

Clack

VALVE
SPARE PARTS

2025



KENNET
Pollet Water Group

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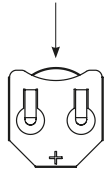
TIMERS

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

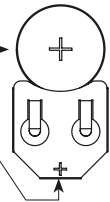
CLACK TC - FRONT COVER AND DRIVE ASSEMBLY

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

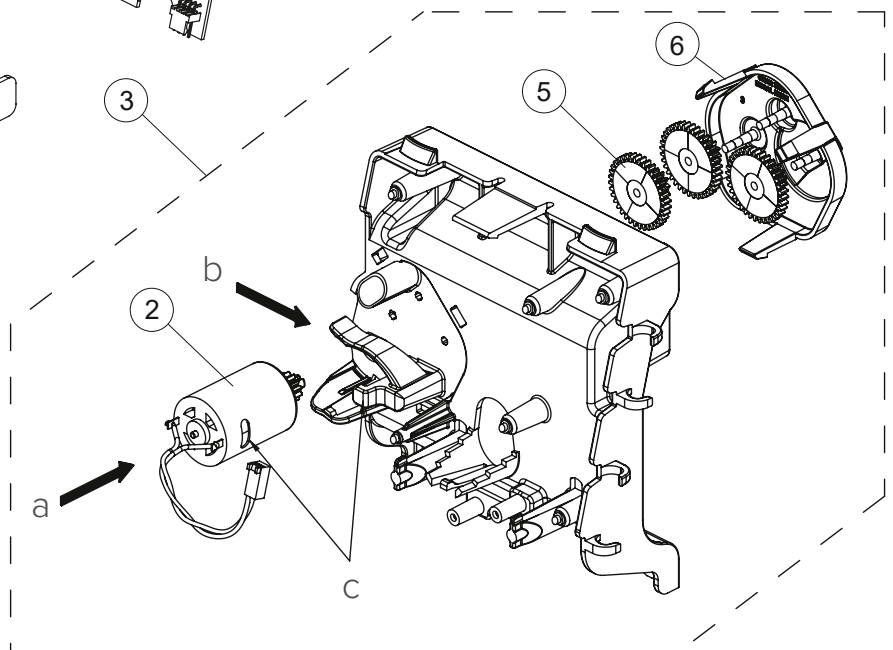
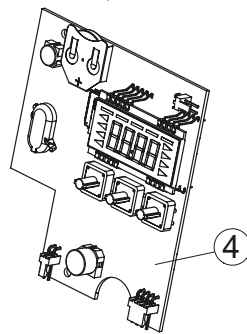
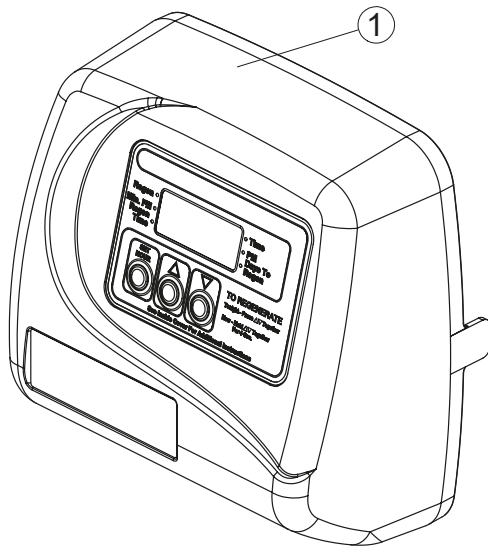


Battery Fully Seated

Connect Battery Orientation



Battery replacement is 3 volt lithium coin cell type 2032.



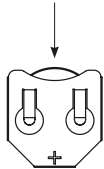
- Insert motor into drive bracket until front motor face is flush to the bracket surface
- Slide motor into position laterally
- Clip needs to be engaged in motorslot to allow proper gear engagement.

CLACK TC - FRONT COVER AND DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01	10440000332	V3175TC-01	WS1TC Front Cover Asy - Black	1	10.95
02	10440000243	V3107-01	Motor 12V	1	10.09
03	10440000252	V3002-B	Drive Bracket Assembly No Clip	1	8.03
04	10440000109	V3818TC-2TO4BRD	Electronic board for TC valves	1	49.62
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000317	V3109	Drive Gear Cover	1	1.73
N.S.	10440000446	V3186-06	WS1 DC Transformer US 15V	1	12.97
N.S.	10440000184	V3186EU-06	WS1 DC Transformer EU 15V	1	13.36
N.S.	10440000380	V3186UK-06	WS1 DC Transformer UK 15V	1	12.42
N.S.	10440000191	V3186-01	WS1 Transformer Cord Only	1	10.83

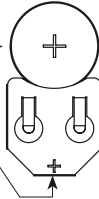
CLACK EI - FRONT COVER AND DRIVE ASSEMBLY

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



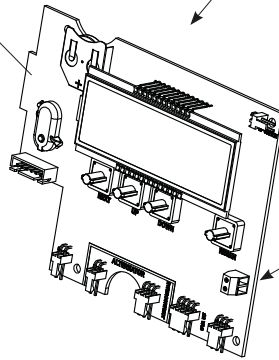
Battery Fully Seated

Connect
Battery
Orientation

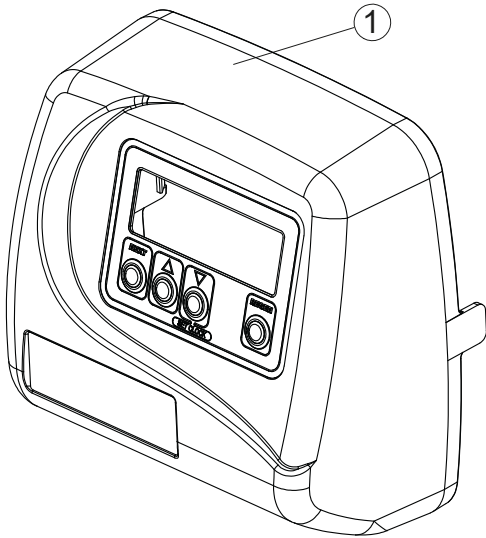


Battery replacement
is 3 volt lithium coin
cell type 2032.

4



PC Board Relay
Terminal Block

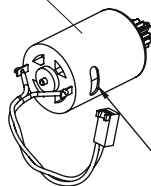


1

3

2. Slide motor into
position laterally

2

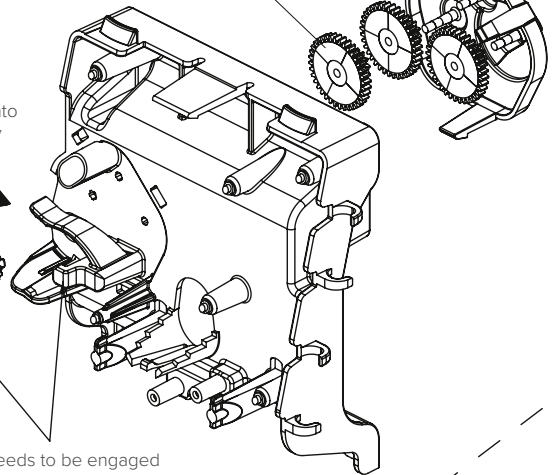


1. Insert motor
into drive bracket
until front motor
face is flush to the
bracket surface

Clip needs to be engaged
in motorslot to allow
proper gear engagement.

5

6

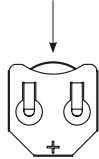


CLACK EI - FRONT COVER AND DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01	10440000203	V3175EI-01	WS1.5EI Front Cover Asy	1	10.13
02	10440000243	V3107-01	Motor 12V	1	10.09
03	10440000252	V3002-B	Drive Bracket Assembly No Clip	1	8.03
04	10440000245	V3408EI-04BOARD	Electronic board for EI valves	1	71.76
05	10440000303	V3110	Drive Gear 12x36	1	1.01
06	10440000317	V3109	Drive Gear Cover	1	1.73
N.S.	10440000446	V3186-06	WS1 DC Transformer US 15V	1	12.97
N.S.	10440000184	V3186EU-06	WS1 DC Transformer EU 15V	1	13.36
N.S.	10440000380	V3186UK-06	WS1 DC Transformer UK 15V	1	12.42
N.S.	10440000191	V3186-01	WS1 Transformer Cord Only	1	10.83
N.S.	10440000195	V3178	WS1 Drive Back Plate	1	4.95

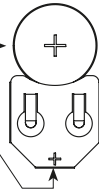
CLACK CI - FRONT COVER AND DRIVE ASSEMBLY

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

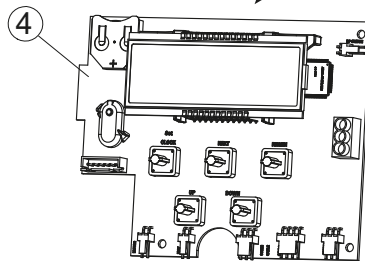
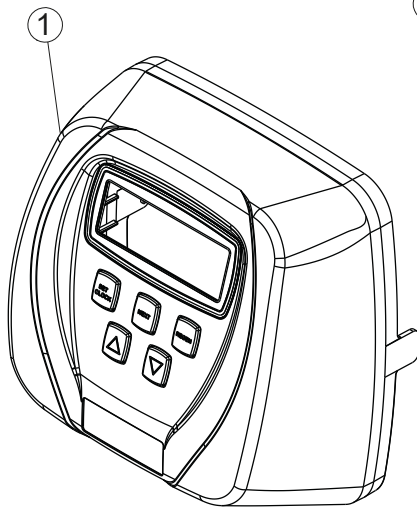


Battery Fully Seated

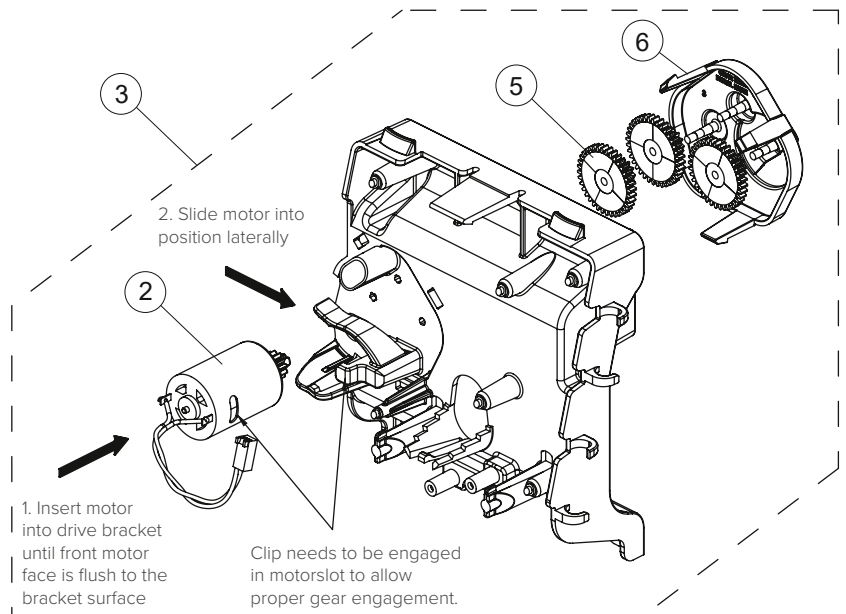
Connect Battery Orientation



Battery replacement is 3 volt lithium coin cell type 2032.



PC Board Relay Terminal Block



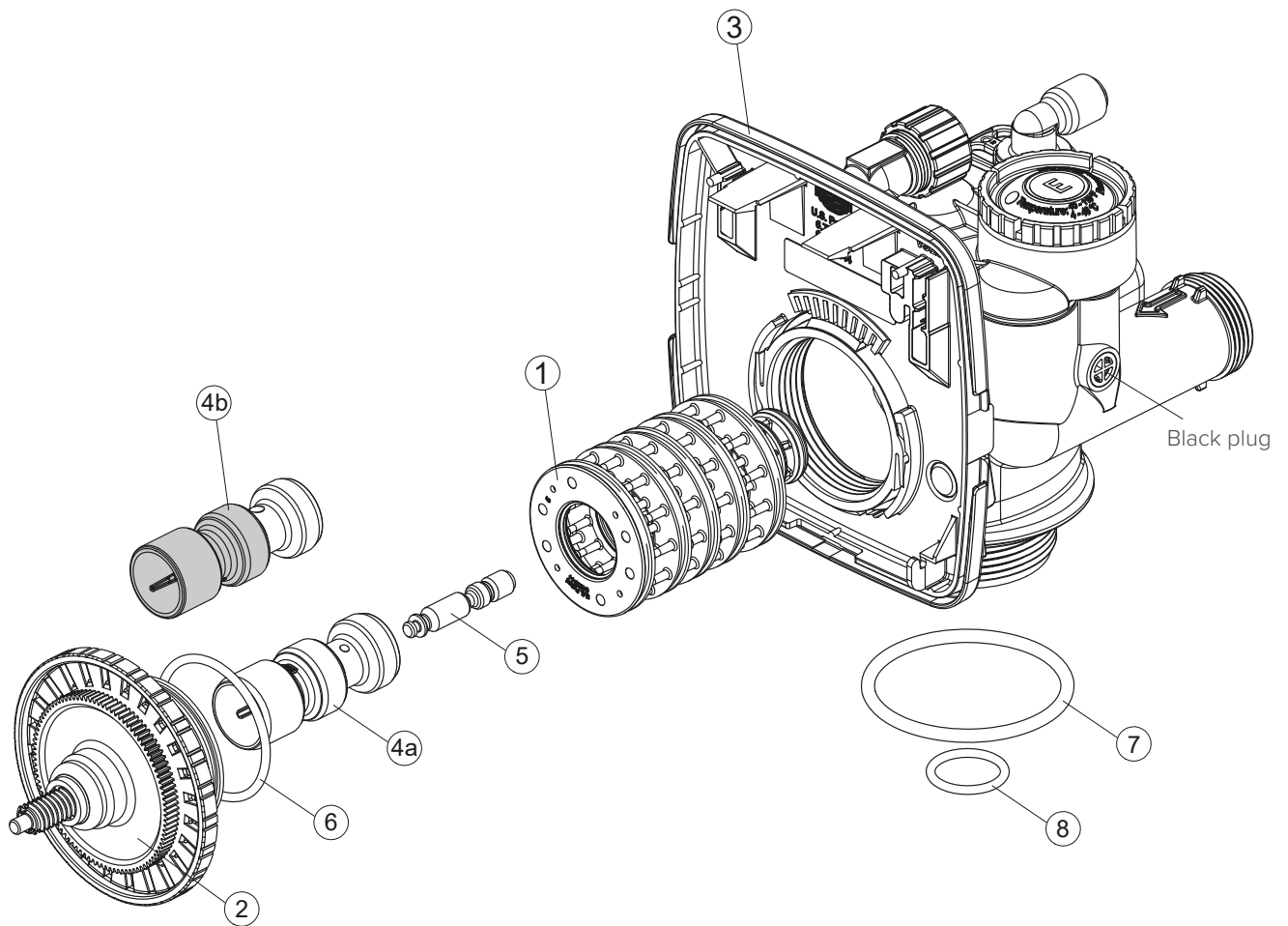
CLACK CI - FRONT COVER AND DRIVE ASSEMBLY

nr	Reference	Search Name	Item Name	Qty	£
01	10440000316	V3175CI-01	WS1CI Front Cover Asy Black	1	12.07
02	10440000243	V3107-01	Motor 12V	1	10.09
03	10440000252	V3002-B	Drive Bracket Assembly No Clip	1	8.03
04	10440000182	V3108CI-06BOARD	Electronic board for CI valves	1	75.30
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000317	V3109	Drive Gear Cover	1	1.73
N.S.	10440000446	V3186-06	WS1 DC Transformer US 15V	1	12.97
N.S.	10440000184	V3186EU-06	WS1 DC Transformer EU 15V	1	13.36
N.S.	10440000380	V3186UK-06	WS1 DC Transformer UK 15V	1	12.42
N.S.	10440000191	V3186-01	WS1 Transformer Cord Only	1	10.83
N.S.	10440000195	V3178	WS1 Drive Back Plate	1	4.95

