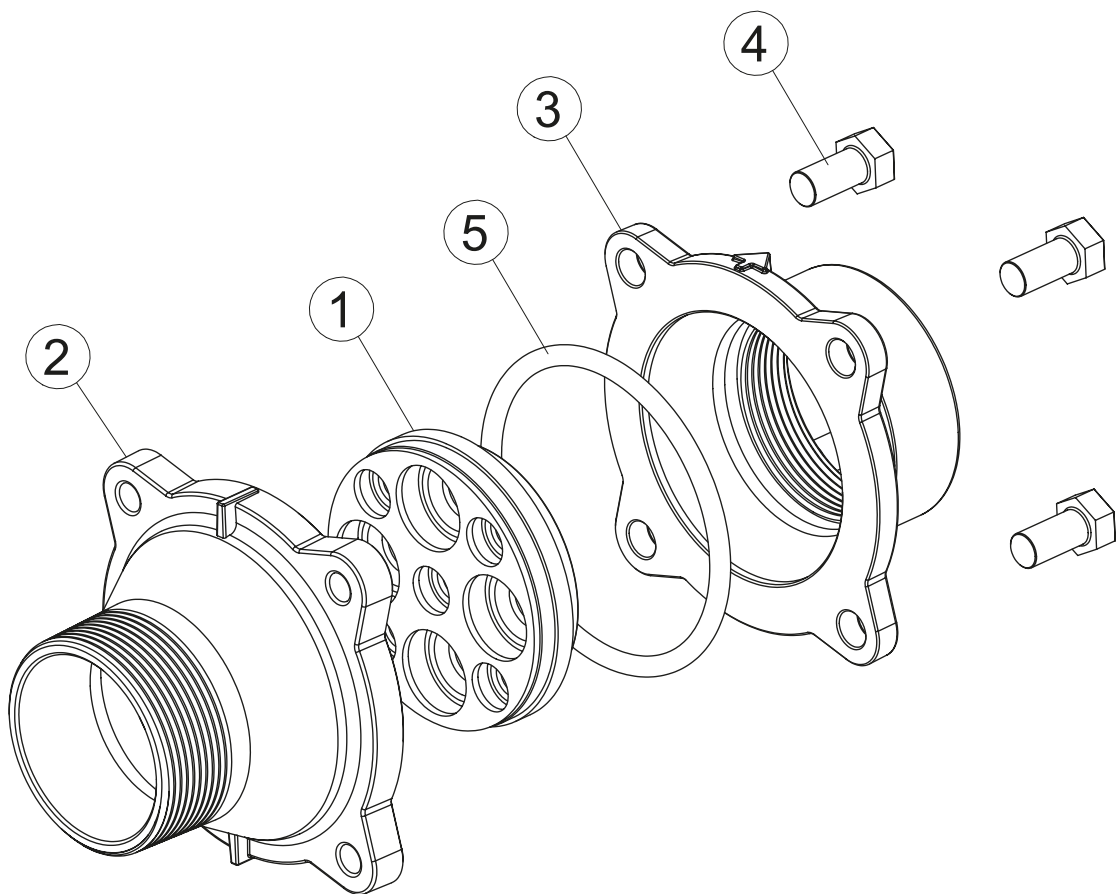
1 V3236-04 WS2H Injector tube assy A thru H contains a V3285 O-ring 213 and a V3286 O-ring 216.

2 V3670-01 WS3 Injector tube downflow assy contains a V3285 O-ring 213, V3286 O-ring 216 and a V3163 O-ring 019.

3 Any V3162-XXX flow control may be used. V3237-01 WS2H soffill tube assy contains a V3155 O-ring 112, V3287 O-ring 110 and a V3288 O-ring 206.

4 V3010-2A through V3010-2G injectors contain a V3283 O-ring 117 and a V3284 O-ring 114. V3010-2H injectors use a V3283 O-ring 117 and D1263 O-ring 116. Backwash Only Valves include a V3499 but do not include the following parts: V3189, V3162-022, V3231 and V3277.

WS2H - STAINLESS STEEL DRAIN LINE FLOW CONTROL (0.7 - 150 GPM)

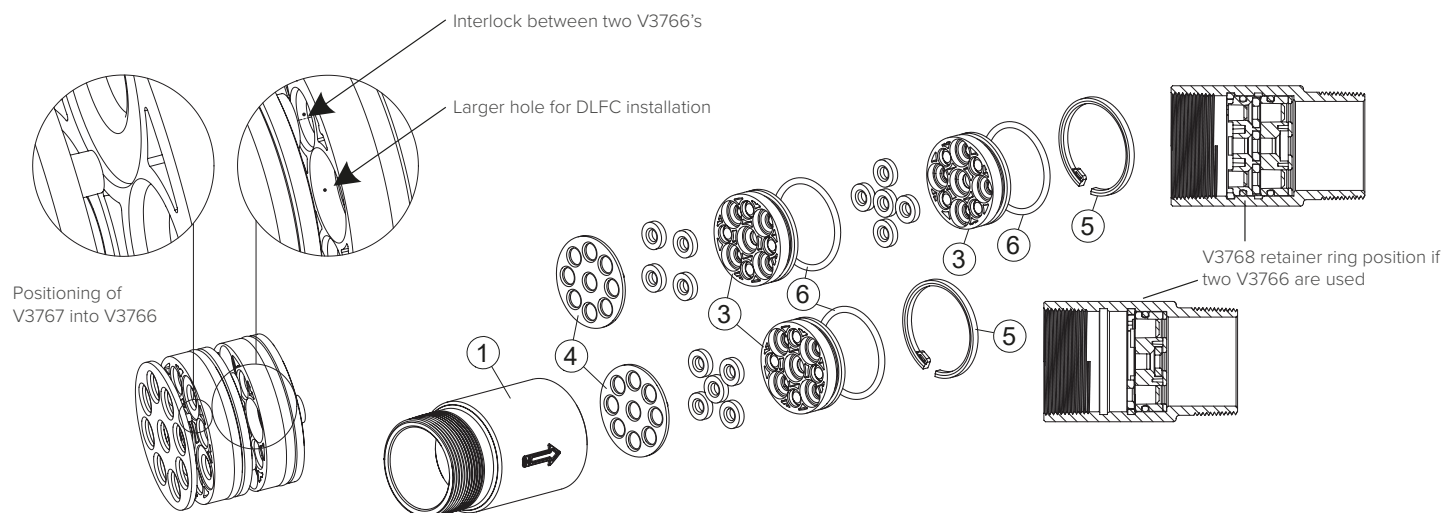


WS2H - STAINLESS STEEL DRAIN LINE FLOW CONTROL (0.7 - 150 GPM)

nr	Reference	Search Name	Item Name	Qty	£
01	5303021078	V3052	WS2 DLFC Retainer Assembly	1	39.85
04	5303021203	V3273	Bolt Hex Head SS HCS 3/8 - 16 x 3/4	4	0.84
05	5303021209	V3278	O-ring 338	1	1.77
N.S.	5303024091	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	0-5	1.36
N.S.	5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	0-5	1.36
N.S.	5303024093	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	0-5	1.36
N.S.	5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	0-5	1.36
N.S.	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	0-5	1.36
N.S.	5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	0-5	1.36
N.S.	5303024097	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	0-5	1.36
N.S.	5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	0-5	1.34
N.S.	5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	0-5	1.36
N.S.	5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	0-5	1.36
N.S.	5303024101	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	0-5	1.36
N.S.	5303024102	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	0-5	1.36
N.S.	5303024103	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	0-5	1.36
N.S.	5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	0-4	3.48
N.S.	5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	0-4	3.52
N.S.	5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	0-4	3.52
N.S.	5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	0-4	3.52
N.S.	5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	0-4	3.52
N.S.	5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	0-4	3.52
N.S.	5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	0-4	3.52
N.S.	5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	0-4	3.52
Kit*	5303028615	V3051BSPT	WS2 DLFC asy BSPT (No DLFC Buttons)	1	154.65

* Contains number 1 through 5.

WS3 - STAINLESS STEEL DRAIN LINE FLOW CONTROL (9 - 225 GPM)



Assemblies are shipped without drain line flow control (DLFC) washers.