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



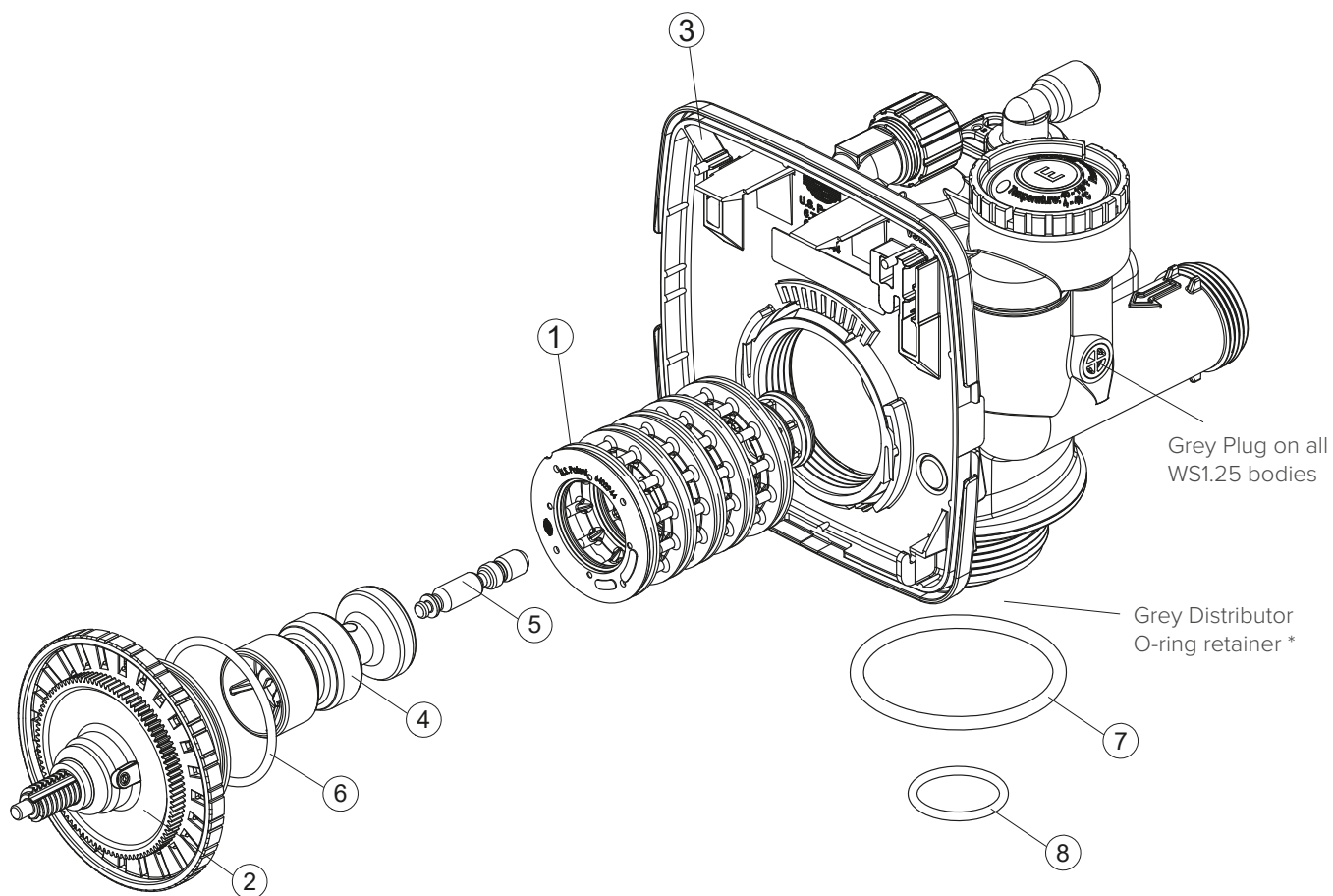
WS1 - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	10440000114	V3005-02	WS1 Spacer Stack	1	25.63
02	10440000155	V3004	Drive Cap Assy	1	18.72
03	10440000195	V3178	WS1 Drive Back Plate	1	4.95
04 A	10440000189	V3011*	WS1 Piston Downflow	1	8.94
04 B	10440000067	V3011-01*	WS1 Piston Upflow	1	17.97
05	10440000020	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.62
06	10440000300	V3135	O-ring 228	1	0.89
07	10440000278	V3180	O-ring 337	1	1.46
08	10440000008	V3105	O-ring 215	1	0.27
N.S.	10440000045	V3001	WS1 Body Asy	1	127.14
N.S.	10440000253	V3001-02	WS1 Body Asy with Mixing	1	149.55
N.S.	10440000445	V3001-UP	WS1 Body Upflow Asy	1	35.66
N.S.	10440000453	V3001-02UP	WS1 Mixing Valve Body Upflow Asy	1	45.16

* 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



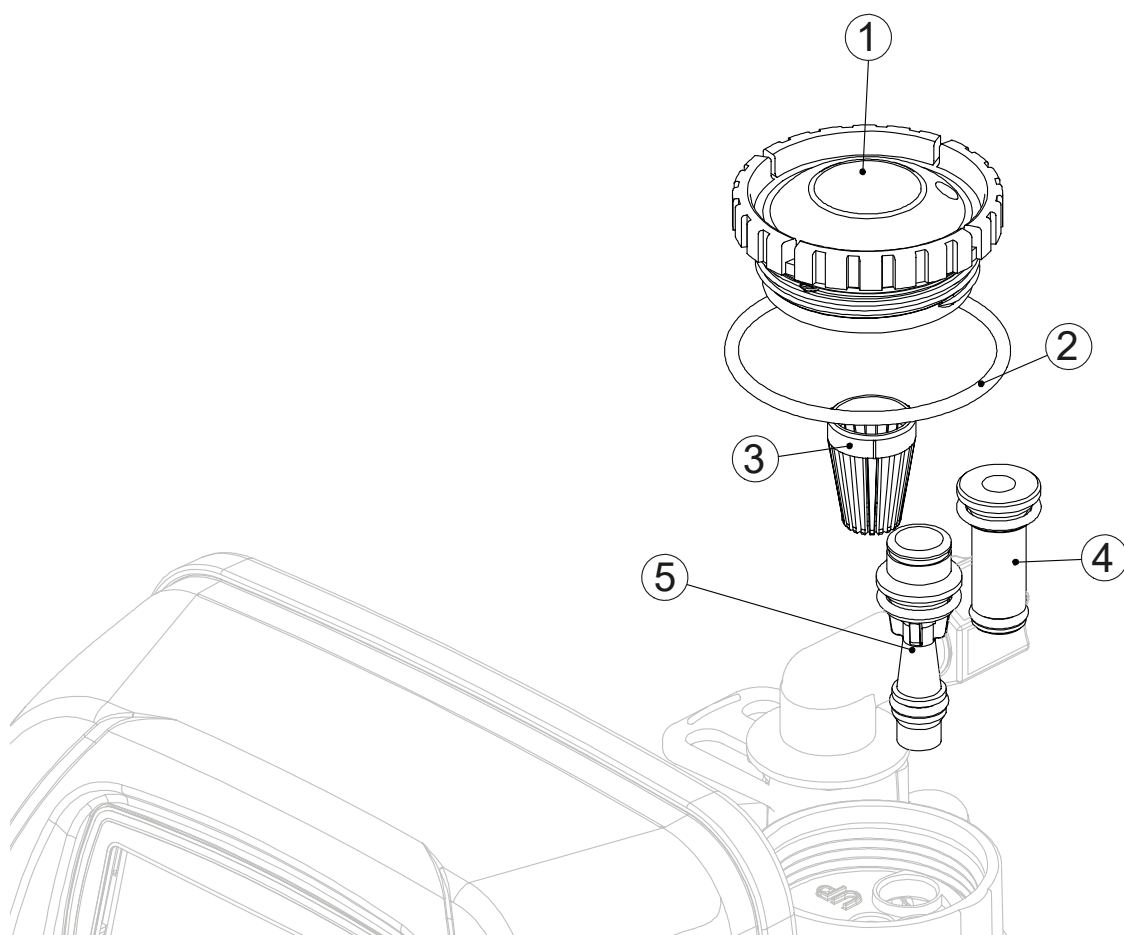
*Only for valves that have a 32mm distributor tube opening

WS1.25 - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	10440000315	V3430-01	WS1.25 & WS1.5 Spacer Stack	1	45.27
02	10440000155	V3004	Drive Cap Assy	1	18.72
03	10440000195	V3178	WS1 Drive Back Plate	1	4.95
04	10440000232	V3407	WS1.25 & WS1.5 Piston Downflow	1	31.61
04	10440000074	V4042	WS1.25 & WS1.5 Piston Upflow	1	41.52
05	10440000020	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.62
06	10440000300	V3135	O-ring 228	1	0.89
07	10440000278	V3180	O-ring 337	1	1.46
08	10440000094	V3357	O-ring 218	1	0.79
N.S.	10440000255	V3020-02	WS1.25 Body Asy 32mm Distributor	1	64.81
N.S.	10440000324	V3020-03	WS1.25 Body Asy 32mm Distributor with mixing	1	77.14

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

WS1 & WS1.25 - INJECTOR



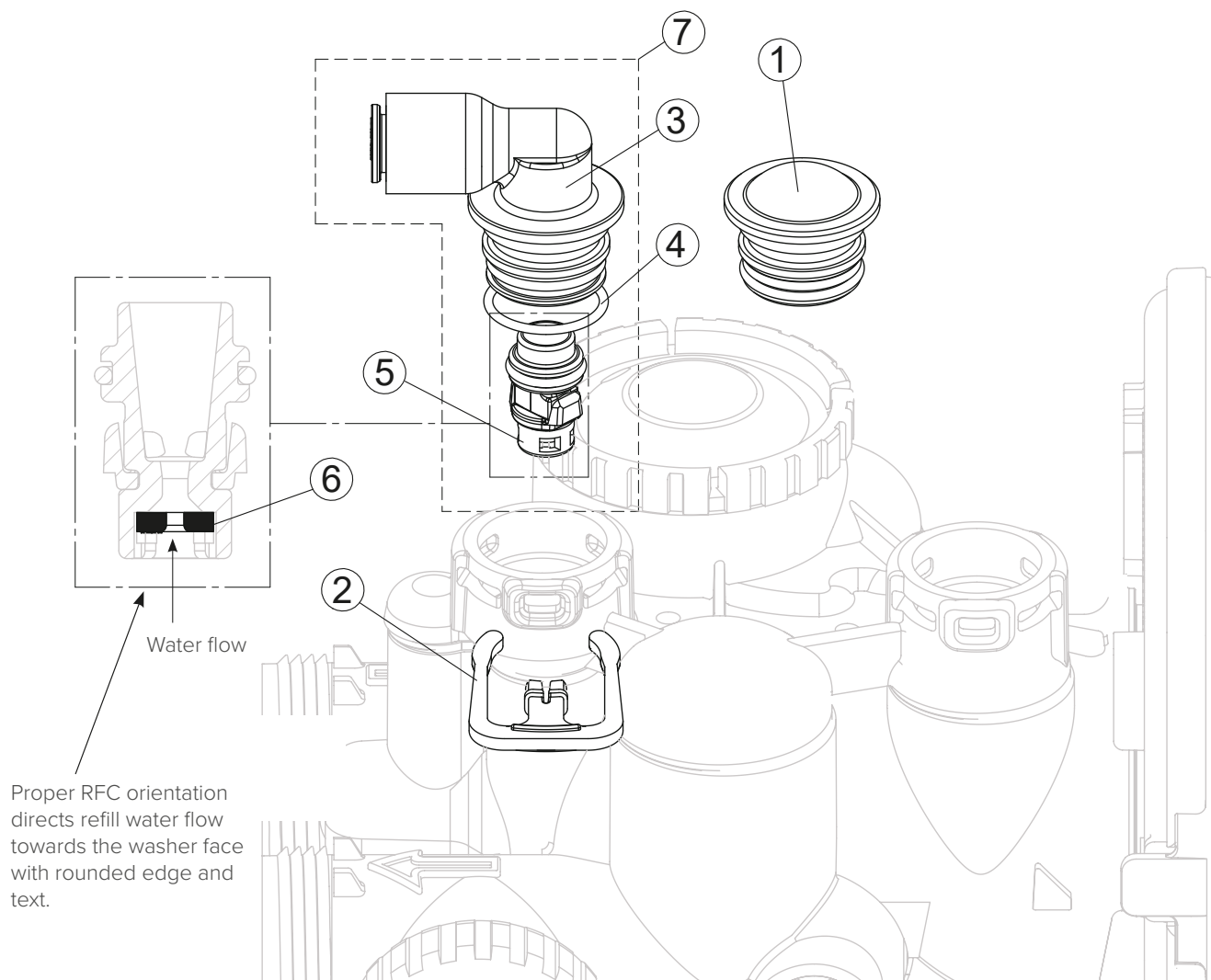
WS1 & WS1.25 - INJECTOR

nr	Reference	Search Name	Item Name	Qty	£
01	10440000186	V3176	WS1 Injector Cap	1	1.54
02	10440000105	V3152	O-ring 135	1	0.65
03	10440000318	V3176-01	WS1 Injector Cap Asy (O-Ring 135, Sreen, Cap)	1	2.97
04	10440000213	V3010-1Z	Injector plug	1	1.60
05	10440000146	V3010-1A	WS1 injector assembly A Black	1	3.04
05	10440000262	V3010-1B	WS1 injector assembly B Brown	1	3.04
05	10440000193	V3010-1C	WS1 injector assembly C Violet	1	3.04
05	10440000018	V3010-1D	WS1 injector assembly D Red	1	3.04
05	10440000007	V3010-1E	WS1 injector assembly E White	1	3.04
05	10440000148	V3010-1F	WS1 injector assembly F Blue	1	3.04
05	10440000178	V3010-1G	WS1 injector assembly G Yellow	1	3.04
05	10440000145	V3010-1H	WS1 injector assembly H Green	1	3.04
05	10440000078	V3010-1I	WS1 injector assembly I Orange	1	3.04
05	10440000099	V3010-1J	WS1 injector assembly J Light blue	1	3.04
05	10440000274	V3010-1K	WS1 injector assembly K Light Green	1	3.04
N.S.	10440000046	V3170	O-ring 011	1	0.30
N.S.	10440000032	V3171	O-ring 013	1	1.00

Until depletion of stock

Kit	1 + 2 + 3
4 - 5	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



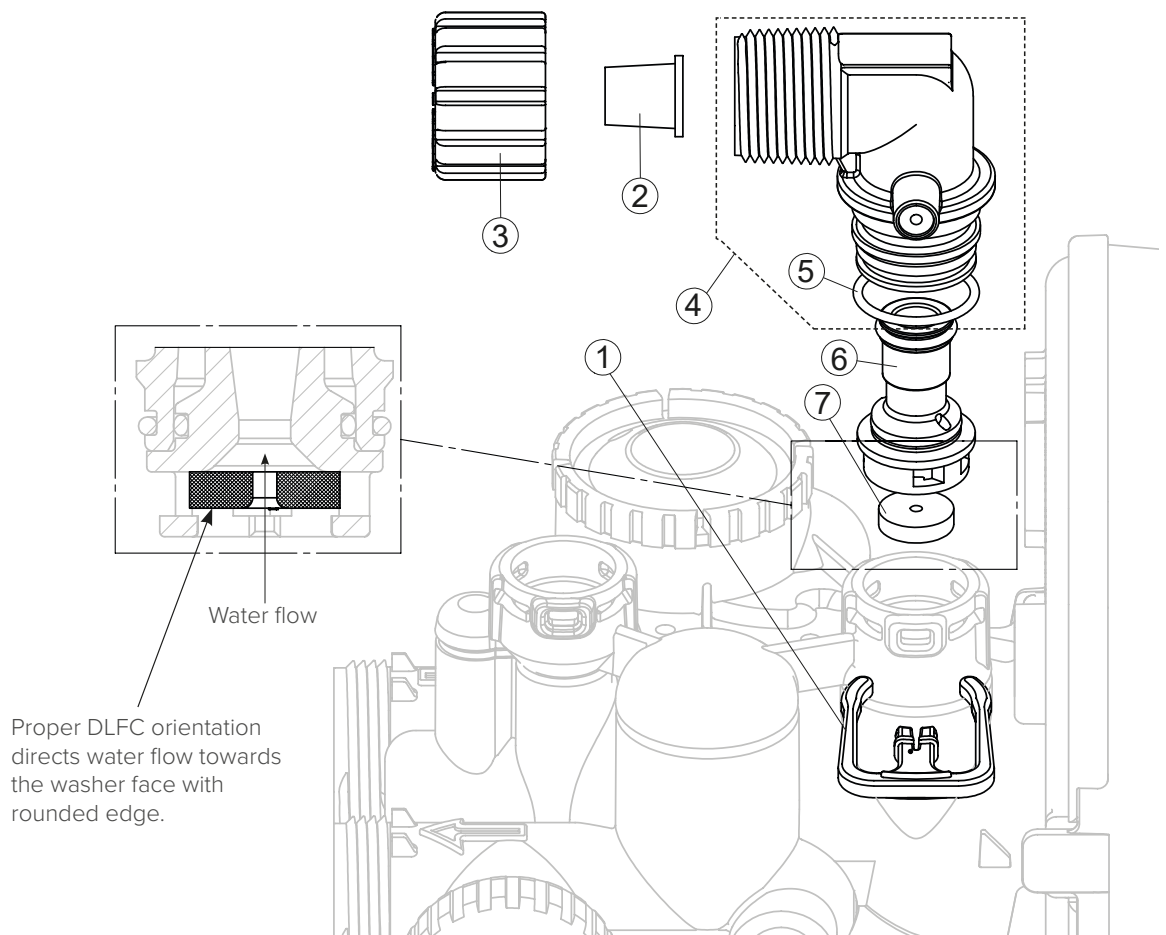
WS1 & WS1.25 - REFILL FLOW CONTROL

nr	Reference	Search Name	Item Name	Qty	£
01*	10440000127	V3195-01	WS1 Refill Port Plug Asy	1	4.12
02	10440000194	H4615	Elbow Locking Clip	1	0.31
03	10440000150	V4144	Elbow 3/8 Liquifit with O-ring	1	2.60
04	10440000091	V3163	O-ring 019	1	0.26
05**	10440000060	V3165-01	WS1 Refill Flow Control Retainer Asy	1	2.64
06	10440000251	V3182	WS1 Refill Flow Control (0.5 gpm)	1	0.77
07	10440000115	V4144-01	Elbow 3/8" Liquifit assy with RFC	1	4.53
N.S.	10440000425	V3552	WS1 Brine Elbow Assembly with Refill Flow Control 1/2"	Option	4.65
N.S.	10440000314	H4650	Elbow 1/2" with nut & insert	Option	5.63