WS3 - STAINLESS STEEL DRAIN LINE FLOW CONTROL (9 - 225 GPM)

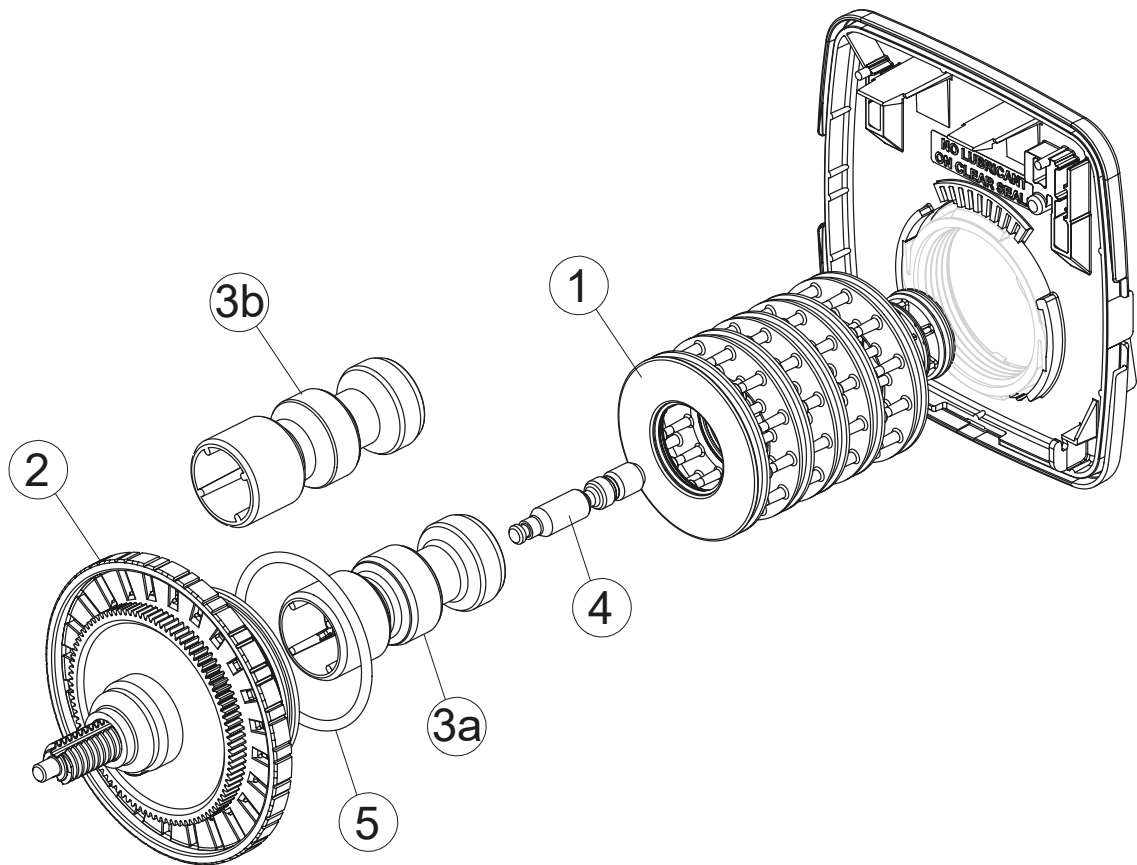
nr	Reference	Search Name	Item Name	Qty	£
02	5303020336	V3766	WS3 DLFC Retainer	1	36.88
03	5303020391	V3767	WS3 DLFC Retainer Cover	1	14.35
04	5303020392	V3768	WS3 DLFC Retainer Ring	1	14.35
05	5303020337	V3769	O-ring 336	1-2	1.48
06	5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	1-9	3.48
06	5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	1-9	3.52
06	5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	1-9	3.52
06	5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	1-9	3.52
06	5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	1-9	3.52
06	5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	1-9	3.52
06	5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	1-9	3.52
06	5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	1-9	3.52
Kit*	5303021837	V3764BSPT	WS3 DLFC asy BSPT (No DLFC Buttons) MxF	1	260.57

* Contains number 1 through 5.

CLACK WS1 TWIN

WS1 Twin - Drive cap, pistons & spacer stack	78
WS1 Twin - Body	80
WS1 Twin - Injector	82
WS1 Twin - Refill flow control	84
WS1 Twin - Drain line flow control 3/4"	86
WS1 Twin - Drain line flow control 1"	88
WS1 Twin - Water meter	90
WS1 Twin - Interconnect fittings up to 10" tanks	91
WS1 Twin - Interconnect fittings for 12" to 21 tanks	92

WS1 TWIN - DRIVE CAP, PISTONS & SPACER STACK

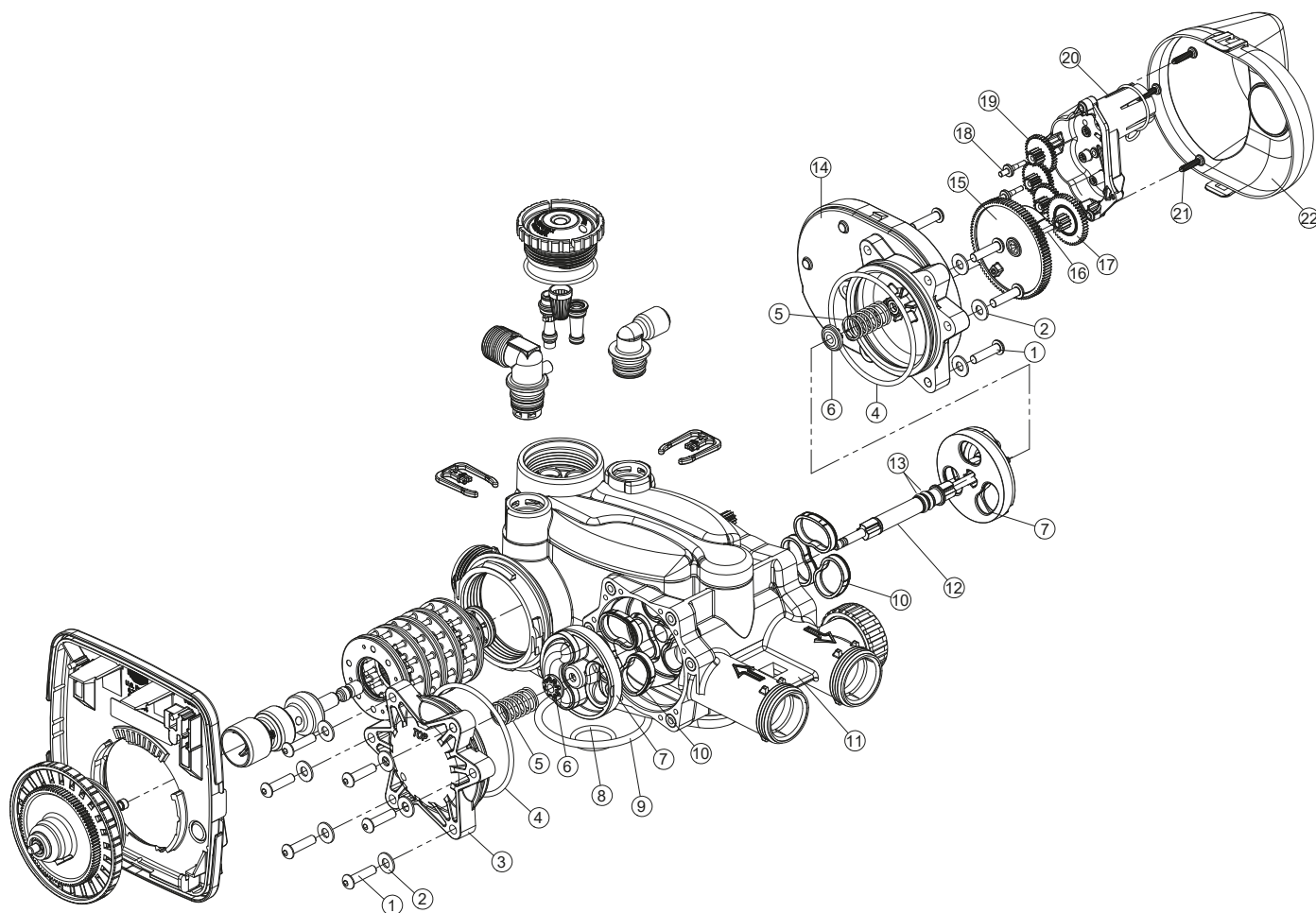


WS1 TWIN - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	5303020199	V3005-02	WS1 Spacer Stack	1	28.03
02	5303025053	V3004	Drive Cap Assy	1	18.26
03 A*	5303025064	V3011	WS1 Piston Downflow	1	8.72
03 B*	5303025065	V3011-01	WS1 Piston Upflow	1	17.53
04	5303025104	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.48
05	5303023290	V3135	O-ring 228	1	0.87

*	V3011 is labeled with DN and V3011-01 is labeled with UP
Note	The regenerant piston is not used in backwash only applications.

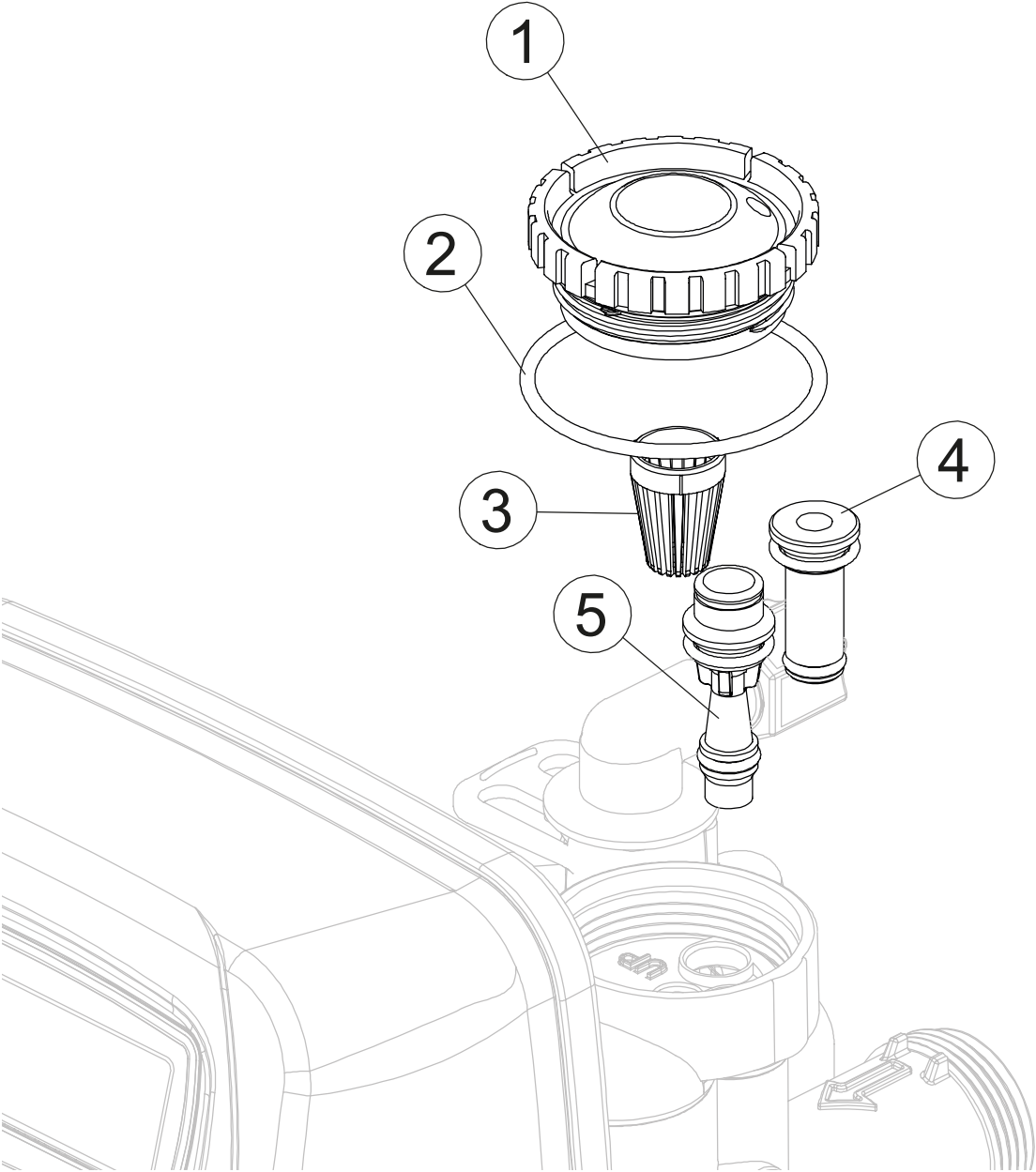
WS1 TWIN - BODY



WS1 TWIN - BODY

nr	Reference	Search Name	Item Name	Qty	£
01	5303020153	V3470	Screw BHC 1/4-20 X 1 SS	12	0.47
02	5303021702	V3724	Washer Flat SS 1/4	12	0.15
03	5303020154	V4005-01	T1 Transfer cap asy	1	6.03
04	5303020155	V4029	O-ring 236	2	1.20
05	5303020156	V4015	T1 Transfer spring	2	1.67
06	5303020157	V4014	T1 Transfer spring support	2	0.47
07	5303020158	V4036	T1 Rotor disk asy	2	16.68
08	5303022165	V3105	O-ring 215	1	0.26
09	5303023291	V3180	O-ring 337	1	1.42
10	5303020143	V4016	T1 transfer seal for Clack Twin	6	3.30
11	5303020207	V3031	T1 Body Shaft Water Regen	1	89.42
12	5303020159	V4023	T1 Transfer drive shaft asy	1	19.72
13	5303021219	V3287	O-ring 110	2	0.28
14	5303020162	V4006-01	T1 Transfer drive cap asy	1	11.33
15	5303020163	V4011-01	T1 Transfer drive gear asy	1	3.21
16	5303020164	V4012	T1 Transfer drive gear axle	1	9.27
17	5303020165	V4013	T1 Transfer reduction gear	1	1.71
18	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
19	5303025074	V3110	Drive Gear 12x36	3	0.99
20	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
21	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
22	5303020161	V4049	T1 Cover assembly	1	10.47
N.S.	5303020205	V4043	T1 transfer motor assy	1	14.59
N.S.	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
N.S.	5303020295	V4055	Twin Tank Meter Assy	1	51.78
N.S.	5303020174	V4017-01	TT Interconnect fitting asy	1	10.73
N.S.	5302034077	D1400	Clack In/Out head	1	22.24

WS1 TWIN - INJECTOR



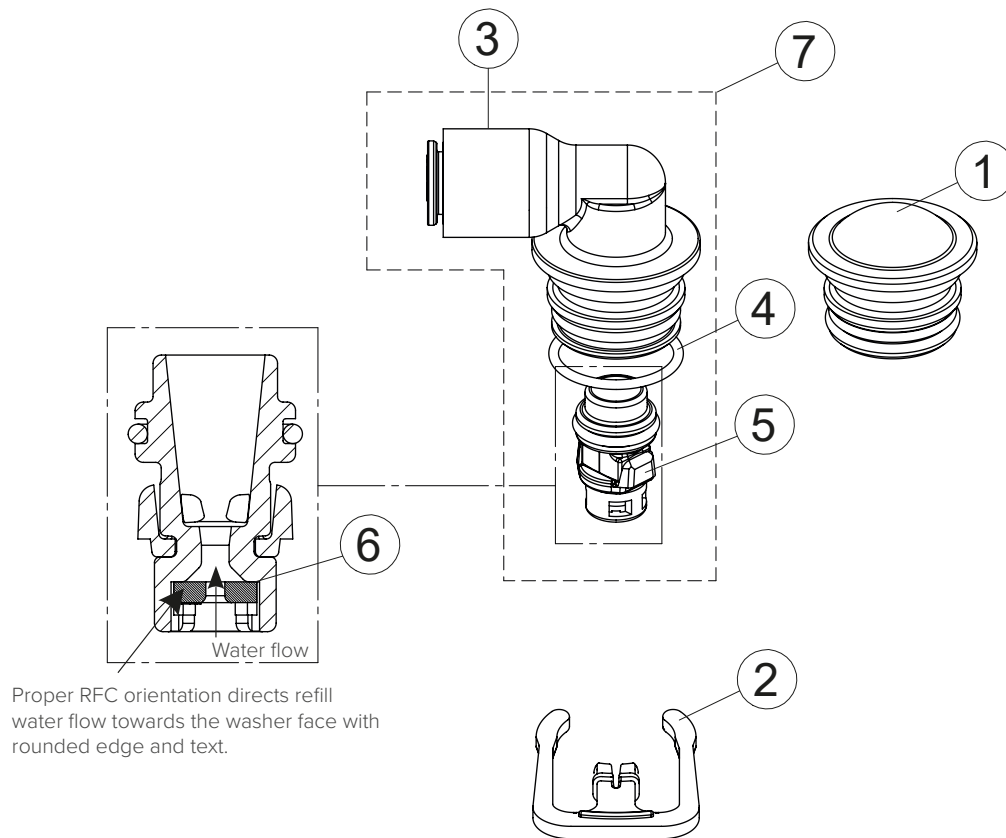
WS1 TWIN - INJECTOR

nr	Reference	Search Name	Item Name	Qty	£
01	5303025108	V3176	WS1 Injector Cap	1	1.44
02	5303029462	V3152	O-ring 135	1	0.63
03	5303020188	V3177-01	WS1 injector screen	1	1.27
04	5303024122	V3010-1Z	Injector plug	1	2.97
05	5303024111	V3010-1A	WS1 injector assembly A Black	1	2.97
05	5303024112	V3010-1B	WS1 injector assembly B Brown	1	2.97
05	5303024113	V3010-1C	WS1 injector assembly C Violet	1	2.97
05	5303024114	V3010-1D	WS1 injector assembly D Red	1	2.97
05	5303024115	V3010-1E	WS1 injector assembly E White	1	2.97
05	5303024116	V3010-1F	WS1 injector assembly F Blue	1	2.97
05	5303024117	V3010-1G	WS1 injector assembly G Yellow	1	2.97
05	5303024118	V3010-1H	WS1 injector assembly H Green	1	2.97
05	5303024119	V3010-1I	WS1 injector assembly I Orange	1	2.97
05	5303024120	V3010-1J	WS1 injector assembly J Light blue	1	2.97
05	5303024121	V3010-1K	WS1 injector assembly K Light Green	1	2.97
N.S.	5303028665	V3170	O-ring 011	*	0.28
N.S.	5303028666	V3171	O-ring 013	*	0.94

* The injector plug and the injector each contain one 011 (lower) and 013 (upper) o-ring.

Note For upflow position, injector is located in the up hole and injector plug is in the other hole.
For a filter that only backwashes, injector plugs are located in both holes.