* 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"



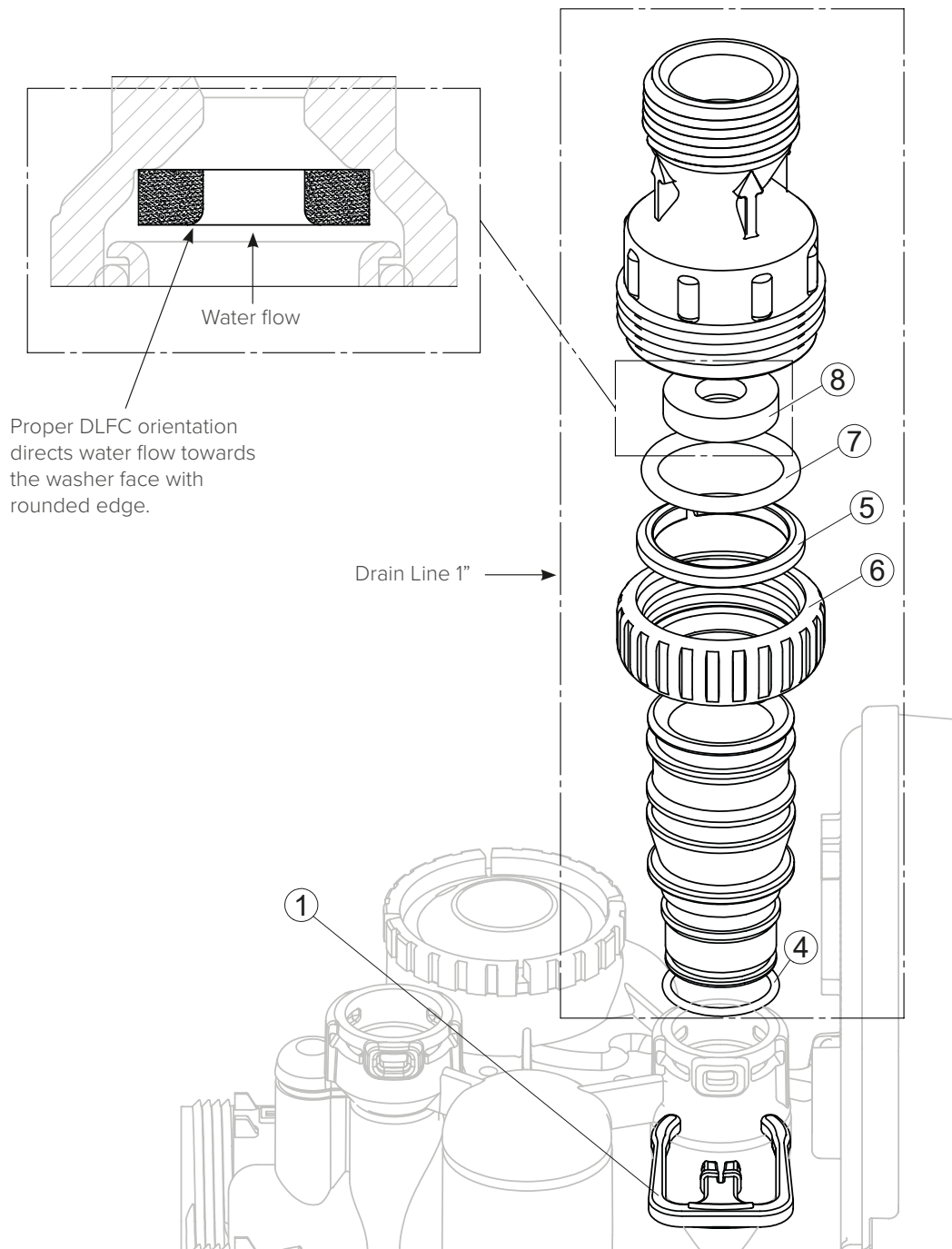
WS1 & WS1.25 - DRAIN LINE FLOW CONTROL 3/4"

nr	Reference	Search Name	Item Name	Qty	£
01	10440000194	H4615	Elbow Locking Clip	1	0.31
02	10440000181	PKP10TS8-BULK	Insert Polytube 5/8"	Option	0.79
03	10440000083	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	Option	0.79
04 *	10440000033	V3158-01	WS1 Drain Elbow 3/4" Male Asy	1	2.79
04 *	10440000152	V3158-02	WS1 Drain Elbow 3/4" Male Asy No Silencer	1	2.79
05	10440000091	V3163	O-ring 019	1	0.26
06 *	10440000198	V3159-01	WS1 DLFC Retainer Asy	1	1.11
07	10440000168	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"		1.39
07	10440000310	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"		1.39
07	10440000052	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"		1.39
07	10440000165	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"		1.39
07	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"		1.39
07	10440000313	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"		1.39
07	10440000187	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"		1.39
07	10440000090	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"		1.37
07	10440000080	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"		1.39
07	10440000141	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"		1.39
07	10440000215	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"		1.39
07	10440000159	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"		1.39
07	10440000054	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"		1.39

- * 4 and 6 can be ordered as a complete assembly:
- 10440000119 - V4057 - WS1 drain elbow & retain with silencer assy
 - 10440000236 - 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"

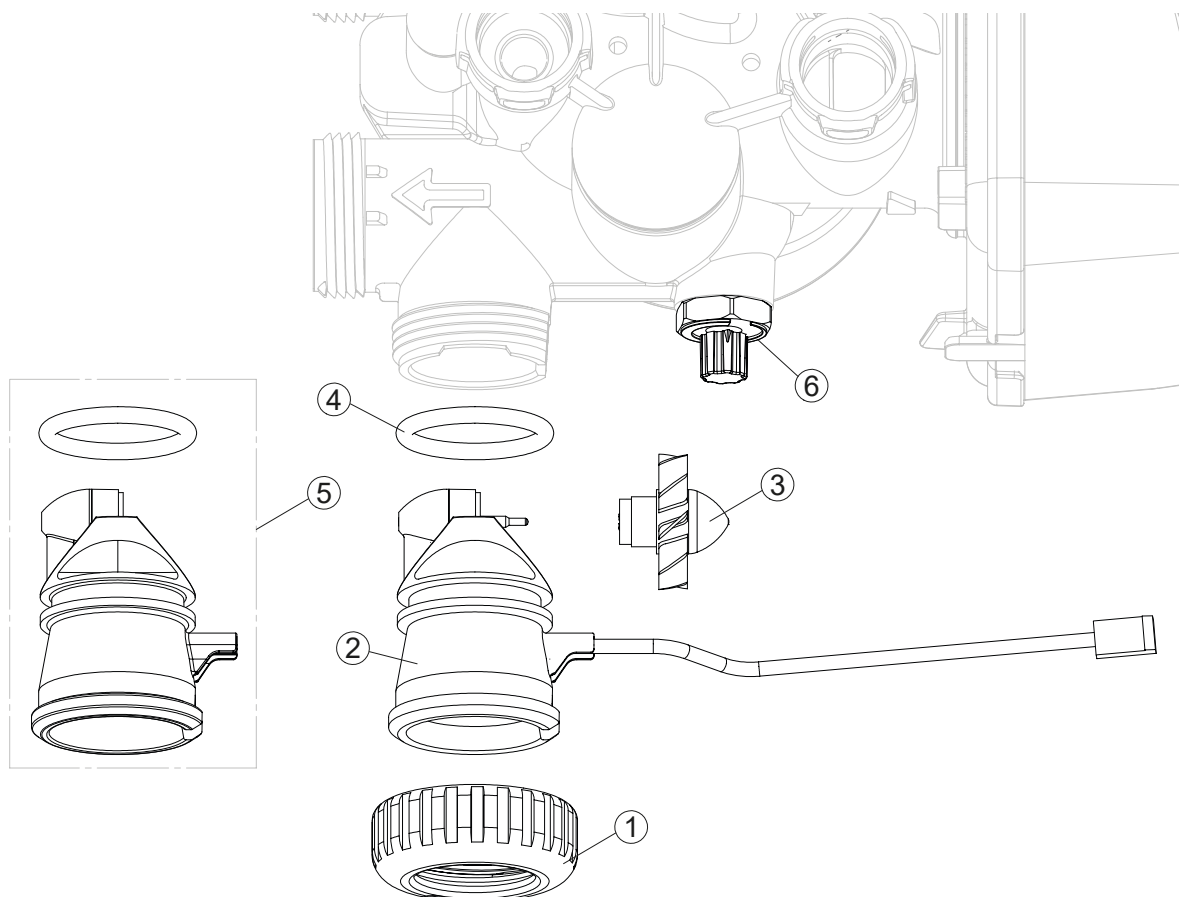


WS1 & WS1.25 - DRAIN LINE FLOW CONTROL 1"

nr	Reference	Search Name	Item Name	Qty	£
01	10440000194	H4615	Elbow Locking Clip	1	0.31
04 *	10440000091	V3163	O-ring 019	1	0.26
05 *	10440000174	V3150	WS1 Split Ring	1	0.29
06 *	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
07 *	10440000008	V3105	O-ring 215	1	0.27
08	10440000120	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"		3.57
08	10440000135	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"		3.61
08	10440000220	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"		3.61
08	10440000132	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"		3.61
08	10440000259	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"		3.61
08	10440000287	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"		3.61
08	10440000009	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"		3.61
08	10440000026	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"		3.61

- * 2 through 7 can be ordered as a complete assembly:
- 10440000295- V3008-02 - WS1 Fitting drain 1 straight with silencer or
 - 10440000263 - V3008-04 - WS1 Fitting drain 1 straight without silencer

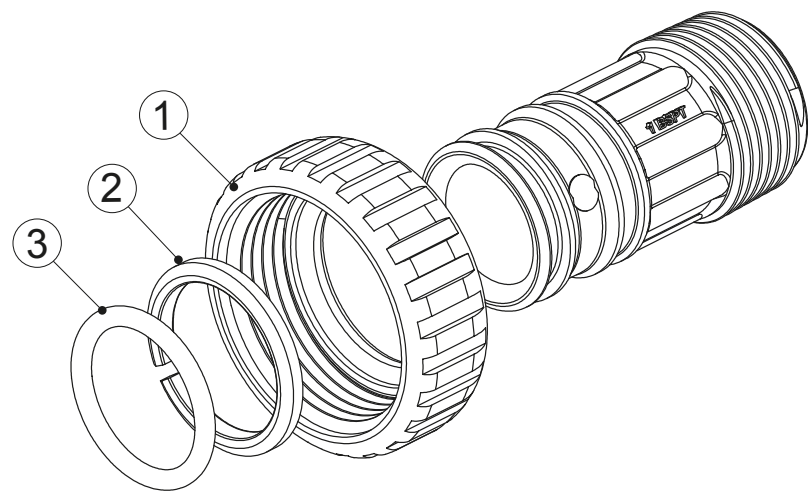
WS1 & WS1.25 - WATER METER & MIXING VALVE



nr	Reference	Search Name	Item Name	Qty	£
01	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
02 *	10440000024	V3003-05	WS1 Meter Asy	1	46.67
03	10440000240	V3118-01	WS1 Turbine Asy	1	13.02
04	10440000008	V3105	O-ring 215	1	0.27
05	10440000242	V3003-01	WS1 Meter Plug Asy	1	3.04
06	10440000285	V3013	WS1 Mixing Valve Assembly	Optional	21.02

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

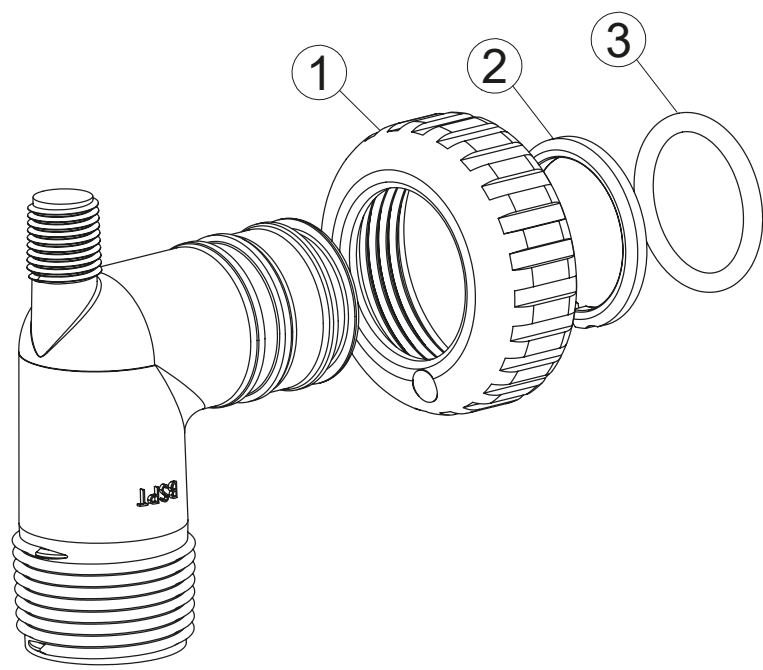
WS1 & WS1.25 - CONNECTIONS



nr	Reference	Search Name	Item Name	Qty	£
WS1 Fitting plastic male BSPT assy					
01	10440000035	V3151	WS1 Nut 1" quick connect	2	0.89
02	10440000174	V3150	WS1 Split Ring	2	0.29
03	10440000008	V3105	O-ring 215	2	0.27
Kit*	10440000273	V3007-14	WS1 Fitting 3/4" Plastic Male BSPT assy	Kit	9.18
Kit*	10440000248	V3007-06	WS1 Fitting 1" Plastic Male BSPT assy	Kit	9.18
Kit*	10440000097	V3007-08	WS1 Fitting 1.25" Plastic Male BSPT assy	Kit	9.48

* each kit consists of two fitting assemblies.

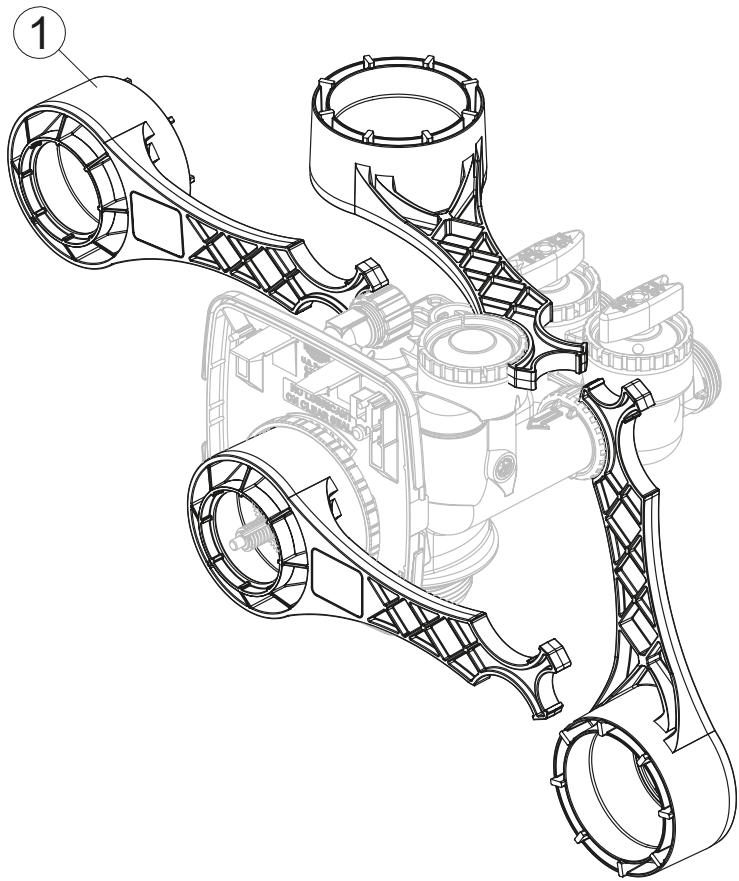
WS1 & WS1.25 - CONNECTIONS



nr	Reference	Search Name	Item Name	Qty	£
WS1 Fitting plastic male BSPT elbow assy					
01	10440000035	V3151	WS1 Nut 1" quick connect	2	0.89
02	10440000174	V3150	WS1 Split Ring	2	0.29
03	10440000008	V3105	O-ring 215	2	0.27
Kit	10440000200	V3007-16	WS1 Fitting 1" Plastic Male BSPT Elbow assy	Kit	5.80

* each kit consists of two fitting assemblies.