WS1 TWIN - REFILL FLOW CONTROL



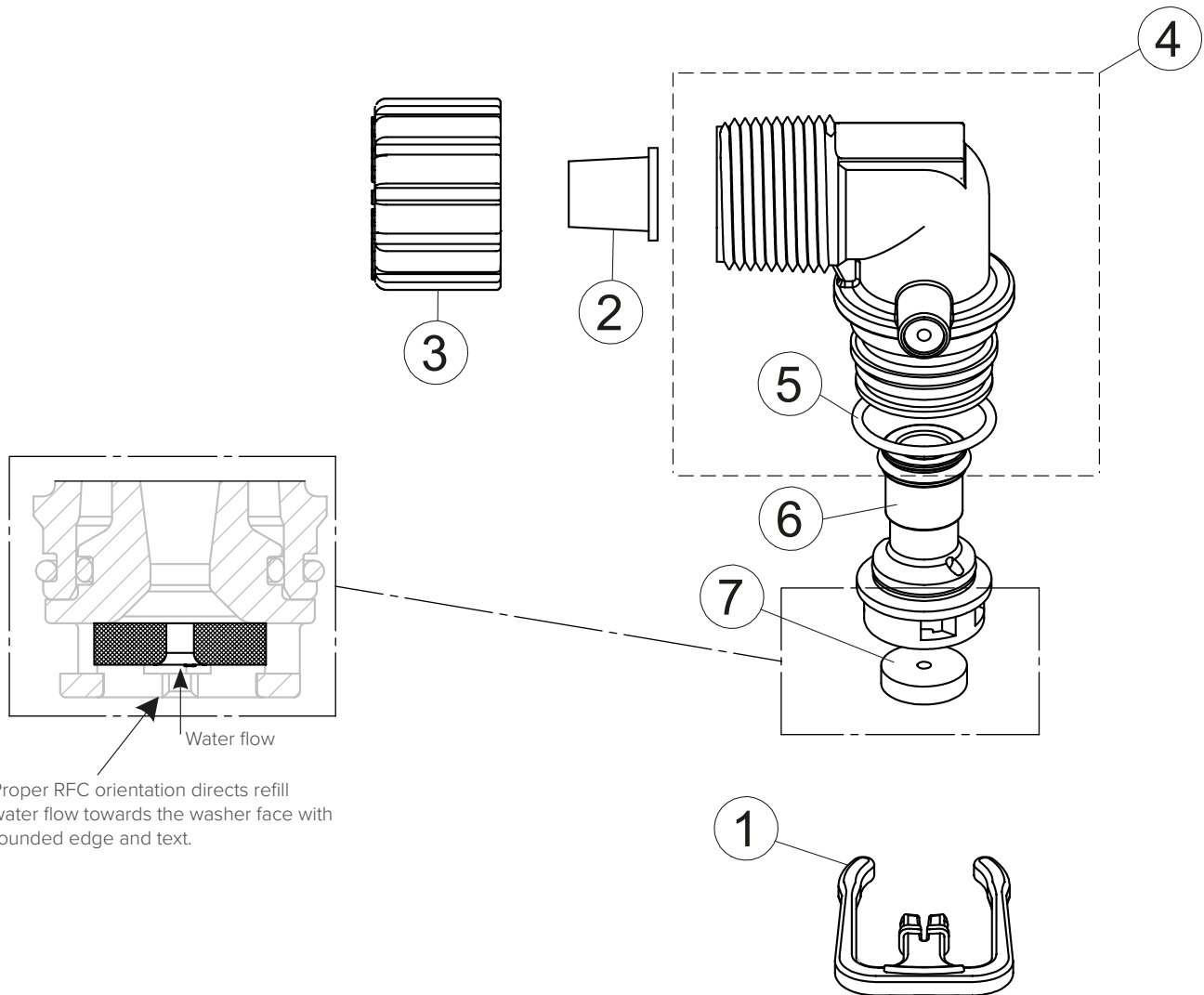
WS1 TWIN - REFILL FLOW CONTROL

nr	Reference	Search Name	Item Name	Qty	£
01*	5303025125	V3195-01	WS1 Refill Port Plug Asy		4.02
02	5303025041	H4615	Elbow Locking Clip	1	0.29
03	5303020180	V4144	Elbow 3/8 Liquifit with O-ring	1	2.44
04	5303024403	V3163	O-ring 019	1	0.25
05 **	5303025100	V3165-01	WS1 Refill Flow Control Retainer Asy	1	2.58
06	5303025111	V3182	WS1 Refill Flow Control (0.5 gpm)	1	0.75
07	5303020181	V4144-01	Elbow 3/8" Liquifit assy with RFC	1	4.42
N.S.	5303020189	V3552	WS1 Brine Elbow Assembly with Refill Flow Control 1/2"	Option	4.37
N.S.	5303025043	H4650	Elbow 1/2" with nut & insert	Option	5.49

* This part is required for backwash only systems

** Assembly includes V3182 WS1 (0.5 gpm) RFC.

WS1 TWIN - DRAIN LINE FLOW CONTROL 3/4"

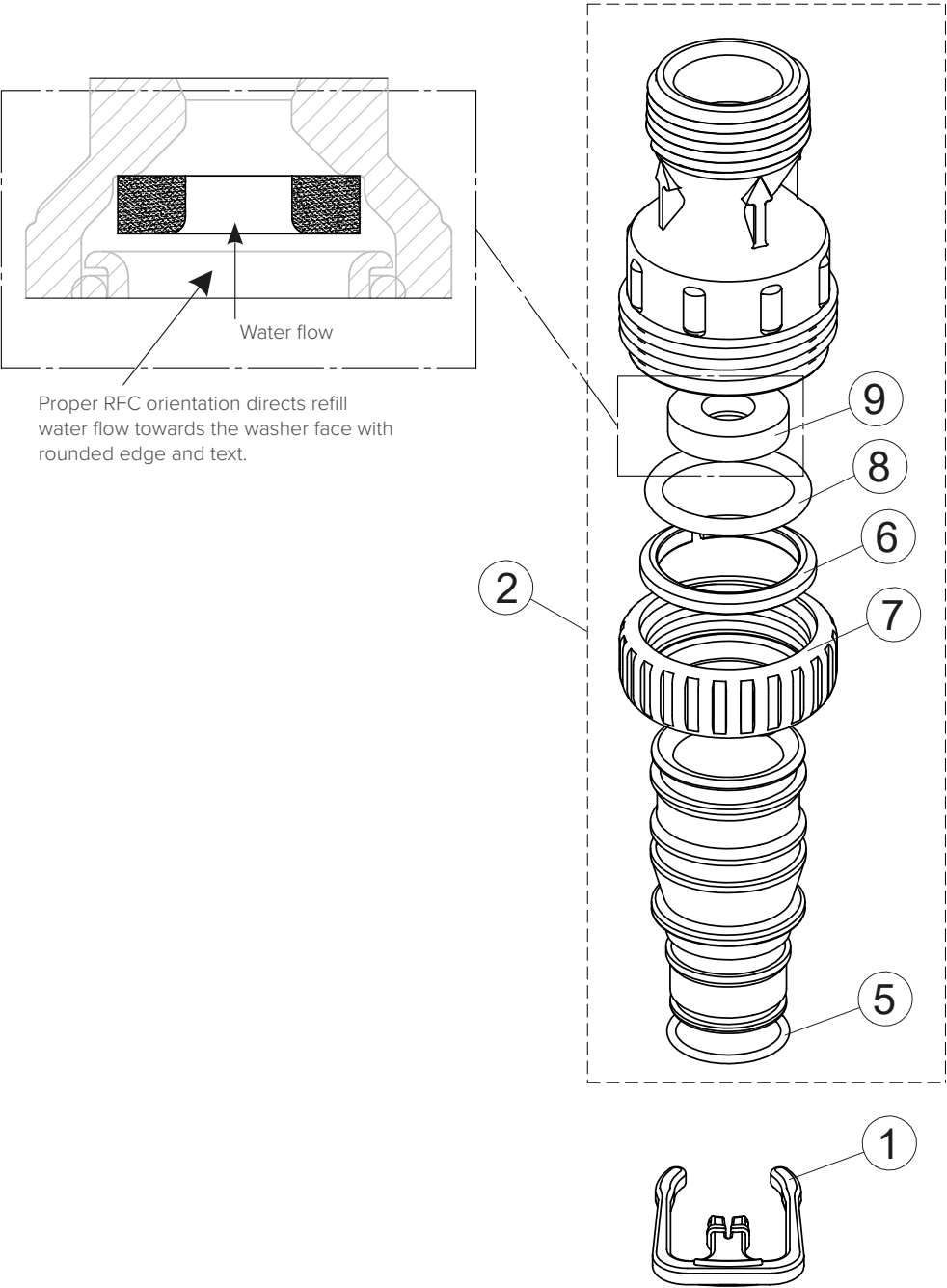


WS1 TWIN - DRAIN LINE FLOW CONTROL 3/4"

nr	Reference	Search Name	Item Name	Qty	£
01	5303025041	H4615	Elbow Locking Clip	1	0.29
02	5303024090	PKP10TS8-BULK	Insert Polytube 5/8"	Option	0.77
03	5303024088	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	Option	0.77
04*	5303025098	V3158-01	WS1 Drain Elbow 3/4" Male Asy	1	2.72
05	5303024403	V3163	O-ring 019	1	0.25
06*	5303025099	V3159-01	WS1 DLFC Retainer Asy	1	1.08
07	5303024091	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"		1.36
07	5303024092	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"		1.36
07	5303024093	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"		1.36
07	5303024094	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"		1.36
07	5303024095	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"		1.36
07	5303024096	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"		1.36
07	5303024097	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"		1.36
07	5303024098	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"		1.34
07	5303024099	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"		1.36
07	5303024100	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"		1.36
07	5303024101	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"		1.36
07	5303024102	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"		1.36
07	5303024103	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"		1.36

* 4 and 6 can be ordered as a complete assembly - V3331 WS1 Drain Elbow and Retainer Asy

WS1 TWIN - DRAIN LINE FLOW CONTROL 1"