WS1 & WS1.25 - TOOLS

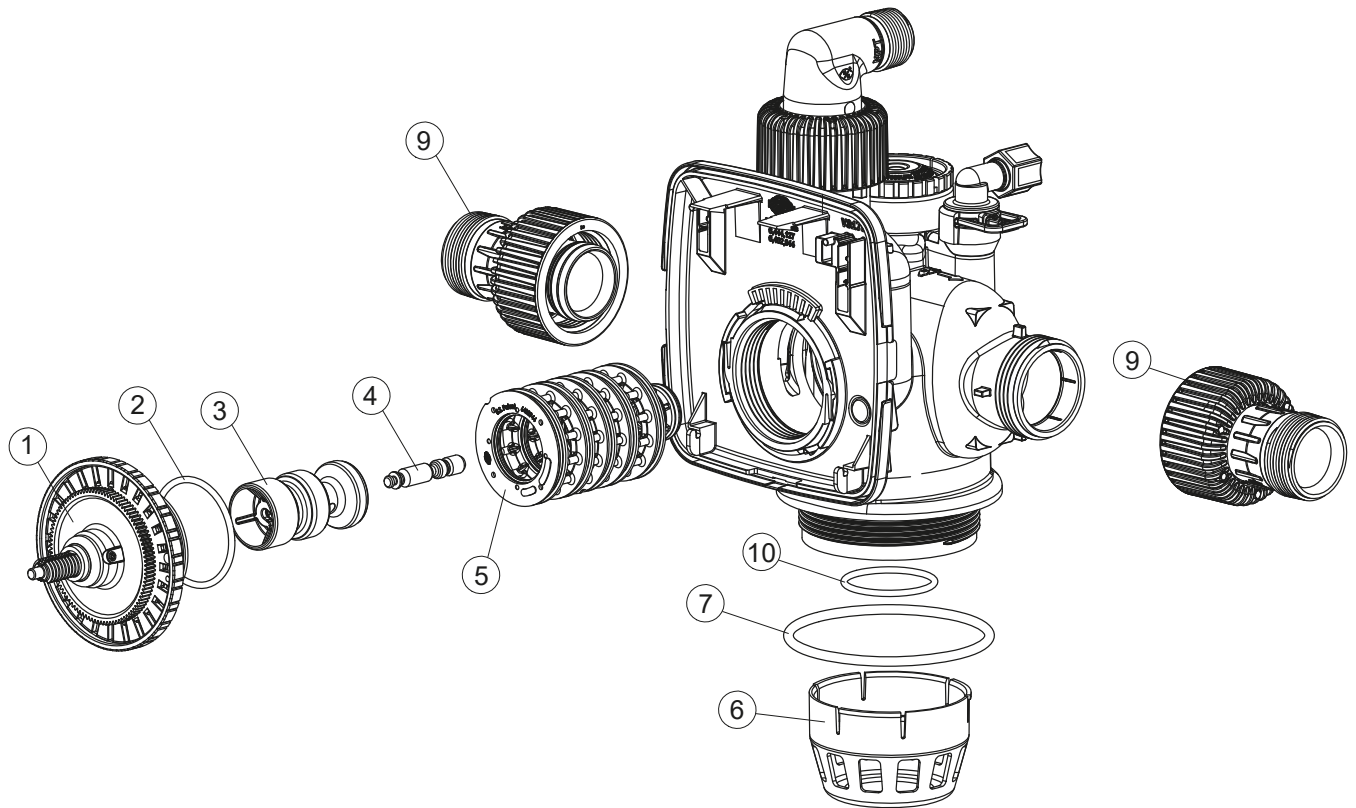


nr	Reference	Search Name	Item Name	Qty	£
01	10440000027	V3193-02	Service Spanner Wrench	1	9.00
N.S.	10440000100	V3022	WS1 Stack puller assembly	1	15.65
N.S.	10440000323	V3022-15	WS1.25/WS1.5 Stack puller assembly	1	16.34

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

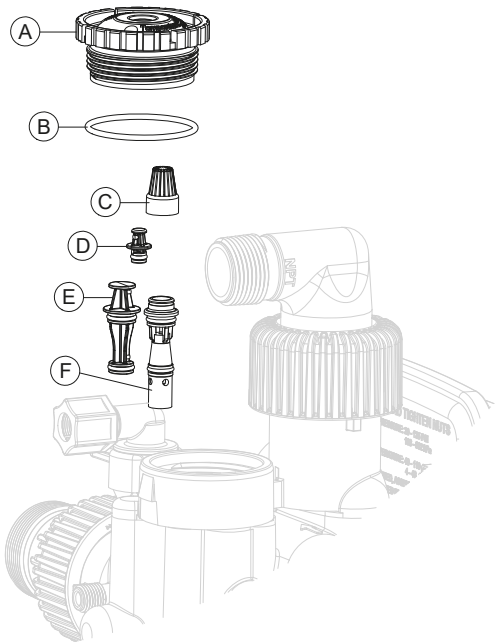
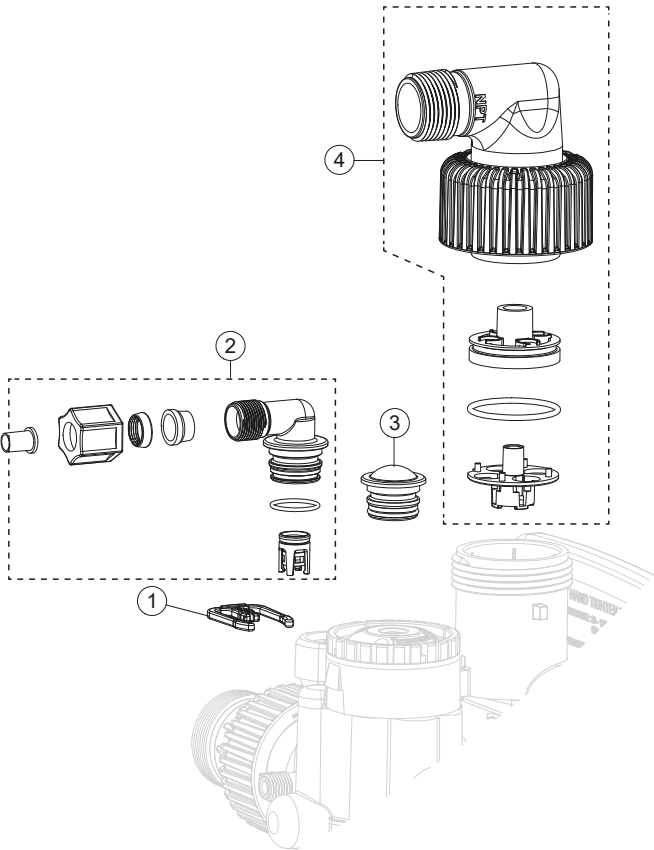


WS1.5 PLASTIC - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	10440000155	V3004	Drive Cap Assy	1	18.72
02	10440000300	V3135	O-ring 228	1	0.89
03	10440000232	V3407	WS1.25 & WS1.5 Piston Downflow	1	31.61
03	10440000074	V4042	WS1.25 & WS1.5 Piston Upflow	1	41.52
04 *	10440000020	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.62
05	10440000315	V3430-01	WS1.25 & WS1.5 Spacer Stack	1	45.27
06	10240000027	D1300	WS1.5 Top Baffle Diffuser	1	7.35
07	10440000162	V3419	O-ring 347	1	3.27
09	10440000077	V4430-02	WS1.5 Plastic Fitting Asy QC to BSPT	Option	17.71
09	10440000084	V4430-08	WS1.5 Plastic Fitting Elbow Asy QC to BSPT	Option	19.29
09	10440000241	V4430-03	WS1.5 Plastic Fitting Asy QC to QC	Option	16.01
09	10440000153	V4430-04BSPT	WS1.5 Plastic Drain Elbow & DLFC Retainer	Option	13.43
09	10440000208	V4430-09	WS1.5 Plastic Fitting Elbow Asy QC to QC	Option	
09	10440000408	V4430-12	WS1.5 Plastic Fitting Asy QC To BSPT SS	Option	
10	10440000030	V3441	O-ring 226	1	0.48

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

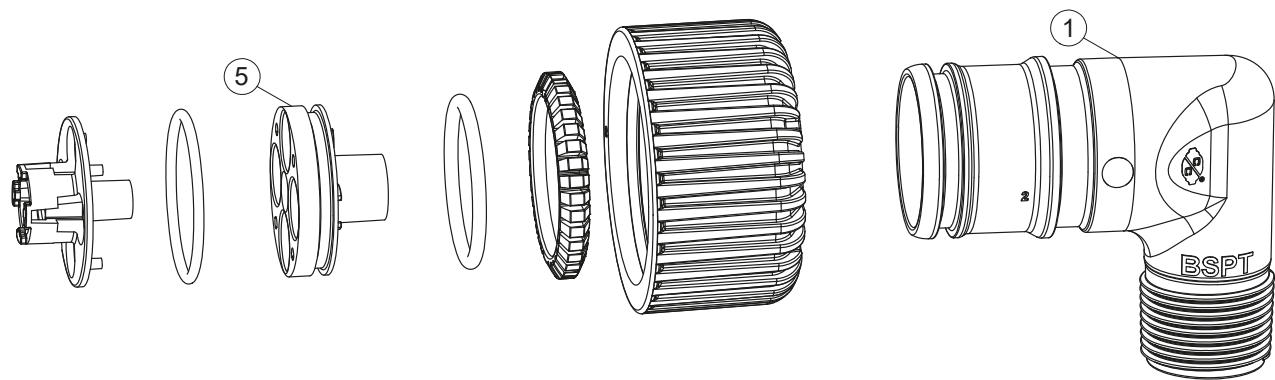
WS1.5 PLASTIC - INJECTOR & REFILL



WS1.5 PLASTIC - INJECTOR & REFILL

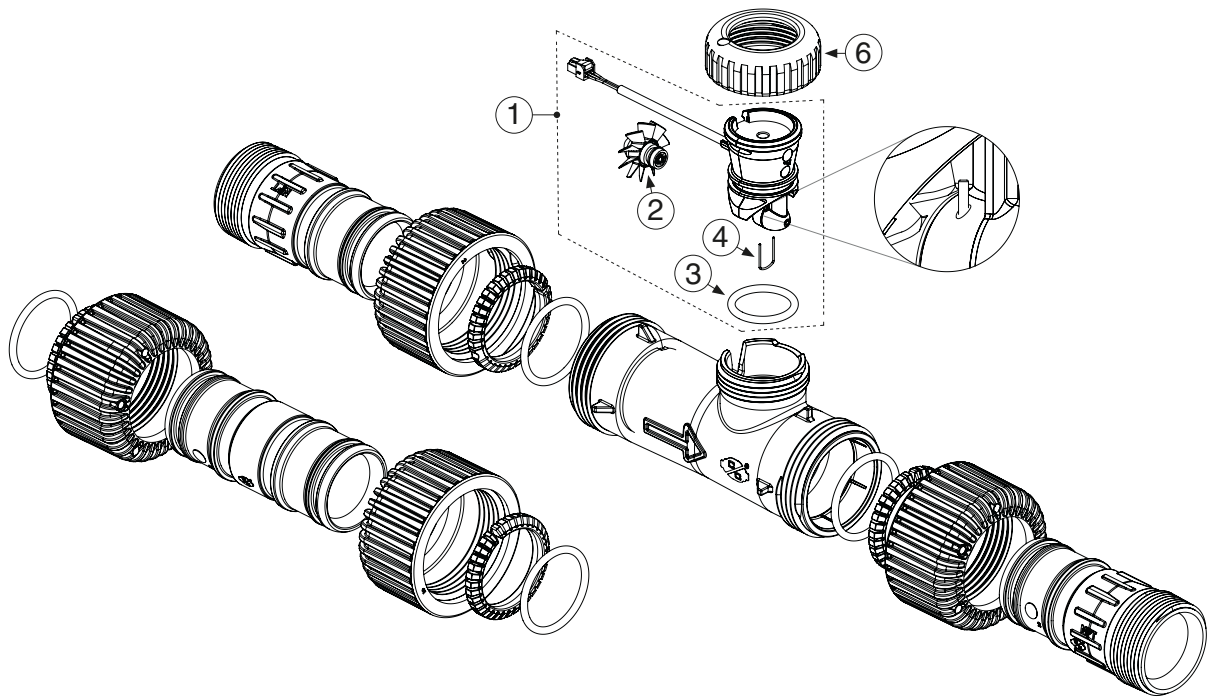
nr	Reference	Search Name	Item Name	Qty	£
01	10440000194	H4615	Elbow Locking Clip	1	0.31
02	10440000025	V3498	WS1.5 Brine Elbow Assembly with Refill Flow Control 1/2"	1	6.20
03	10440000127	V3195-01	WS1 Refill Port Plug Asy	1	4.12
04	10440000153	V4430-04BSPT	WS1.5 Plastic Drain Elbow & DLFC Retainer	1	13.43
A	10440000385	V4349	WS1.5 Injector Cap	1	1.37
B	10440000105	V3152	O-ring 135	1	0.65
C	10440000410	V4120	DV Injector Screen	1	0.41
D	10440000381	V4350-15Z	WS1.5 Plastic Injector Feed Plug	1	1.01
E	10440000069	V3010-15Z	WS1.5 injector assembly Z Plug	1 or 2	5.09
F	10440000224	V3010-1.5B	WS1.5 injector assembly B Violet	1	15.74
F	10440000266	V3010-1.5C	WS1.5 injector assembly C Red	1	15.74
F	10440000102	V3010-1.5D	WS1.5 injector assembly D White	1	15.74
F	10440000249	V3010-1.5E	WS1.5 injector assembly E Blue	1	15.74
F	10440000237	V3010-1.5F	WS1.5 injector assembly F Yellow	1	15.74
F	10440000036	V3010-1.5G	WS1.5 injector assembly G Green	1	15.74
F	10440000131	V3010-1.5H	WS1.5 injector assembly H Orange	1	15.74
F	10440000069	V3010-15Z	WS1.5 injector assembly Z Plug	1	5.09

WS1.5 PLASTIC - DRAIN LINE FLOW CONTROL 1”



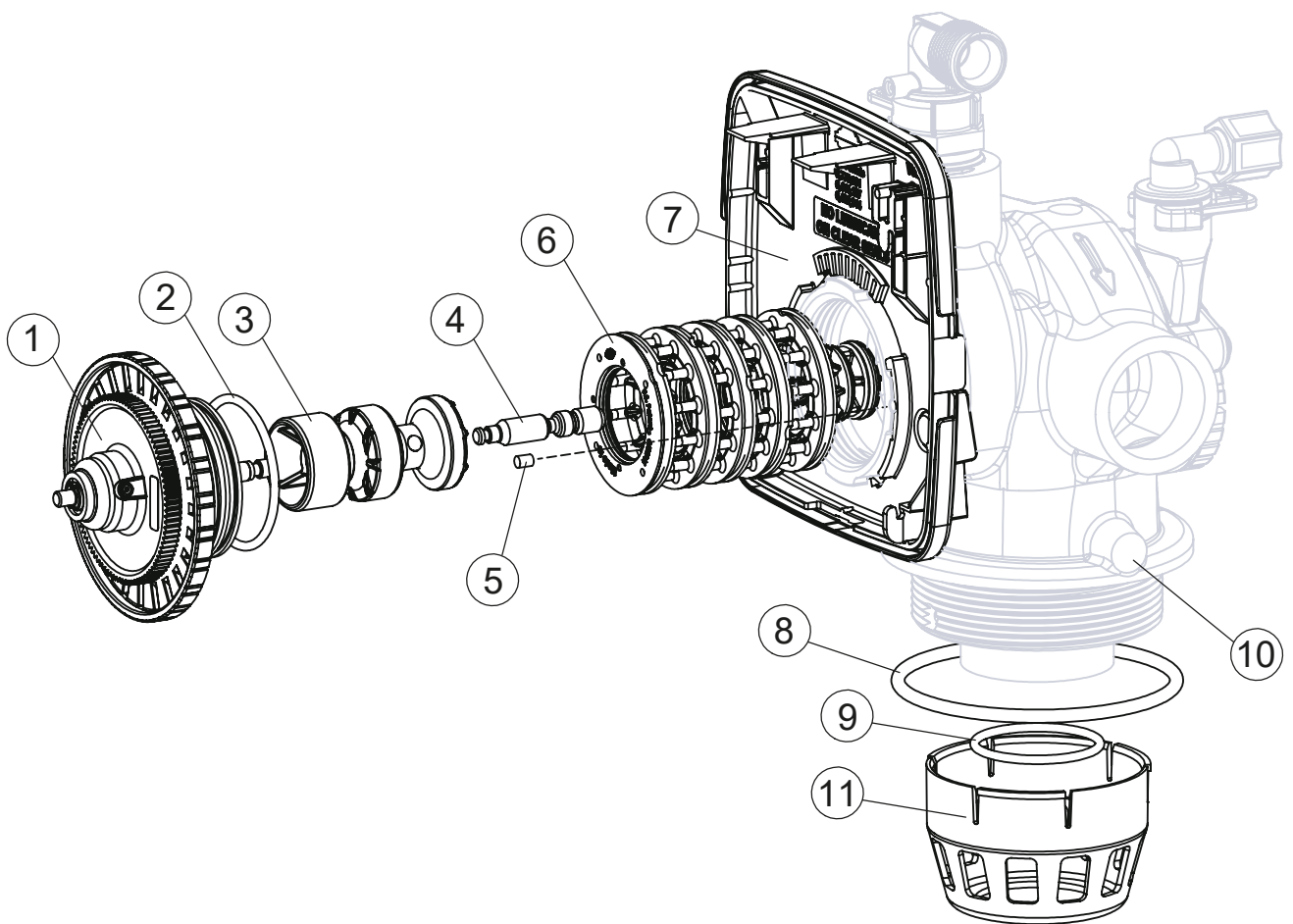
nr	Reference	Search Name	Item Name	Qty	£
01	10440000449	V4359	WS1.5 Plastic Drain Elbow 1” BSPT	1	3.71
05	10440000432	V4351	WS1.5 Plastic Flow Control Housing	1	1.65
Kit	10440000153	V4430-04BSPT	WS1.5 Plastic Drain Elbow & DLFC Retainer	1	13.43