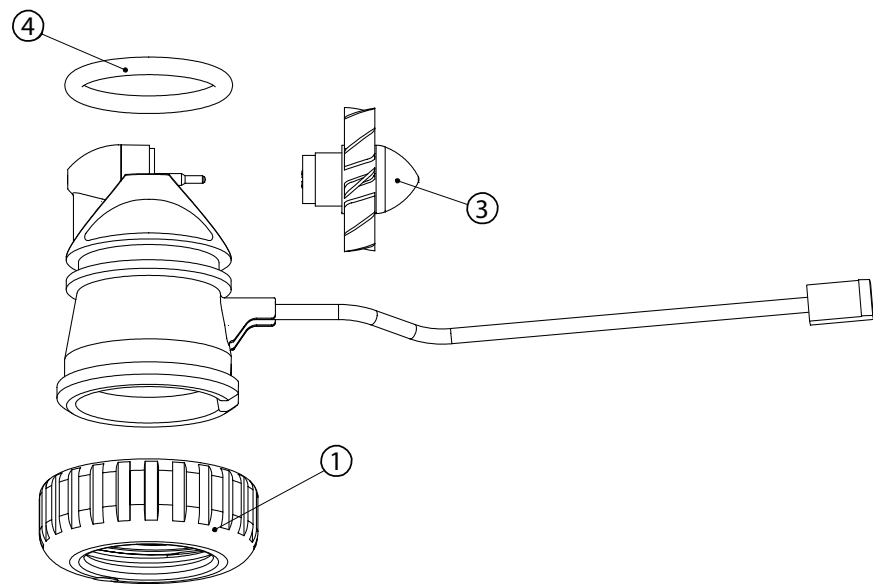


WS1 TWIN - DRAIN LINE FLOW CONTROL 1”

nr	Reference	Search Name	Item Name	Qty	£
01	5303025041	H4615	Elbow Locking Clip	1	0.29
02	5303024083	V3008-02	WS1 Drain Fitting 1” Straight with Check Valve	1	11.31
05	5303024403	V3163	O-ring 019	1	0.25
06	5303025094	V3150	WS1 Split Ring	1	0.28
07	5303025096	V3151	WS1 Nut 1” quick connect	1	0.87
08	5303022165	V3105	O-ring 215	1	0.26
09	5303025164	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1”		3.48
09	5303024104	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1”		3.52
09	5303024105	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1”		3.52
09	5303024106	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1”		3.52
09	5303024107	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1”		3.52
09	5303024108	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1”		3.52
09	5303024109	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1”		3.52
09	5303024110	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1”		3.52

* Can be ordered as a set. Order number V3008-02, description: WS1 Drain FTG 1 Straight.

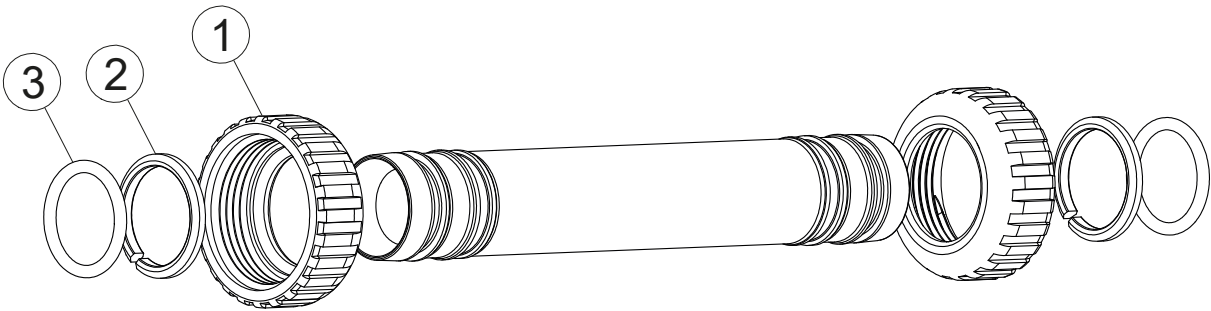
WS1 TWIN - WATER METER



nr	Reference	Search Name	Item Name	Qty	£
01	5303025096	V3151	WS1 Nut 1" quick connect	1	0.87
03	5303025088	V3118-01	WS1 Turbine Asy	1	12.70
04	5303022165	V3105	O-ring 215	1	0.26
Kit *	5303020295	V4055	Twin Tank Meter Assy	1	51.78

* contains part numbers 1 to 4.

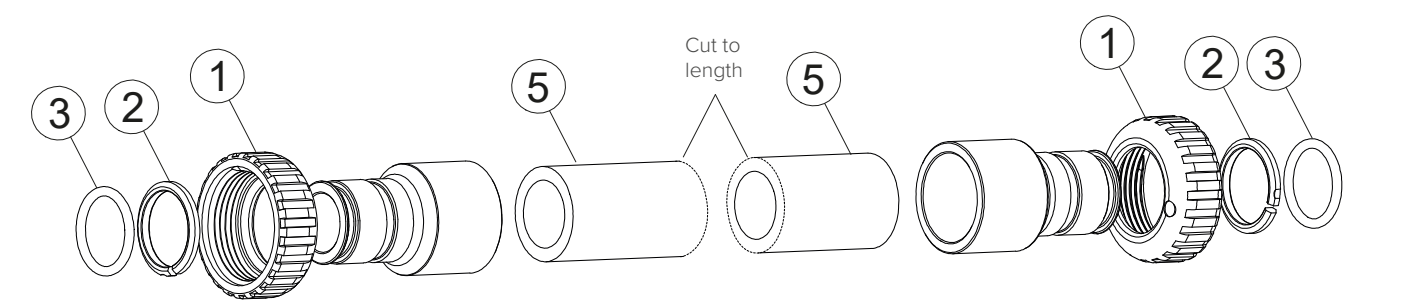
WS1 TWIN - INTERCONNECT FITTINGS UP TO 10” TANKS



nr	Reference	Search Name	Item Name	Qty	£
01	5303025096	V3151	WS1 Nut 1" quick connect	4	0.87
02	5303025094	V3150	WS1 Split Ring	4	0.28
03	5303022165	V3105	O-ring 215	4	0.26
Kit*	5303020174	V4017-01	TT Interconnect fitting asy	4	10.73

* contains part numbers 1 to 4.

WS1 TWIN - INTERCONNECT FITTINGS FOR 12” TO 21 TANKS



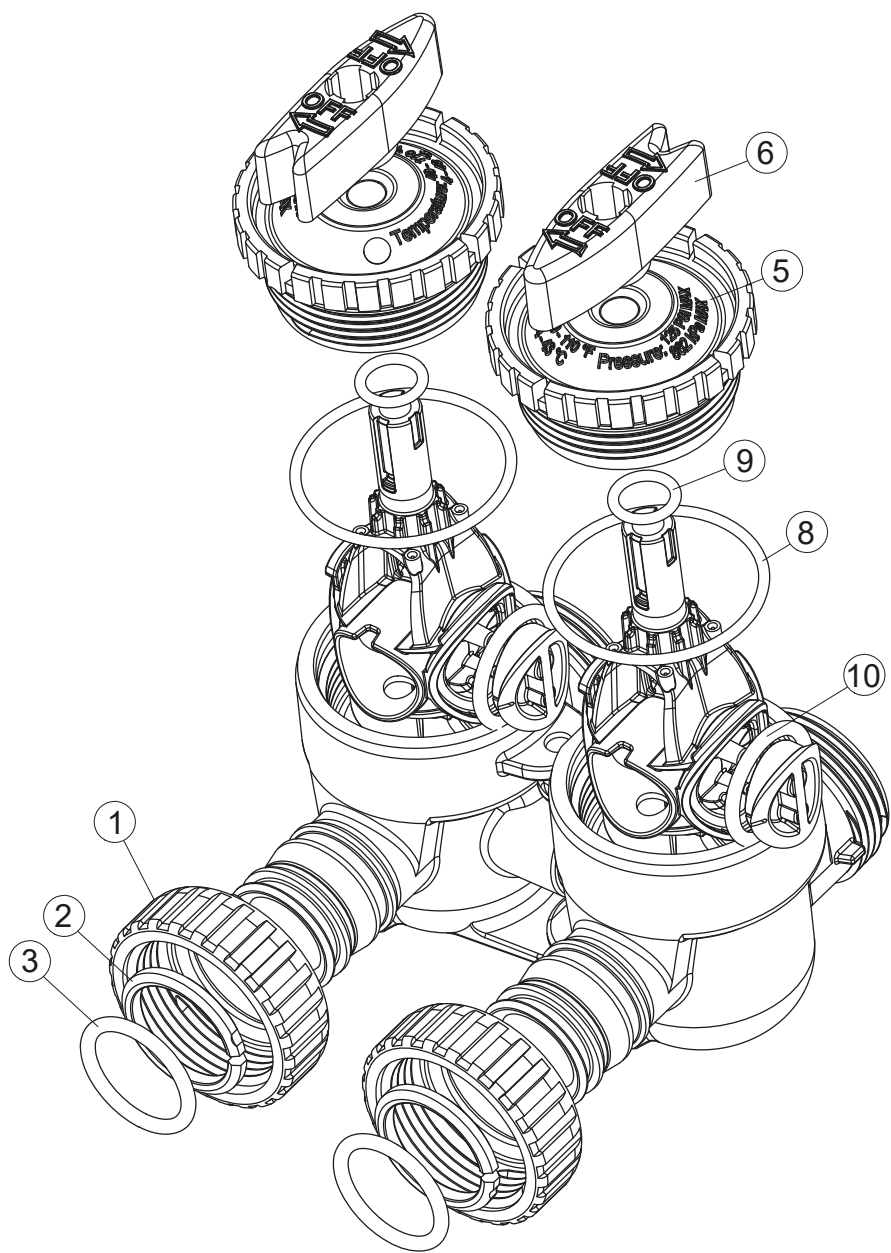
nr	Reference	Search Name	Item Name	Qty	£
01	5303025096	V3151	WS1 Nut 1" quick connect	4	0.87
02	5303025094	V3150	WS1 Split Ring	4	0.28
03	5303022165	V3105	O-ring 215	4	0.26
05	5303020123	V4052	Pipe PVC SCH 80 1-1/4 X 20	2	7.02
Kit*	5303020124	V4052-01	TT interconnect kit 12-21	4	40.12