WS1.5 PLASTIC - WATER METER



nr	Reference	Search Name	Item Name	Qty	£
01	10440000124	V3221	WS1.5/2/2H/3 Commercial Meter Assy 15' cable	1	75.74
02	10440000319	V3118-03	WS1.5/2 Turbine Assembly	1	15.83
03	10440000008	V3105	O-ring 215	1	0.27
04	10440000183	V3501	WS1.5/2 Turbine Clip	1	1.24
06	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
Kit	10440000222	V3045BSPT	WS1.5 Plastic Meter Asy BSPT	1	265.39
Kit	10440000228	V3045BSPT-15	WS1.5 Plastic Meter Asy BSPT - 4.5m cable	1	268.91
Kit	10440000188	V3045QC	WS1.5 Plastic Meter Asy QC	1	254.27
Kit	10440000171	V3045QC-15	WS1.5 Plastic Meter Asy QC - 4.5m cable	1	275.85

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



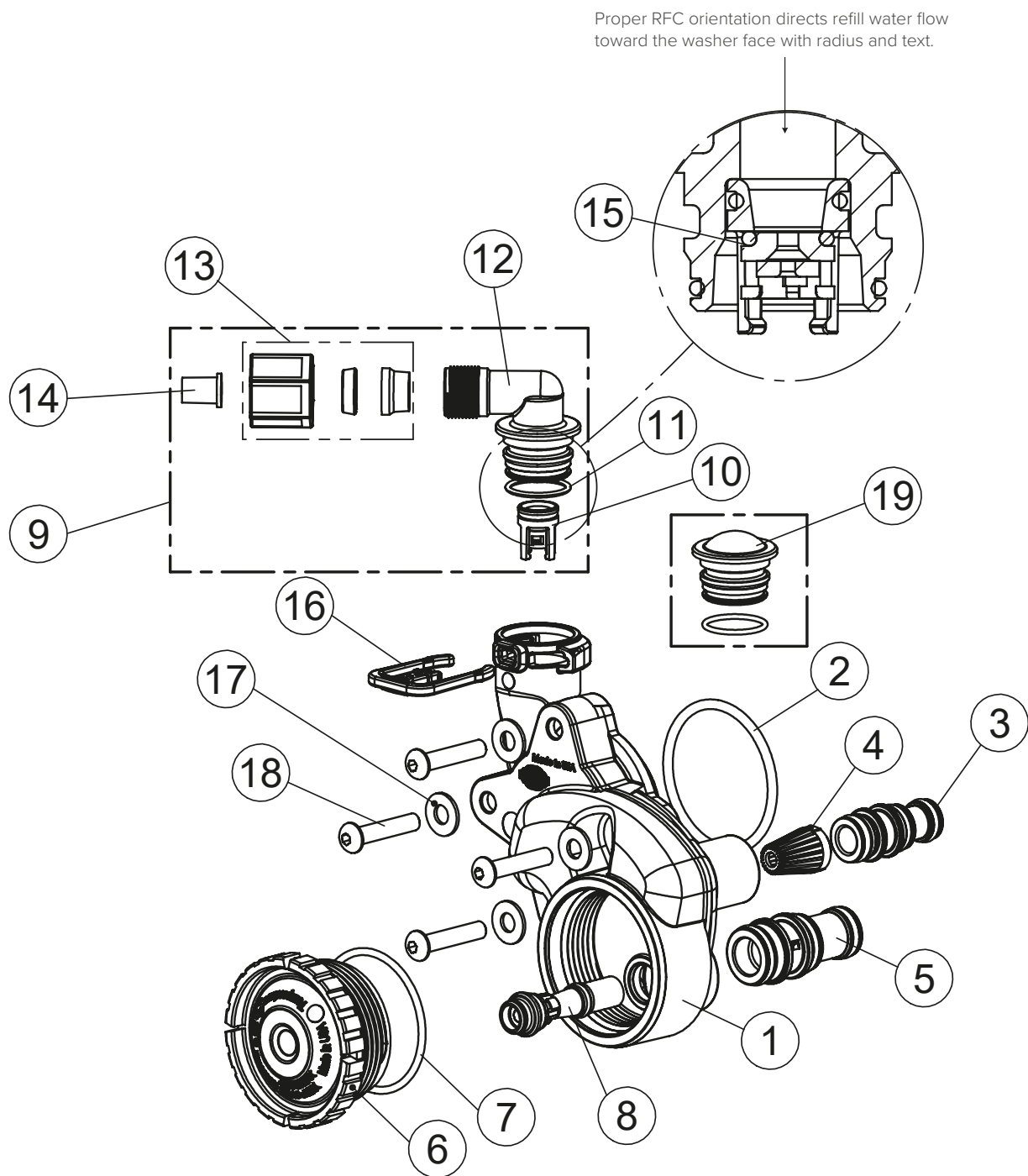
WS1.5 BRASS - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	10440000155	V3004	Drive Cap Assy	1	18.72
02	10440000300	V3135	O-ring 228	1	0.89
03	10440000232	V3407	WS1.25 & WS1.5 Piston Downflow	1	31.61
03	10440000074	V4042	WS1.25 & WS1.5 Piston Upflow	1	41.52
04*	10440000020	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.62
05	10440000043	V3423	WS1.5 Backplate Dowel	1	0.33
06	10440000315	V3430-01	WS1.25 & WS1.5 Spacer Stack	1	45.27
07	10440000195	V3178	WS1 Drive Back Plate	1	4.95
08	10440000162	V3419	O-ring 347	1	3.27
09	10440000030	V3441	O-ring 226	1	0.48
10**	10440000010	V3950BSPT-01	WS1.5 Body BSPT with V3419&V3465	1	462.84
11	10240000027	D1300	WS1.5 Top Baffle Diffuser	1	7.35
N.S.	10440000454	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	1	1.22

* 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

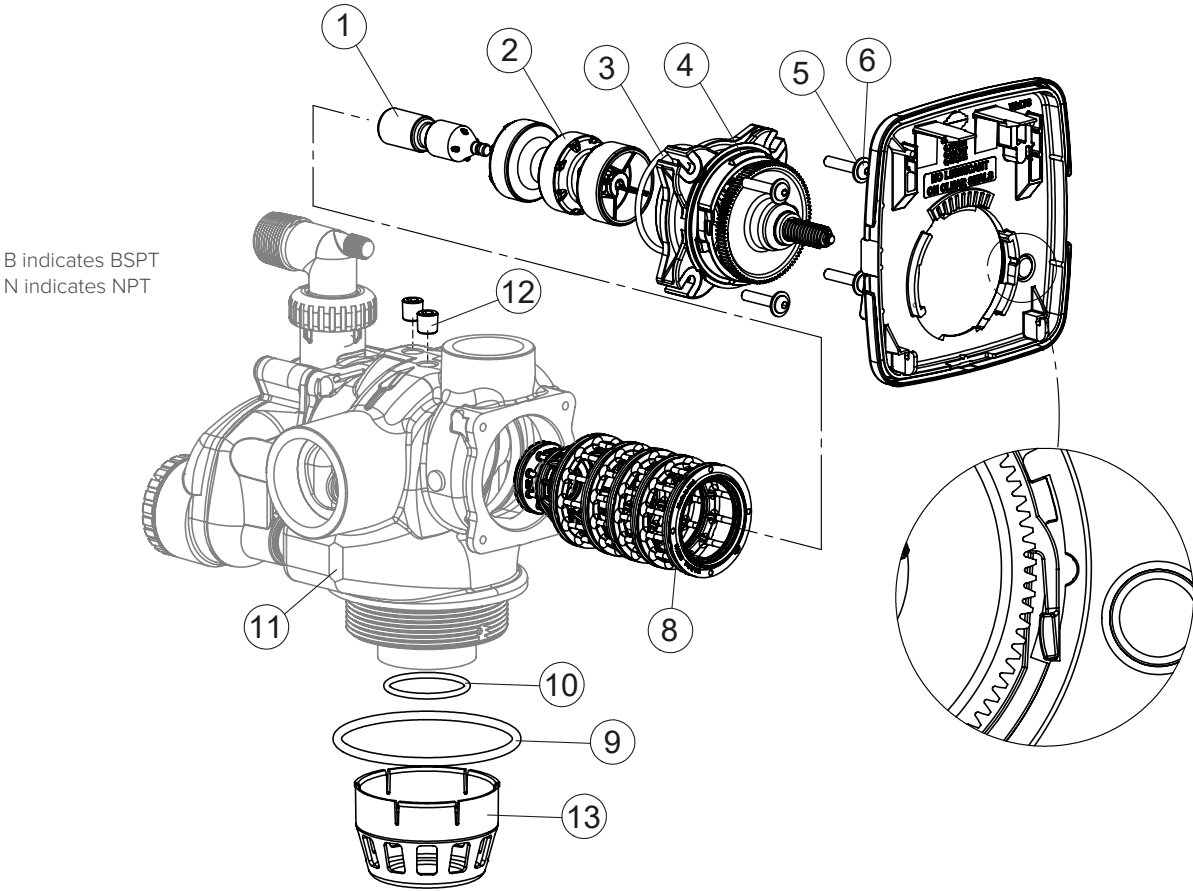
nr	Reference	Search Name	Item Name	Qty	£
01	10440000199	V3967	WS15 Injector body asy Gen.2	1	11.59
02	10440000030	V3441	O-ring 226	1	0.48
03**	10440000014	V3968	WS1.5 Injector Feed Tube Downflow	1	3.04
03**	10440000231	V3968-01	WS1.5 Injector Feed Tube Up flow	1	11.21
04	10440000318	V3176-01	WS1 Injector Cap Asy (O-Ring 135, Sreen, Cap)	1	2.97
05***	10440000022	V3969	WS15. Injector Draw Tube asy Down Flow (black)	1	3.41
05***	10440000044	V3969-01	WS15. Injector Draw Tube asy Up Flow (Grey)	1	11.61
06	10440000385	V4349	WS1.5 Injector Cap	1	1.37
07	10440000105	V3152	O-ring 135	1	0.65
08	10440000224	V3010-1.5B	WS1.5 injector assembly B Violet	1	15.74
08	10440000266	V3010-1.5C	WS1.5 injector assembly C Red	1	15.74
08	10440000102	V3010-1.5D	WS1.5 injector assembly D White	1	15.74
08	10440000249	V3010-1.5E	WS1.5 injector assembly E Blue	1	15.74
08	10440000237	V3010-1.5F	WS1.5 injector assembly F Yellow	1	15.74
08	10440000036	V3010-1.5G	WS1.5 injector assembly G Green	1	15.74
08	10440000131	V3010-1.5H	WS1.5 injector assembly H Orange	1	15.74
08	10440000069	V3010-1.5Z	WS1.5 injector assembly Z Plug	1	5.09
09*	10440000025	V3498	WS1.5 Brine Elbow Assembly with Refill Flow Control 1/2"	1	6.20
10*	10440000219	V3428	WS1.5 Refill Retainer Asy	1	4.26
11	10440000091	V3163	O-ring 019	1	0.26
12	10440000012	H4612-01	Elbow Cap 1/2"	1	1.97
13	10440000085	JCPG-8PBLK	Nut 1/2" Compression	1	0.48
14	10440000070	JCP-P-8	Polytube Insert 1/2"	1	0.26
15	10440000251	V3182	WS1 Refill Flow Control (0.5 gpm)	1	0.77
16	10440000194	H4615	Elbow Locking Clip	1	0.31
17	10440000218	V3724	Washer Flat SS 1/4	4	0.15
18	10440000051	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.65
19	10440000127	V3195-01	WS1 Refill Port Plug Asy	1	4.12

* 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



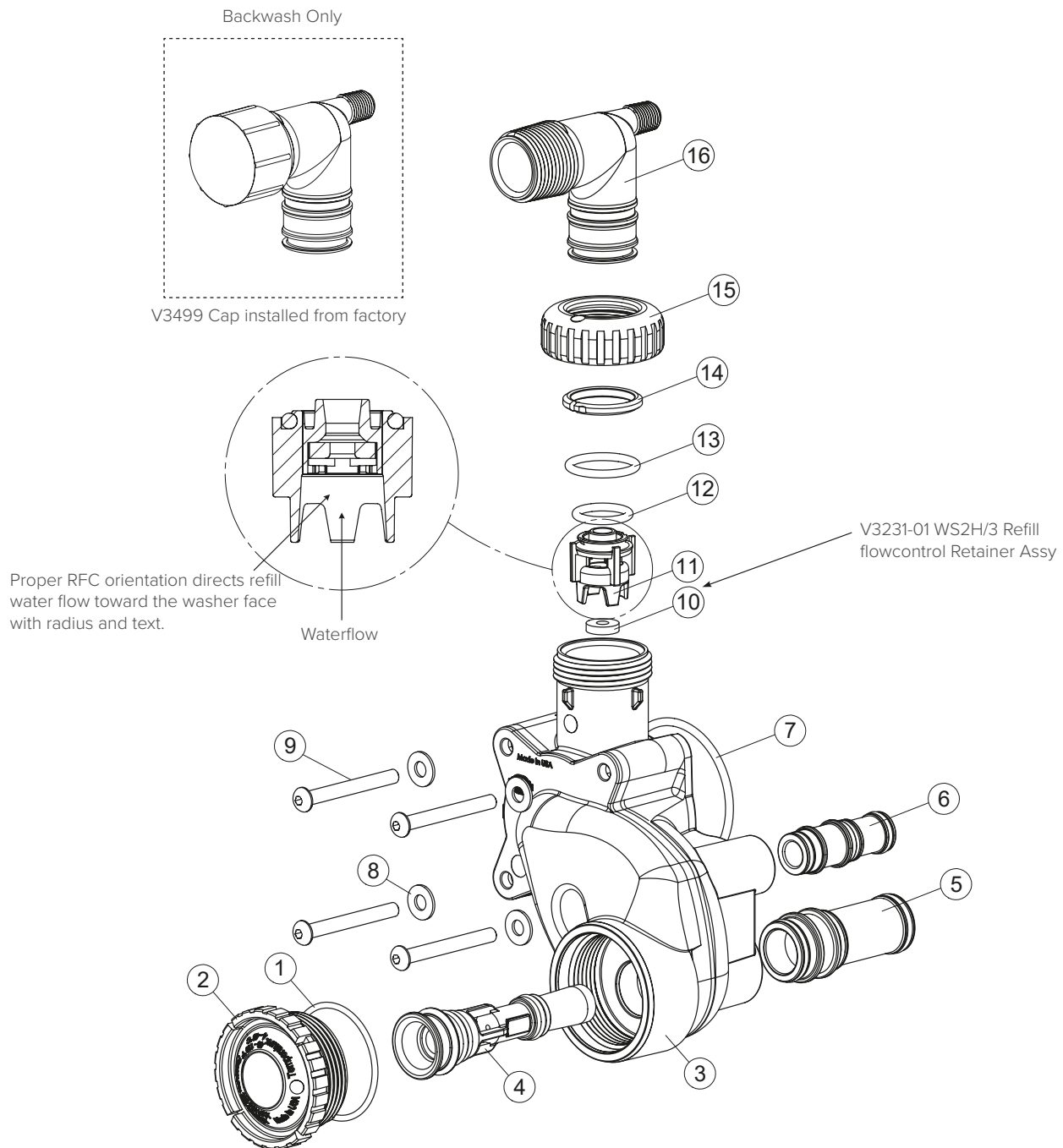
WS2 - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01 *	10440000086	V3726	WS2 Brine Piston	1	17.53
02	10440000112	V3725	WS2 Piston Downflow	1	36.60
02	10440000128	V4059	WS2 Piston Upflow	1	36.74
03	10440000309	V3452	O-ring 230	1	0.92
04	10440000151	V3728	WS2 Drive Cap Assembly	1	41.74
05	10440000218	V3724	Washer Flat SS 1/4	4	0.15
06	10440000051	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.65
08	10440000230	V3729	WS2 Spacer Stack Downflow	1	51.07
08	10440000286	V3729-01	WS2 Spacer Stack Upflow	1	59.20
09	10440000162	V3419	O-ring 347	1	3.27
10	10440000030	V3441	O-ring 226	1	0.48
11 *	10440000399	V3700BSPT-01	WS2 Body Downflow BSPT Threads	1	868.37
12	10440000454	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	2	1.22
13	10240000027	D1300	WS1.5 Top Baffle Diffuser	1	7.35

* 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



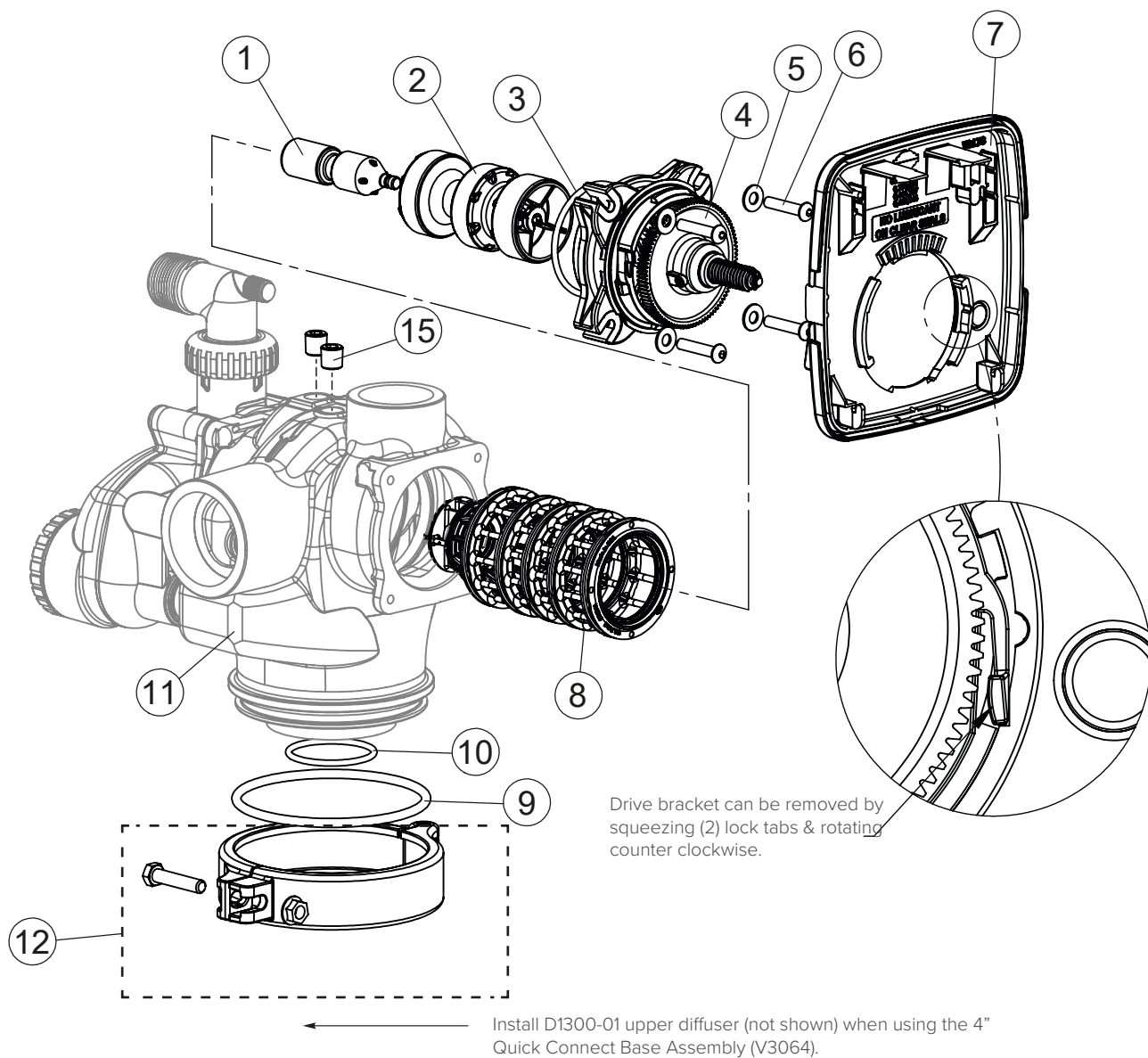
* Any V3162-XXX flow control may be used. WS2 valves are shipped with a V3162-022 (2.2 gpm) flow control. Flow control sizes range from 0.7 up to 10 gpm.

*** 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	10440000106	V3477	WS2 Injector Cap	1	3.50
02	10440000105	V3152	O-ring 135	1	0.65
03	10440000400	V3727	WS2 Injector Body Assembly	1	26.78
04	10440000071	V3010-2A	WS2/WS2H injector assembly A	1	19.14
04	10440000244	V3010-2B	WS2/WS2H injector assembly B	1	19.14
04	10440000107	V3010-2C	WS2/WS2H injector assembly C	1	19.14
04	10440000019	V3010-2D	WS2/WS2H injector assembly D	1	19.14
04	10440000207	V3010-2E	WS2/WS2H injector assembly E	1	19.14
04	10440000136	V3010-2F	WS2/WS2H injector assembly F	1	19.14
04	10440000254	V3010-2G	WS2/WS2H injector assembly G	1	19.14
04	10440000305	V3010-2H	WS2/WS2H injector assembly H	1	35.52
N.S.	10440000076	V3010-2R-15B	WS2/2H Injector R modified assembly with V3010-1	1	27.96
N.S.	10440000270	V3010-2S-15C	WS2/2H Injector S modified assembly with V3010-1	1	26.89
N.S.	10440000144	V3010-2T-15D	WS2/2H Injector T modified assembly with V3010-1	1	26.89
N.S.	10440000034	V3010-2U-15E	WS2/2H Injector U modified assembly with V3010-1	1	26.89
05	10440000037	V3731	WS2 Injector Draw Tube Assy DF	1	4.43
05	10440000042	V3731-01	WS2 draw tube grey in color	1	7.19
06	10440000137	V3730	WS2 Injector Feed Tube Assy DF	1	4.12
06	10440000021	V3730-01	WS2 feed tube grey in color	1	6.99
07	10440000365	V3315	O-ring 231	1	1.61
08	10440000218	V3724	Washer Flat SS 1/4	1	0.15
09	10440000457	V3643	Bolt BHCS SS 1/4-20 x 2.25	4	1.06
10 *	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	4	1.39
11	10440000123	V3231-01	WS2 Refill Flow Control Retainer	1	3.11
12	10440000040	V3277	O-ring 211	1	0.41
13	10440000008	V3105	O-ring 215	1	0.27
14	10440000174	V3150	WS1 Split Ring	1	0.29
15	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
16	10440000282	V3149	WS1 Fitting 1" PVC Male NPT Elbow	1	1.78
N.S. **	10540000023	H4915	FTG KIT 494 BV 1/2 Polytube	Optional	3.27
N.S.	10440000366	V3499	WS2H/3 Fitting Cap 1" Threaded	Optional	2.45

WS2QC - DRIVE CAP, PISTONS & SPACER STACK



WS2QC - DRIVE CAP, PISTONS & SPACER STACK

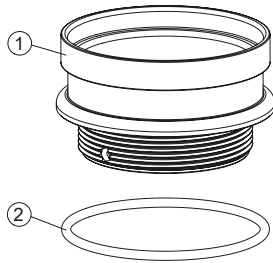
nr	Reference	Search Name	Item Name	Qty	£
01 **	10440000086	V3726	WS2 Brine Piston	1	17.53
02	10440000112	V3725	WS2 Piston Downflow	1	36.60
02	10440000128	V4059	WS2 Piston Upflow	1	36.74
03	10440000309	V3452	O-ring 230	1	0.92
04	10440000151	V3728	WS2 Drive Cap Assembly	1	41.74
05	10440000218	V3724	Washer Flat SS 1/4	4	0.15
06	10440000051	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.65
07	10440000195	V3178	WS1 Drive Back Plate	1	4.95
08	10440000230	V3729	WS2 Spacer Stack Downflow	1	51.07
08	10440000286	V3729-01	WS2 Spacer Stack Upflow	1	59.20
09	10440000456	V3279	O-ring 346	1	2.55
10	10440000202	V3280	O-ring 332	1	1.37
10	10440000309	V3452	O-ring 230	1	0.92
11***	10440000038	V3737BSPT-01	WS2 QC Body BSPT	1	968.57
12*	10440000327	V3054	WS2 4" Base Clamp Assembly	1	49.64
15	10440000454	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	1	1.22
N.S.	10440000455	D1300-01	WS2 Top Baffle Diffuser 63mm	1	21.77

* 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

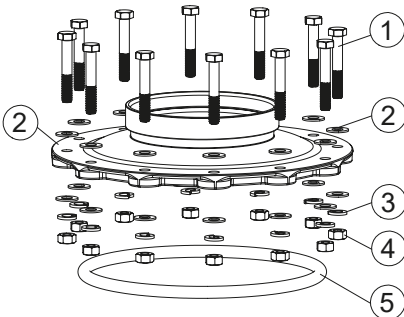
** V3726 WS2 brine piston must also be used for backwash only valves

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

WS2QC - TANK ADAPTERS

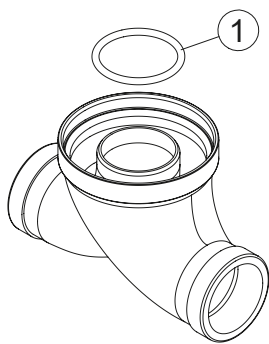


nr	Reference	Search Name	Item Name	Qty	£
4" Base assy					
01	10440000160	V3202-01	WS2 Base	1	104.51
02	10440000162	V3419	O-ring 347	1	3.27
Kit	10440000284	V3064	WS2HF/2QC Top mount base - 4" TM	1	102.66



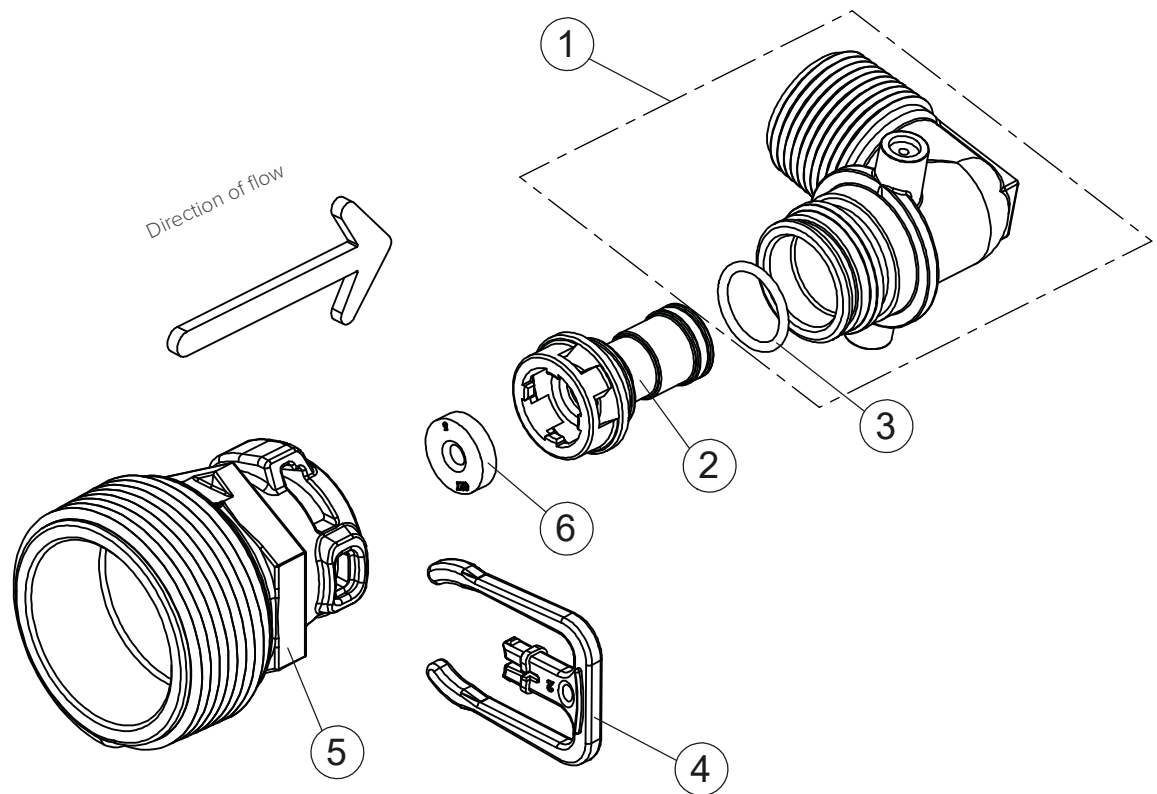
nr	Reference	Search Name	Item Name	Qty	£
Flange base assy					
01	10440000101	V3444	WS2H/2QC Screw Hex Cap 5/16 - 18 x 2 SS	12	1.35
02	10440000268	V3293	WS2 Washer SS 5/16 Flat	24	0.10
03	10440000321	V3445	WS2H/2QC Washer Split Lock 5/16 SS	12	0.19
04	10440000298	V3447	WS2H/2QC Nut Hex 5/16 - 8 Full SS	12	0.47
05	10440000180	COR60FL	O-ring 6" Flange Adapter	1	12.27
Kit	10440000264	V3055	WS2HF/2QC flange base - 6" TM	1	179.92

WS2QC - TANK ADAPTERS



nr	Reference	Search Name	Item Name	Qty	£
Side mount base BSPT					
01	10440000202	V3280	O-ring 332	1	1.37
Kit	10440000079	V3260BSPT-02	WS2HF/2QC side mount base - 4" SM	1	262.00

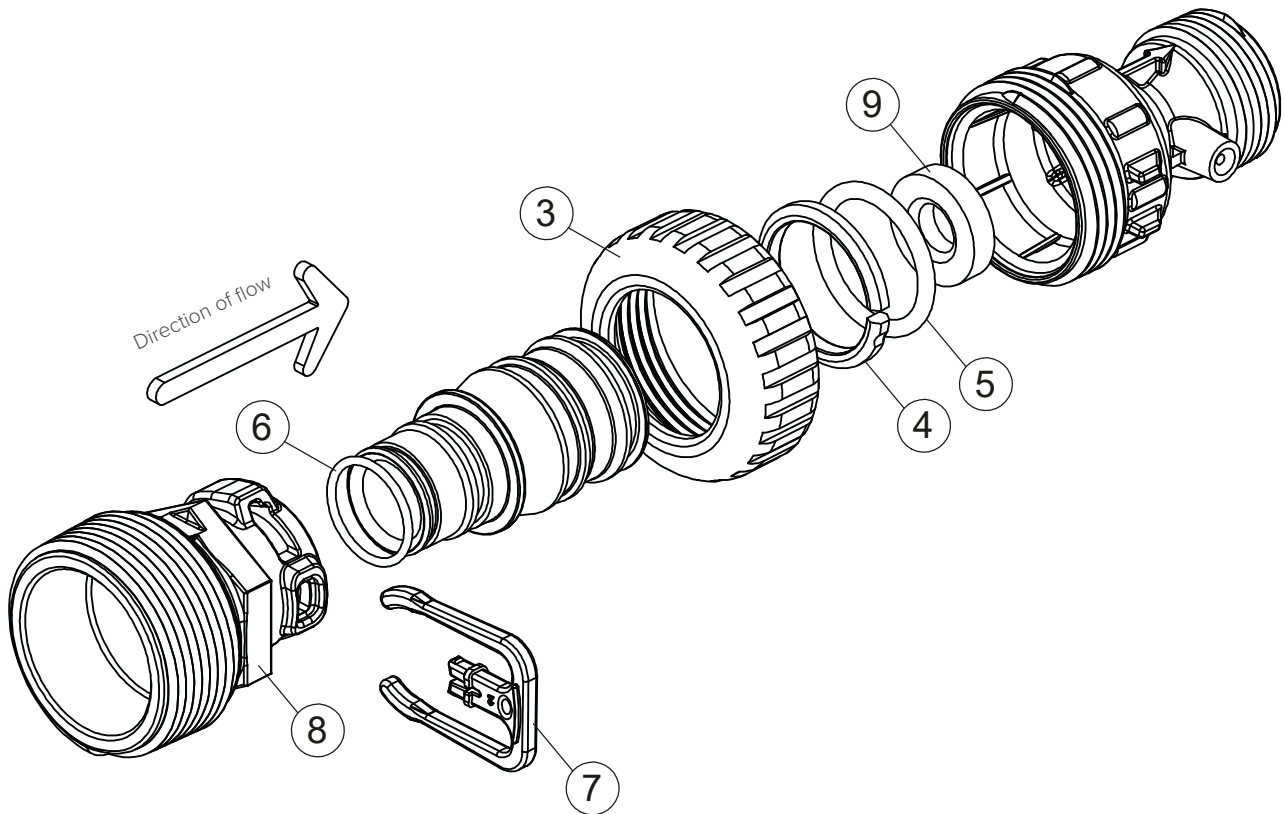
WS1.5 BRASS & WS2 - DRAIN LINE FLOW CONTROL 3/4" (0.7 - 10 GPM)



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

nr	Reference	Search Name	Item Name	Qty	£
01	10440000306	V3158-03	WS1 Drain Elbow 3/4" Male Asy No Silencer	1	1.17
02	10440000198	V3159-01	WS1 DLFC Retainer Asy	1	1.11
03	10440000091	V3163	O-ring 019	1	0.26
04	10440000194	H4615	Elbow Locking Clip	1	0.31
05	10440000201	V3983	WS2 DLFC Adapter	1	3.13
05	10440000058	V3414	WS1.5 DLFC Adapter	1	3.34
06	10440000168	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	1	1.39
06	10440000310	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	1	1.39
06	10440000052	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	1	1.39
06	10440000165	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	1	1.39
06	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	1	1.39
06	10440000313	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	1	1.39
06	10440000187	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	1	1.39
06	10440000090	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	1	1.37
06	10440000080	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	1	1.39
06	10440000141	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	1	1.39
06	10440000215	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	1	1.39
06	10440000159	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	1	1.39
06	10440000054	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	1	1.39
Kit	10440000111	V3158-04	WS2 Drain Elbow 3/4"	1	14.71