* contains part numbers 1 to 5

ACCESSORIES

WS1 Bypass	96
WS1 & WS1.25 - Alternating valve (MAV)	98
WS1.5 Plastic - Alternating valve (MAV)	100
WS1.5 Brass - Alternating valve (MAV)	102
WS2 - Alternating valve (MAV)	104
WS3 - Alternating valve (MAV)	106
WS1 & WS1.25 - No hardwater bypass (NHWBP)	108
WS1.5 Plastic - No hardwater bypass (NHWBP)	110
WS1.5 Brass - No hardwater bypass (NHWBP)	112
WS2 - No hardwater bypass (NHWBP)	114
WS3 - No hardwater bypass (NHWBP)	116

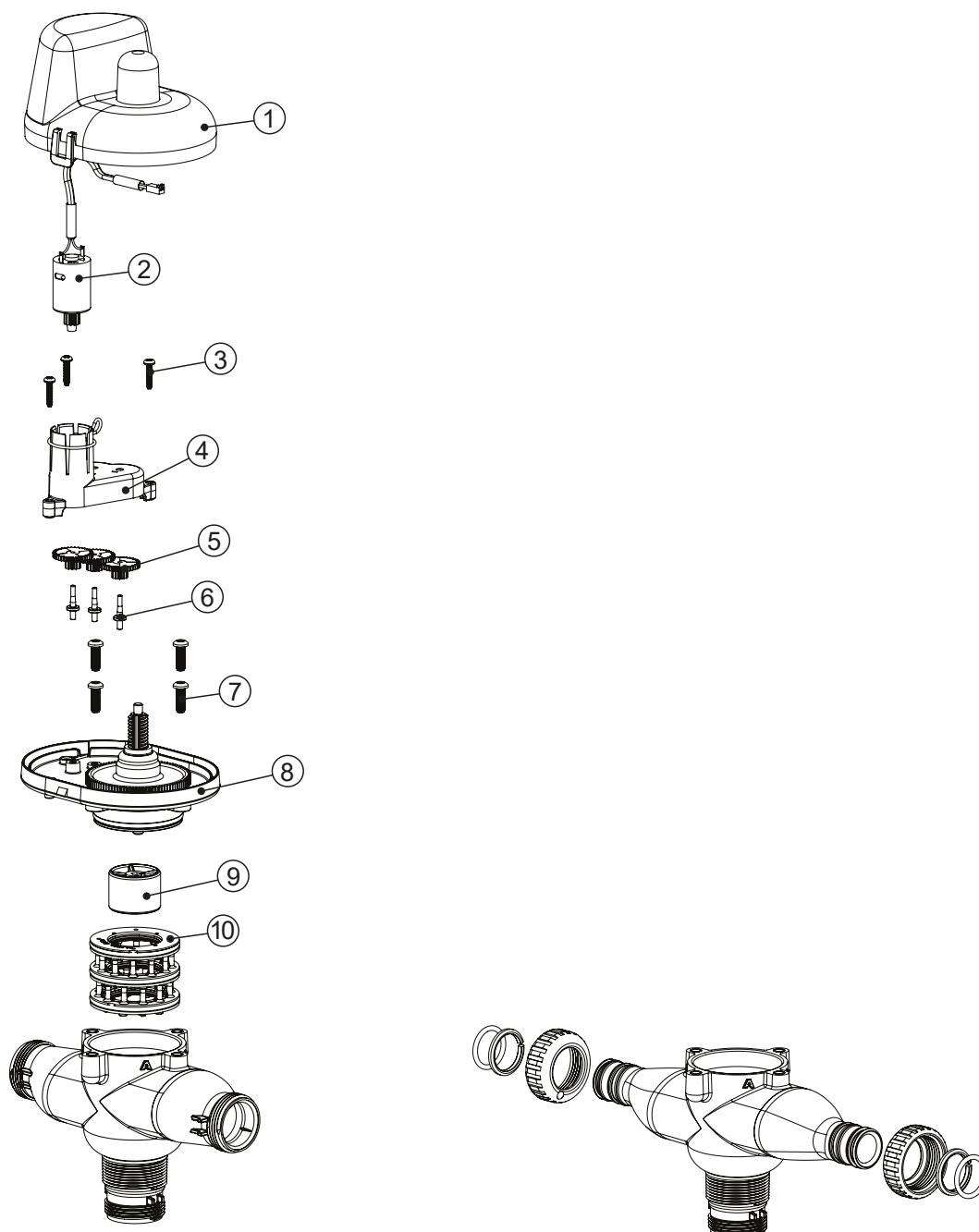
WS1 BYPASS



WS1 BYPASS

nr	Reference	Search Name	Item Name	Qty	£
01	5303025096	V3151	WS1 Nut 1" quick connect	2	0.87
02	5303025094	V3150	WS1 Split Ring	2	0.28
03	5303022165	V3105	O-ring 215	2	0.26
05	5303025090	V3146	WS1 Bypass Cap	2	1.19
06	5303025091	V3147	WS1 Bypass Handle	2	0.81
08	5303029462	V3152	O-ring 135	2	0.63
09	5303028483	V3155	O-ring 112	2	0.18
10	5303028660	V3156	O-ring 214	2	0.26
Kit	5303024075	V3006	WS1 Bypass	2	20.89

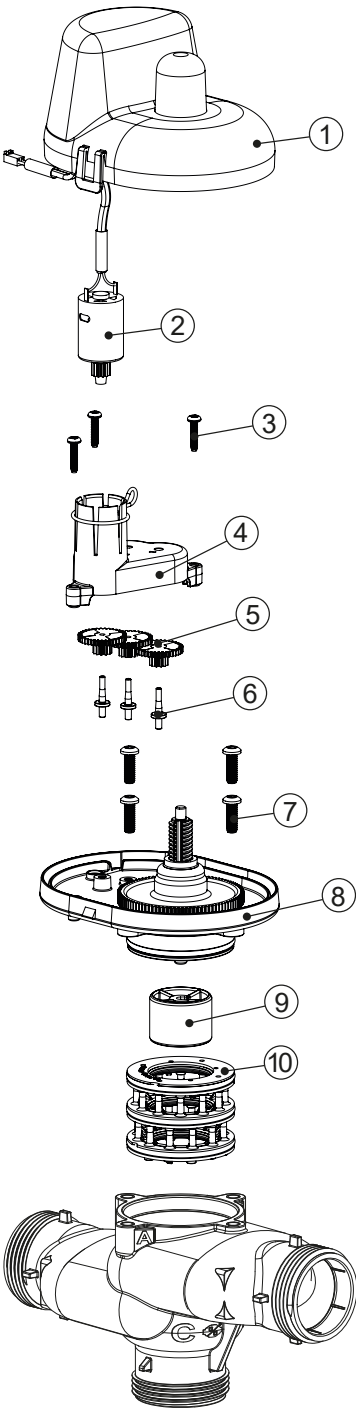
WS1 & WS1.25 - ALTERNATING VALVE (MAV)



WS1 & WS1.25 - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
07	5303020050	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.28
08	5303021661	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.45
09	5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.18
10	5303021663	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.00
Kit	5303029140	V3069FF-01	Motorized Alternating Valve WS1 & WS1.25 (female x female)	1	131.94
Kit	5303029141	V3069MM-01	Motorized Alternating Valve WS1 & WS1.25 (male x male)	1	128.70
N.S.	5303021231	V3474	WS Alternating Connection Cord 12' (3 wire) Black	1	5.72

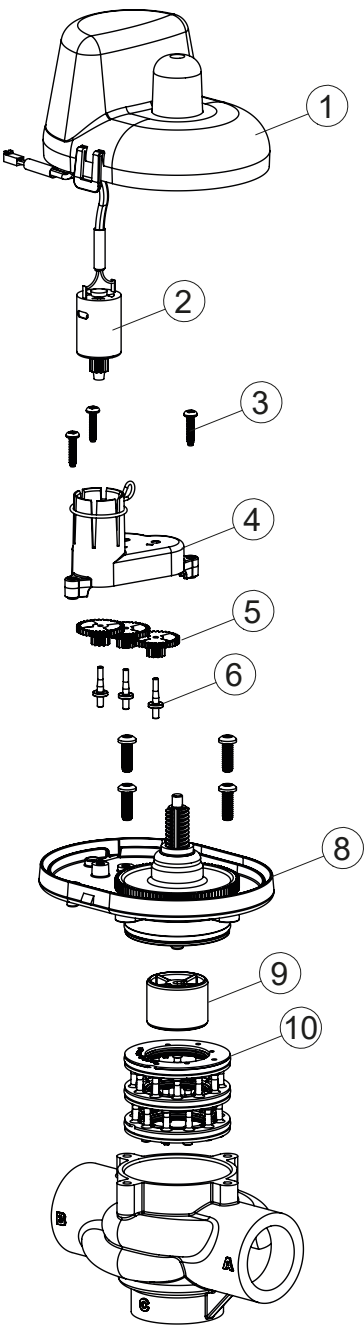
WS1.5 PLASTIC - ALTERNATING VALVE (MAV)



WS1.5 PLASTIC - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly		16.37
02	5303021232	V3476	WS Motor Assembly 8'		18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS		0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly		4.30
06	5303021198	V3264	WS2 Reduction Gear Axel		0.56
07	5303020050	V3527	Screw 1/4-20 X 3/4 BHSGS SS		0.28
08	5303021661	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy		21.45
09	5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston		29.18
10	5303021663	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack		13.00
Kit	5303020327	V3034	Motorized Alternating Valve WS1.5 Plastic		198.25
N.S.	5303021231	V3474	WS Alternating Connection Cord 12' (3 wire) Black		5.72

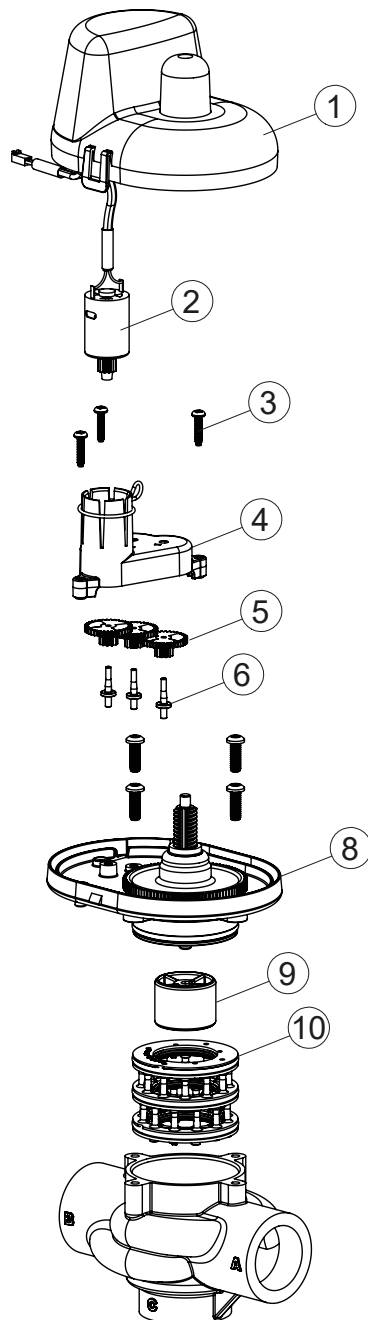
WS1.5 BRASS - ALTERNATING VALVE (MAV)



WS1.5 BRASS - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
07	5303020050	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.28
08	5303021661	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.45
09	5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.18
10	5303021663	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.00
11	5303020052	V3525BSPT-01	1.5" MAV Body BSPT	1	331.06
N.S.	5303021231	V3474	WS Alternating Connection Cord 12' (3 wire) Black	1	5.72

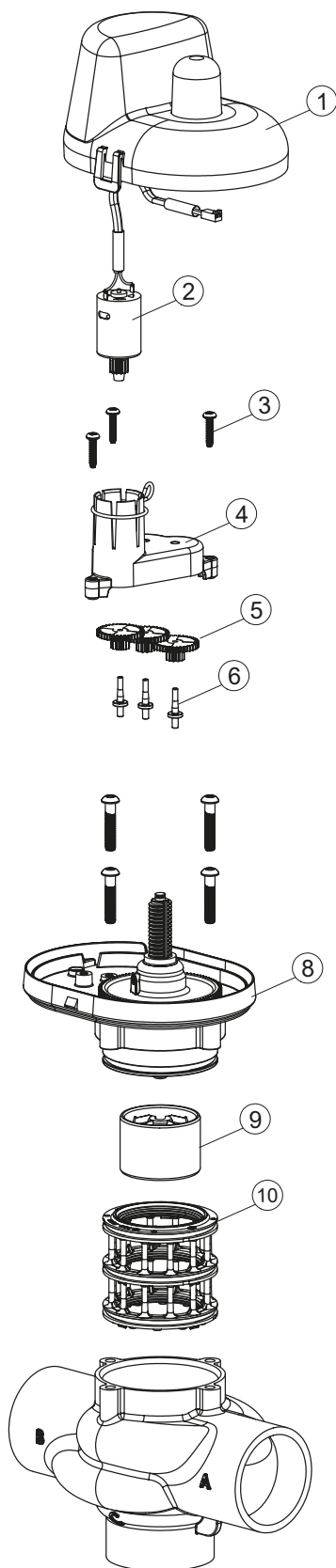
WS2 - ALTERNATING VALVE (MAV)



WS2 - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axle	3	0.56
07	5303020014	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.63
08	5303020054	V3078	MAV/NHWBP 2" Drive Asy	1	35.38
09	5303020055	V3634-01	MAV/NHWBP 2" Piston	1	27.75
10	5303020056	V3077	MAV/NHWBP 2" Stack Asy	1	24.62
11	5303020058	V3633BSPT-01	WS2 MAV Body BSPT (Piston Style)	1	401.64
N.S.	5303021231	V3474	WS Alternating Connection Cord 12' (3 wire) Black	1	5.72

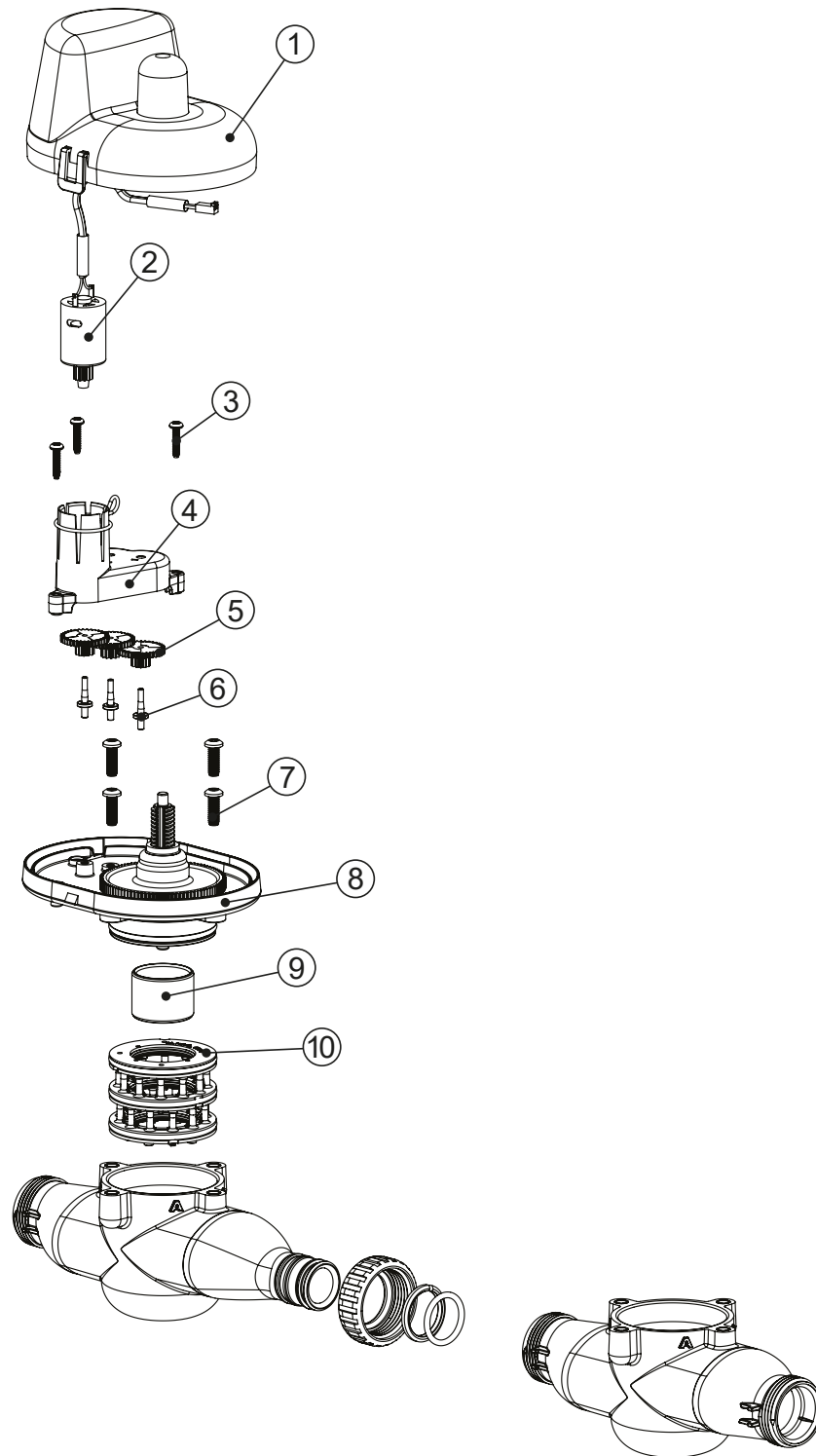
WS3 - ALTERNATING VALVE (MAV)



WS3 - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
08	5303020175	V3085	WS3 MAV Drive cap Assy	1	116.45
09	5303020093	V3695-01	WS3 MAV Piston	1	40.52
10	5303020094	V3084	WS3 MAV Stack assembly	1	58.17
Kit	5303021840	V3083BSPT	Motorized Alternating valve WS3	1	921.69