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

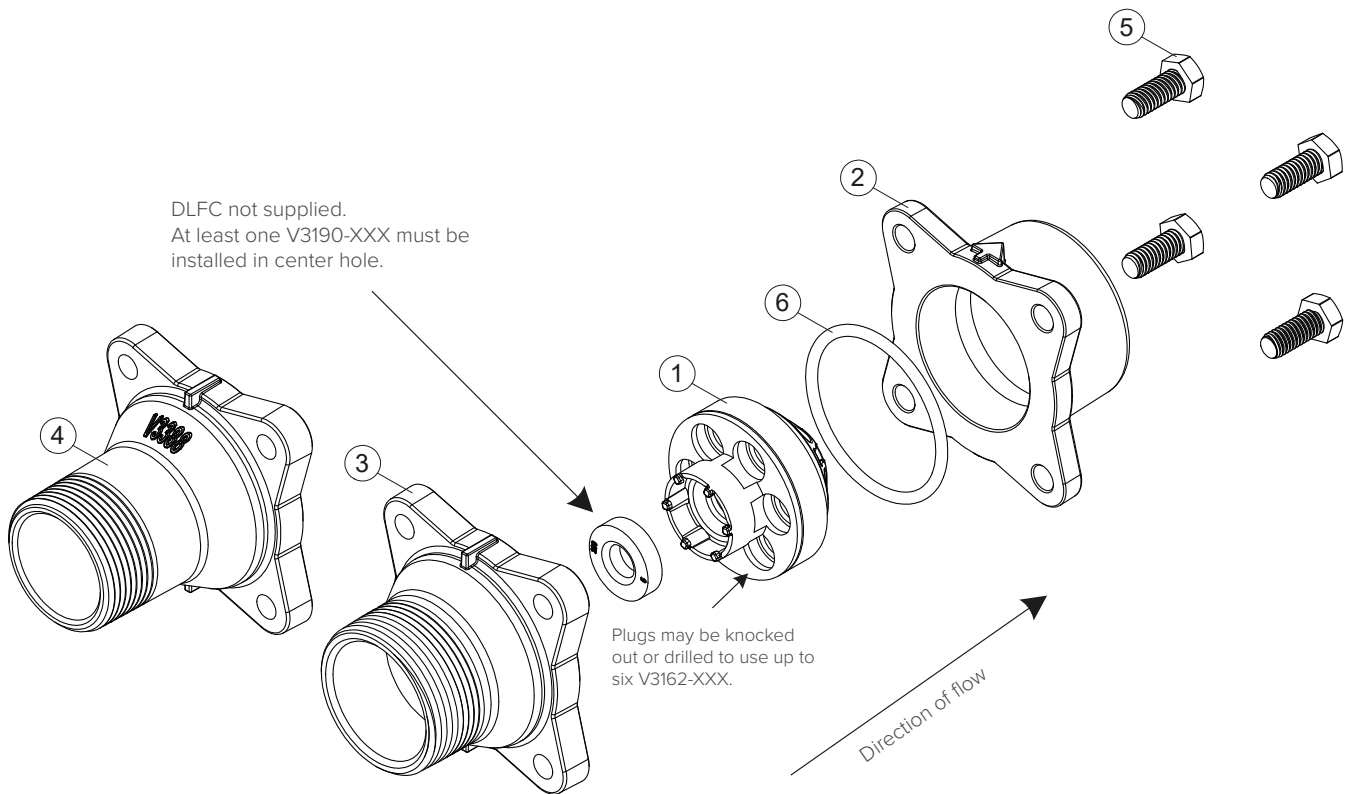


WS1.5 BRASS & WS2 - DRAIN LINE FLOW CONTROL 1" (9 - 25 GPM)

nr	Reference	Search Name	Item Name	Qty	£
03	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
04	10440000174	V3150	WS1 Split Ring	1	0.29
05	10440000008	V3105	O-ring 215	1	0.27
06	10440000091	V3163	O-ring 019	1	0.26
07	10440000194	H4615	Elbow Locking Clip	1	0.31
08	10440000201	V3983	WS2 DLFC Adapter	1	3.13
08	10440000058	V3414	WS1.5 DLFC Adapter	1	3.34
09	10440000120	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	1	3.57
09	10440000135	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	1	3.61
09	10440000220	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	1	3.61
09	10440000132	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	1	3.61
09	10440000259	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	1	3.61
09	10440000287	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	1	3.61
09	10440000009	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	1	3.61
09	10440000026	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	1	3.61
Kit*	10440000295	V3008-02	WS1 Drain Fitting 1" Straight with Check Valve	1	11.59
Kit*	10440000263	V3008-04	WS1 Drain Fitting 1" Straight without Silencer	1	10.81
Kit	10440000328	V3008-05	WS2 Drain Fitting 1" male BSP straight without silencer	1	19.21

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

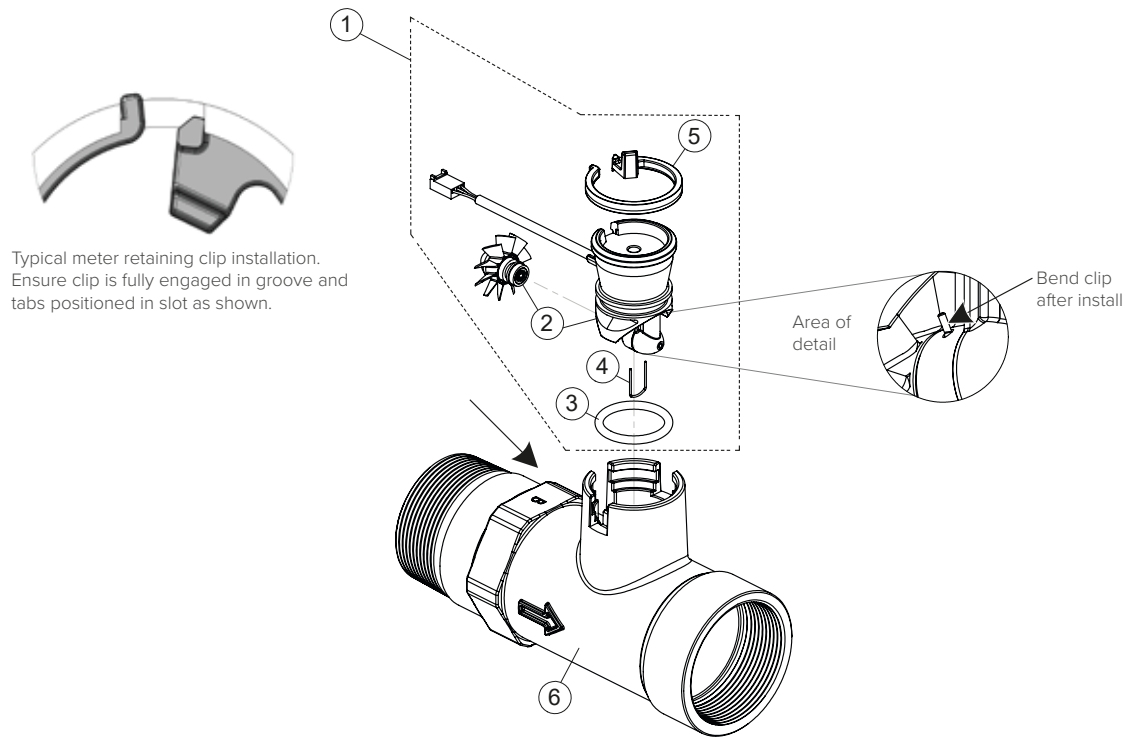
WS1.5 BRASS & WS2 - STAINLESS STEEL DRAIN LINE FLOW CONTROL (9 - 85 GPM)



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

nr	Reference	Search Name	Item Name	Qty	£
01	10440000166	V3081	WS1.5 Retainer DLFC Assembly	1	15.03
02	10440000448	V3645BSPT	WS1.5 DLFC Flange Outlet F BSPT	1	39.44
03	10440000023	V3646	WS1.5 DLFC Flange Inlet M NPT	1	40.03
04	10440000447	V3388	WS1.25 DLFC Flange Inlet M NPT	1	48.38
05	10440000451	V3652	Bolt Hex Head SS HCS 5/16-18 x 3/4	4	0.78
06	10440000030	V3441	O-ring 226	1	0.48
07	10440000168	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	1	1.39
07	10440000310	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	1	1.39
07	10440000052	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	1	1.39
07	10440000165	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	1	1.39
07	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	1	1.39
07	10440000313	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	1	1.39
07	10440000187	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	1	1.39
07	10440000090	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	1	1.37
07	10440000080	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	1	1.39
07	10440000141	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	1	1.39
07	10440000215	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	1	1.39
07	10440000159	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	1	1.39
07	10440000054	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	1	1.39
08	10440000120	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	1	3.57
08	10440000135	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	1	3.61
08	10440000220	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	1	3.61
08	10440000132	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	1	3.61
08	10440000259	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	1	3.61
08	10440000287	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	1	3.61
08	10440000009	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	1	3.61
08	10440000026	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	1	3.61

WS1.5 BRASS & WS2 - WATER METER

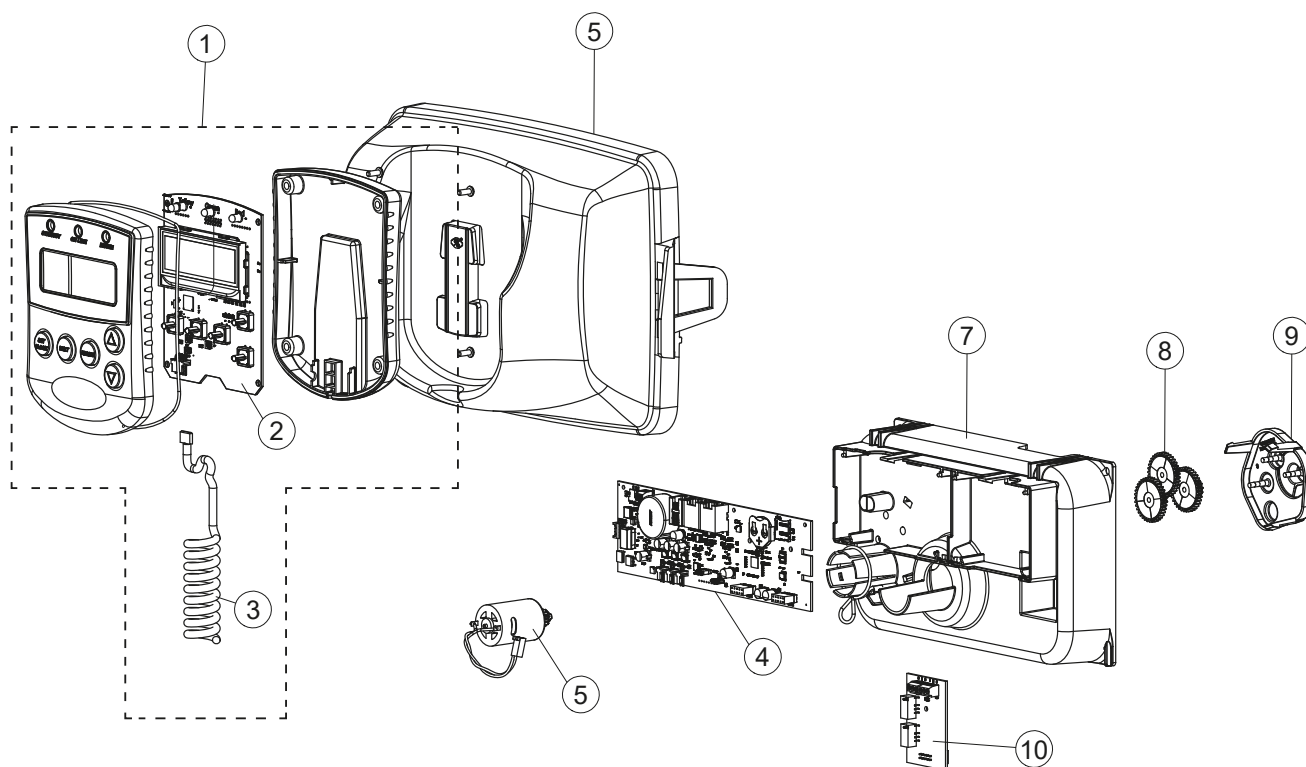


nr	Reference	Search Name	Item Name	Qty	£
01	10440000096	V3003-06	WS1.5/2/2H/3 Commercial Meter Assy 28" cable	1	65.02
01	10440000124	V3221	WS1.5/2/2H/3 Commercial Meter Assy 15' cable	1	75.74
02	10440000319	V3118-03	WS1.5/2 Turbine Assembly	1	15.83
03	10440000008	V3105	O-ring 215	1	0.27
04	10440000183	V3501	WS1.5/2 Turbine Clip	1	1.24
05	10440000075	V3632	WS1.5/2/3 Meter Retaining Clip	1	2.79
06	10440000452	V3754BSPT-01	WS2 Meter Housing Male x Female BSPT	1	297.92
N.S.	10440000048	V3437	WS1.5 Flow Straightener	1	2.22
N.S.	10440000450	V3488	WS2 Flow Straightener	1	15.19
Kit	10440000072	V3040BSPT	WS1.5 Meter Asy BSPT	1	340.25
Kit	10440000163	V3040BSPT-15	WS1.5 Meter Asy BSPT - 4.5m cable	1	358.81
Kit	10440000250	V3094BSPT	WS2 Meter Asy BSPT (male x female)	1	348.28
Kit	10440000130	V3094BSPT-15	WS2 Meter Asy BSPT (male x female) - 4.5m cable	1	352.21

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*	10440000336	V3082-01	WS2H/3 Graphics POD Asy with board	Optional	294.55
02	10440000384	V3241-02BOARD	WS2H/3 Graphics POD replacement board	1	164.29
03	10440000337	V3248-01	WS2H/3 Graphics POD Cable	1	10.09
04	10440000388	V3242-03BOARD	WS2H/3 Valve with Modbus Replacement PCB	1	354.96
05	10440000444	V3224-01R	WS2 Front Cover Assembly Platinum	1	31.93
06	10440000243	V3107-01	Motor 12V	1	10.09
07	10440000396	V3226-01	WS2 Drive Bracket Assembly	1	13.80
08	10440000303	V3110	Drive Gear 12x36	3	1.01
09	10440000317	V3109	Drive Gear Cover	1	1.73
10	10440000143	V4427	WS2HF/3 PCB Relay Expansion Kit	Optional	65.51
N.S.	10440000028	V3461EU-02	WS2HF/3 24VDC 0.8A EU Power Supply	1	22.79
N.S.	10440000386	V3461UK-02	WS2H/3 24VDC 0.8A UK Power Supply	1	34.27

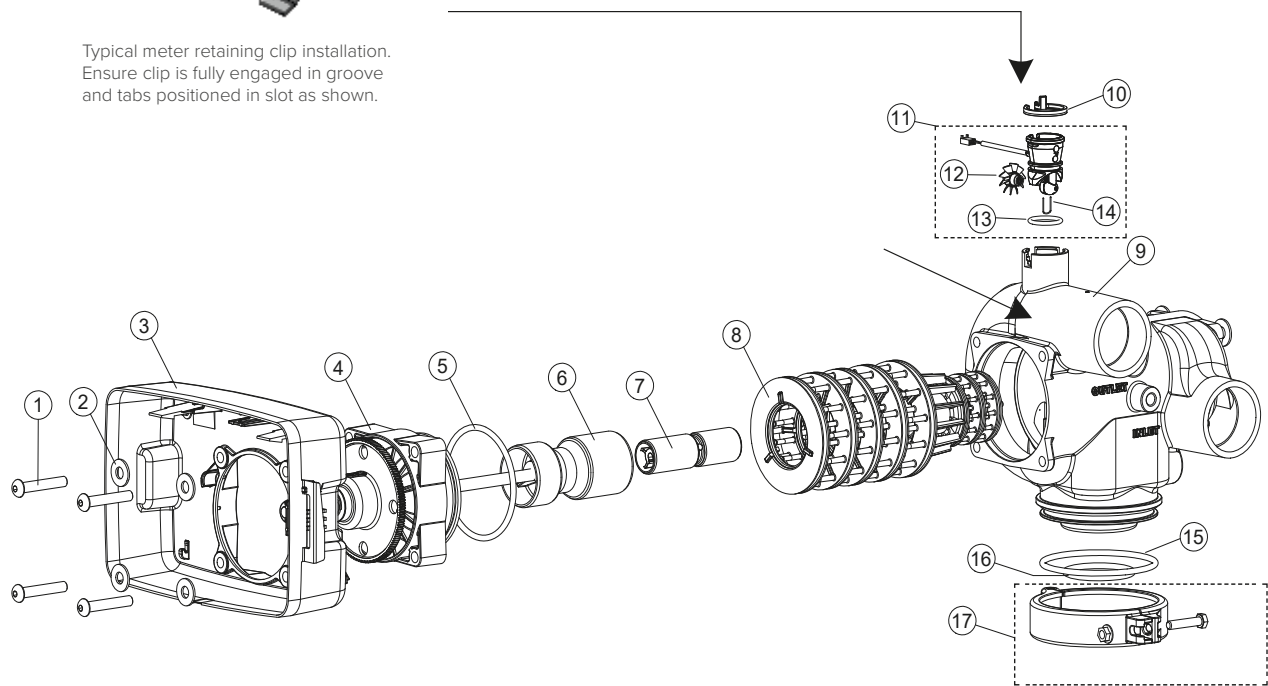
* Contains items 1,2 & 3 Pod Assembly, PC Board and Cable

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

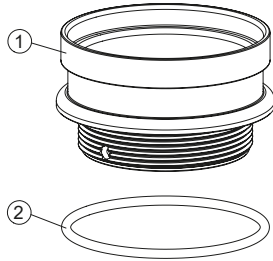
nr	Reference	Search Name	Item Name	Qty	£
01	10440000442	V3275	WS2 Screw BSHD SS 3/8 - 16 x 2 1/4	4	2.49
02	10440000443	V3291	WS2 Washer SS 3/8	4	0.18
03	10440000256	V3225	WS2 Back Plate	1	22.08
04	10440000185	V3066	WS2 Drive Assembly	1	168.45
05	10440000209	V3289	O-ring 344	1	2.51
06	10440000158	V3204-01	WS2H Piston	1	62.29
07***	10440000311	V3238-01	WS2H/3 Brine Piston	1	46.11
08	10440000140	V3065	WS2H Spacer Stack Assembly	1	105.17
09	10440000373	V3201-03	WS2H Body with V3468 Plug	1	1,309.17
10*	10440000075	V3632	WS1.5/2/3 Meter Retaining Clip	1	2.79
11	10440000096	V3003-06	WS1.5/2/2H/3 Commercial Meter Assy 28" cable	1	65.02
12	10440000319	V3118-03	WS1.5/2 Turbine Assembly	1	15.83
13	10440000008	V3105	O-ring 215	1	0.27
14	10440000183	V3501	WS1.5/2 Turbine Clip	1	1.24
15	10440000456	V3279	O-ring 346	1	2.55
16	10440000202	V3280	O-ring 332	1	1.37
16	10440000309	V3452	O-ring 230	1	0.92
17**	10440000327	V3054	WS2 4" Base Clamp Assembly	1	49.64
N.S.	10440000454	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	2	1.22
N.S.	10440000455	D1300-01	WS2 Top Baffle Diffuser 63mm	1	21.77

* 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.