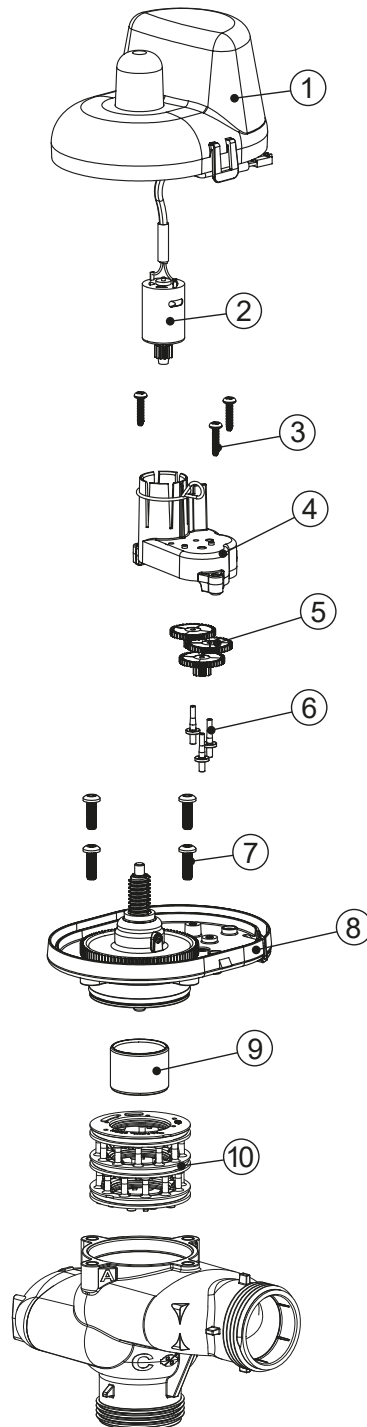
WS1 & WS1.25 - NO HARDWATER BYPASS (NHWPB)



WS1 & WS1.25 - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
07	5303020050	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.28
08	5303021661	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.45
09	5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.18
10	5303021663	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.00
Kit	5303020764	V3070FF	NHWBP WS1 & WS1.25 (female x female)	1	119.92
Kit	5303020765	V3070FM	NHWBP WS1 & WS1.25 (female x male)	1	120.29

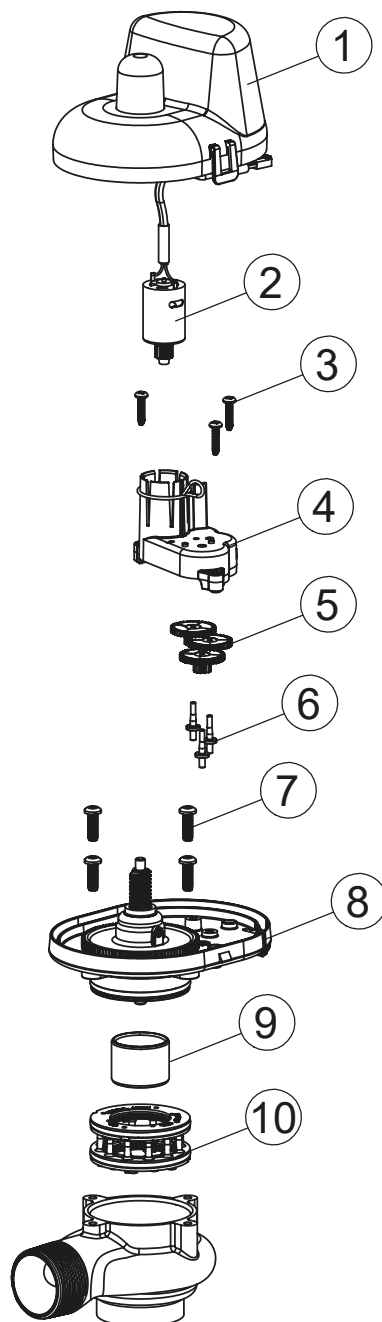
WS1.5 PLASTIC - NO HARDWATER BYPASS (NHWBP)



WS1.5 PLASTIC - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
06	5303021198	V3264	WS2 Reduction Gear Axel	1	0.56
07	5303020050	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.28
08	5303021661	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.45
09	5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.18
10	5303021663	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.00
N.S.	5303020082	V3805	Stain Relief Cover Kit	1	1.15

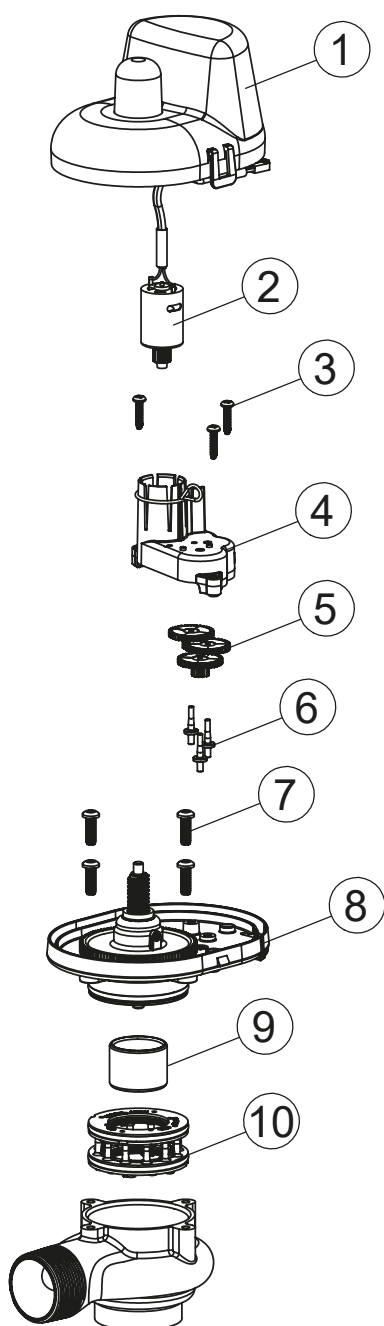
WS1.5 BRASS - NO HARDWATER BYPASS (NHWBP)



WS1.5 BRASS - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
07	5303020050	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.28
08	5303021661	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.45
09	5303021662	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.18
10	5303020191	V3886	WS1.5 NHWBY stack assy	1	10.11
N.S.	5303020082	V3805	Stain Relief Cover Kit	1	1.15

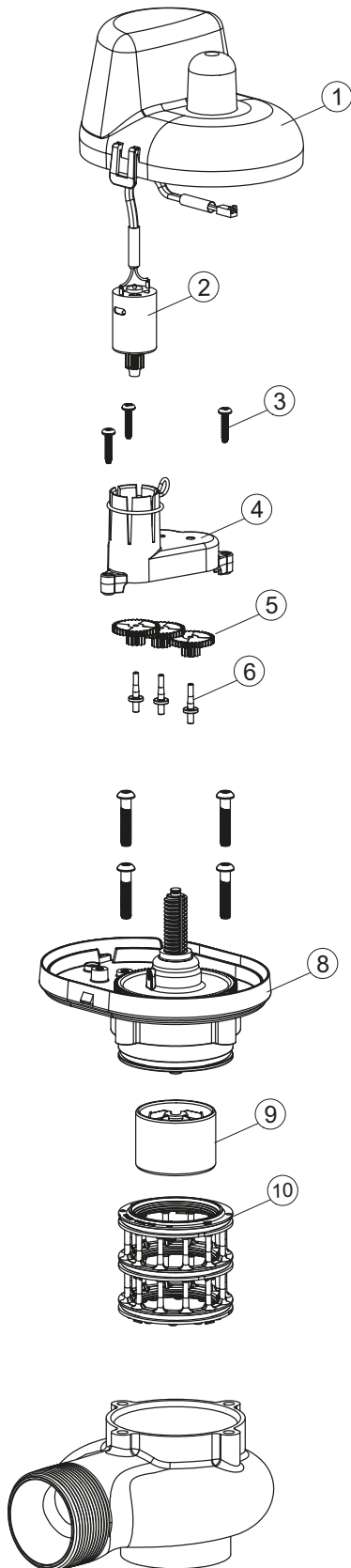
WS2 - NO HARDWATER BYPASS (NHWBP)



WS2 - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
07	5303020014	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.63
08	5303020054	V3078	MAV/NHWBP 2" Drive Asy	1	35.38
09	5303020055	V3634-01	MAV/NHWBP 2" Piston	1	27.75
10	5303020171	V3887	WS2 No Hard Water Bypass Stack Assembly	1	14.64
N.S.	5303020082	V3805	Stain Relief Cover Kit	1	1.15

WS3 - NO HARDWATER BYPASS (NHWBP)



WS3 - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	5303020048	V3073	MAV/NHWBP Cover Assembly	1	16.37
02	5303021232	V3476	WS Motor Assembly 8'	1	18.97
03	5303020049	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	5303021197	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.30
05	5303025074	V3110	Drive Gear 12x36	3	0.99
06	5303021198	V3264	WS2 Reduction Gear Axel	3	0.56
08	5303020175	V3085	WS3 MAV Drive cap Assy	1	116.45
09	5303020093	V3695-01	WS3 MAV Piston	1	40.52
10	5303020094	V3084	WS3 MAV Stack assembly	1	58.17
Kit	5303020097	V3099BSPT	NHWBP WS3 (male x female)	1	705.59



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