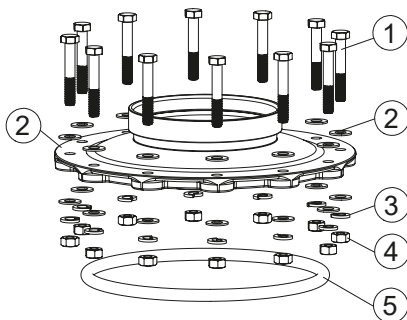
** V3054 WS2 4" Base clamp assy includes a V3276 WS2 bolt hex SS 5/16-18X1-3/4 and V3269 WS2 Nut 5/16-18 SS Hex

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

WS2H - TANK ADAPTERS

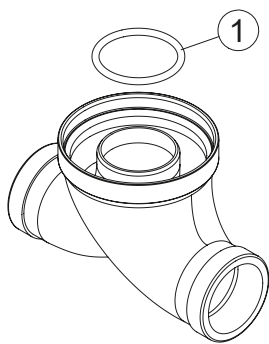


nr	Reference	Search Name	Item Name	Qty	£
4" Base assy					
01	10440000160	V3202-01	WS2 Base	1	104.51
02	10440000162	V3419	O-ring 347	1	3.27
Kit	10440000284	V3064	WS2HF/2QC Top mount base - 4" TM	1	102.66



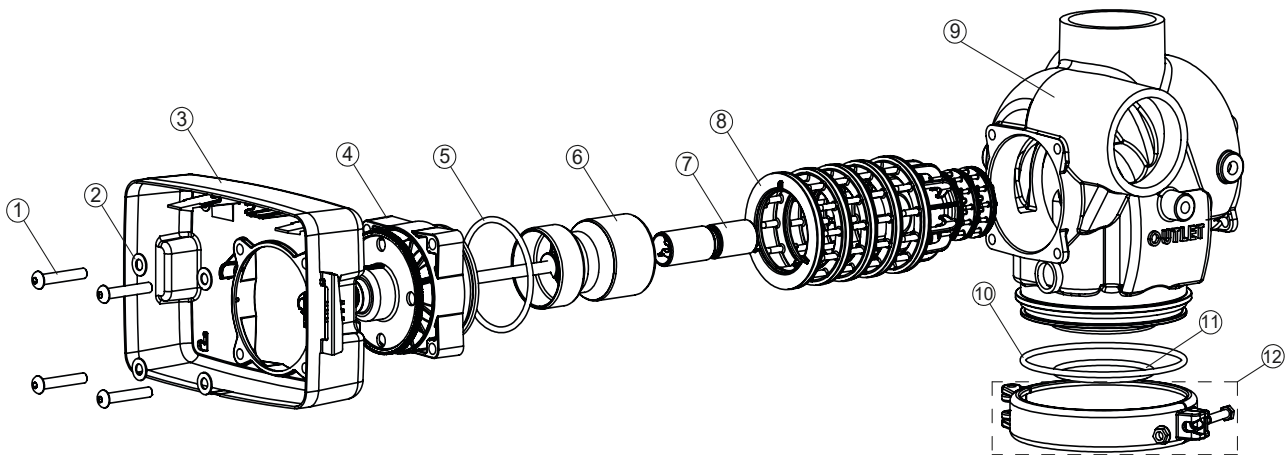
nr	Reference	Search Name	Item Name	Qty	£
Flange base assy					
01	10440000101	V3444	WS2H/2QC Screw Hex Cap 5/16 - 18 x 2 SS	12	1.35
02	10440000268	V3293	WS2 Washer SS 5/16 Flat	24	0.10
03	10440000321	V3445	WS2H/2QC Washer Split Lock 5/16 SS	12	0.19
04	10440000298	V3447	WS2H/2QC Nut Hex 5/16 - 8 Full SS	12	0.47
05	10440000180	COR60FL	O-ring 6" Flange Adapter	1	12.27
Kit	10440000264	V3055	WS2HF/2QC flange base - 6" TM	1	179.92

WS2H - TANK ADAPTERS



nr	Reference	Search Name	Item Name	Qty	£
Side mount base BSPT					
01	10440000202	V3280	O-ring 332	1	1.37
Kit	10440000079	V3260BSPT-02	WS2HF/2QC side mount base - 4" SM	1	262.00
Kit	10440000217	V3674BSPT-02	WS3 Side Mount Base BSPT	1	377.69

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



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

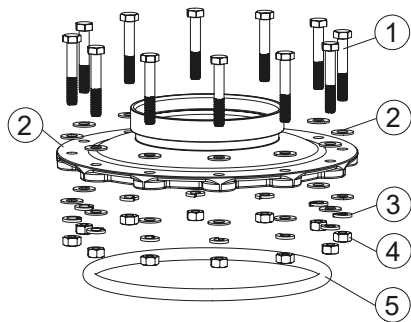
WS3 - DRIVE CAP, PISTONS, SPACER STACK, BACK PLATE, BODY, METER

nr	Reference	Search Name	Item Name	Qty	£
01	10440000442	V3275	WS2 Screw BSHD SS 3/8 - 16 x 2 1/4	4	2.49
02	10440000443	V3291	WS2 Washer SS 3/8	4	0.18
03	10440000256	V3225	WS2 Back Plate	1	22.08
04	10440000307	V3093	WS3 Drive Assembly	1	132.98
05	10440000209	V3289	O-ring 344	1	2.51
06	10440000041	V3666-01	WS3 Piston Downflow	1	90.02
07**	10440000311	V3238-01	WS2H/3 Brine Piston	1	46.11
08	10440000210	V3092	WS3 Spacer Stack	1	110.24
09	10440000459	V3667-03	WS3 Body with V3468 Plug	1	1,296.93
09	10440000460	V3667BSPT-01	WS3 Body with V3465 Plug	1	1,390.96
10	10440000461	V3763	O-ring 361 (WS3 Body)	1	4.19
11	10440000462	V3762	O-ring 341 (for valve bodies with NPT or BSPT Threads)	1	2.24
12*	10440000463	V3091	WS3 Base Clamp Assembly	1	75.03
N.S.	10440000454	V3465-04	WS1.5/2/3 Plug 1/4" Plastic BSPT	2	1.22
N.S.	10440000464	V3672	WS3 Top Baffle Diffuser 3"/90mm	1	14.81

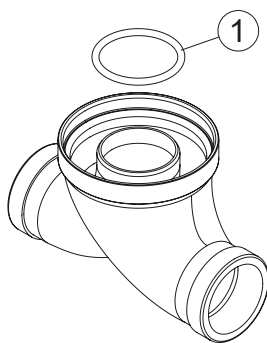
* V3091 WS3 base clamp assy includes a V3276 WS2H/3 Bolt hex SS 5/16-18X1-3/4 and V3269 WS2H/3 nut 5/16-18 SS hex.

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

WS3 - TANK ADAPTERS

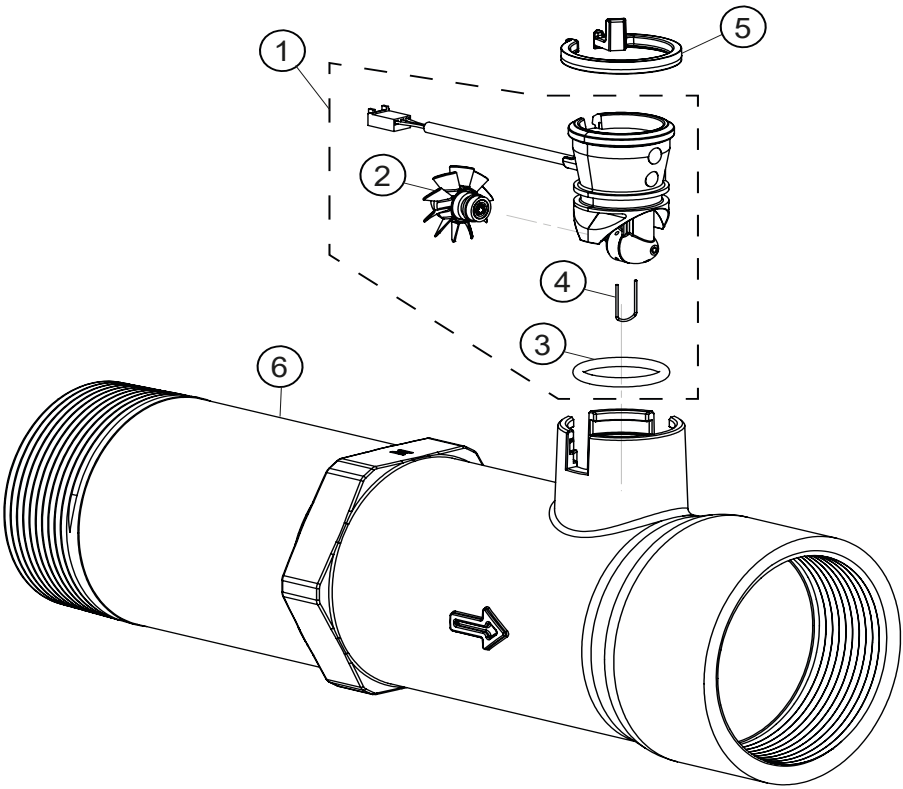


nr	Reference	Search Name	Item Name	Qty	£
Flange base assy					
01	10440000101	V3444	WS2H/2QC Screw Hex Cap 5/16 - 18 x 2 SS	12	1.35
02	10440000268	V3293	WS2 Washer SS 5/16 Flat	24	0.10
03	10440000321	V3445	WS2H/2QC Washer Split Lock 5/16 SS	12	0.19
04	10440000298	V3447	WS2H/2QC Nut Hex 5/16 - 8 Full SS	12	0.47
05	10440000180	COR60FL	O-ring 6" Flange Adapter	1	12.27
Kit	10440000246	V3090	WS3 6" Flange Base Assy	1	196.52



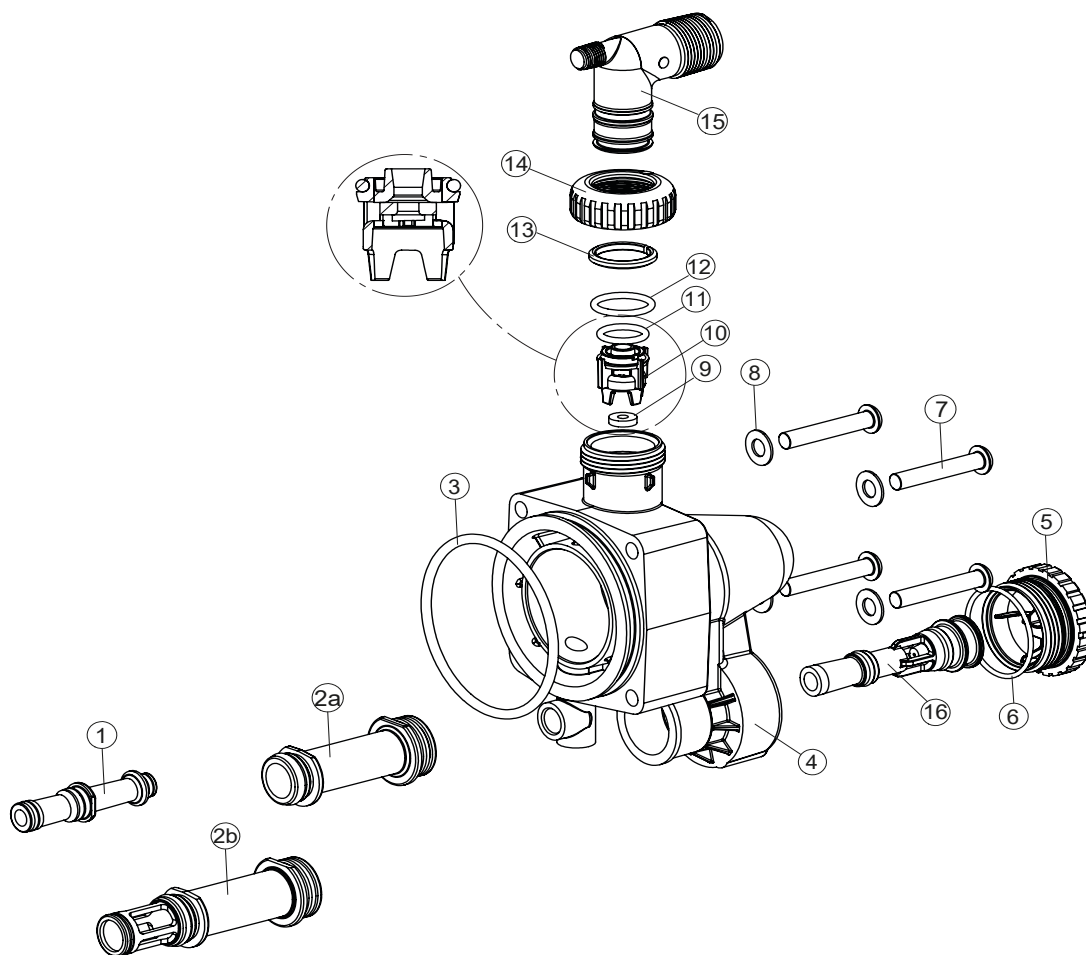
nr	Reference	Search Name	Item Name	Qty	£
Side mount base BSPT					
01	10440000202	V3280	O-ring 332	1	1.37
Kit	10440000217	V3674BSPT-02	WS3 Side Mount Base BSPT	1	377.69

WS3 - METER ASSEMBLY



nr	Reference	Search Name	Item Name	Qty	£
01	10440000124	V3221	WS1.5/2H/3 Commercial Meter Assy 15' cable	1	75.74
02	10440000319	V3118-03	WS1.5/2 Turbine Assembly	1	15.83
03	10440000008	V3105	O-ring 215	1	0.27
04	10440000183	V3501	WS1.5/2 Turbine Clip	1	1.24
05	10440000075	V3632	WS1.5/2/3 Meter Retaining Clip	1	2.79
06	10440000477	V3844BSPT-01	WS3 Meter Housing BSPT	1	945.55
Kit	10440000289	V3095BSPT-15	WS3 Meter BSPT assembly	1	1,019.68

WS2H & WS3 - BRINE VALVE & INJECTOR



WS2H & WS3 - BRINE VALVE & INJECTOR

nr	Reference	Search Name	Item Name	Qty	£
01	10440000468	V3237-01	WS2H/3 Soft Water Fill Tube Assembly	1	4.60
02 A ¹	10440000472	V3236-04	WS2H Inject Tube Asy A Thru H	1	4.62
02 B ²	10440000204	V3670-01	WS3 Injector Tube Downflow Assembly	1	8.43
03	10440000209	V3289	O-ring 344	1	2.51
04	10440000056	V3067	WS2 Brine Body Assembly	1	37.21
05	10440000106	V3477	WS2 Injector Cap	1	3.50
06	10440000105	V3152	O-ring 135	1	0.65
07	10440000442	V3275	WS2 Screw BSHD SS 3/8 - 16 x 2 1/4	4	2.49
08	10440000443	V3291	WS2 Washer SS 3/8	4	0.18
09 ³	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	1	1.39
10	10440000123	V3231-01	WS2 Refill Flow Control Retainer	1	3.11
11	10440000040	V3277	O-ring 211	1	0.41
12	10440000008	V3105	O-ring 215	1	0.27
13	10440000174	V3150	WS1 Split Ring	1	0.29
14	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
15	10440000282	V3149	WS1 Fitting 1" PVC Male NPT Elbow	1	1.78
N.S. ⁴	10440000366	V3499	WS2H/3 Fitting Cap 1" Threaded	1	2.45
N.S.	10440000071	V3010-2A	WS2/WS2H injector assembly A	1	19.14
N.S.	10440000244	V3010-2B	WS2/WS2H injector assembly B	1	19.14
N.S.	10440000107	V3010-2C	WS2/WS2H injector assembly C	1	19.14
N.S.	10440000019	V3010-2D	WS2/WS2H injector assembly D	1	19.14
N.S.	10440000207	V3010-2E	WS2/WS2H injector assembly E	4	19.14
N.S.	10440000136	V3010-2F	WS2/WS2H injector assembly F	4	19.14
N.S.	10440000254	V3010-2G	WS2/WS2H injector assembly G	1	19.14
N.S.	10440000305	V3010-2H	WS2/WS2H injector assembly H	1	35.52

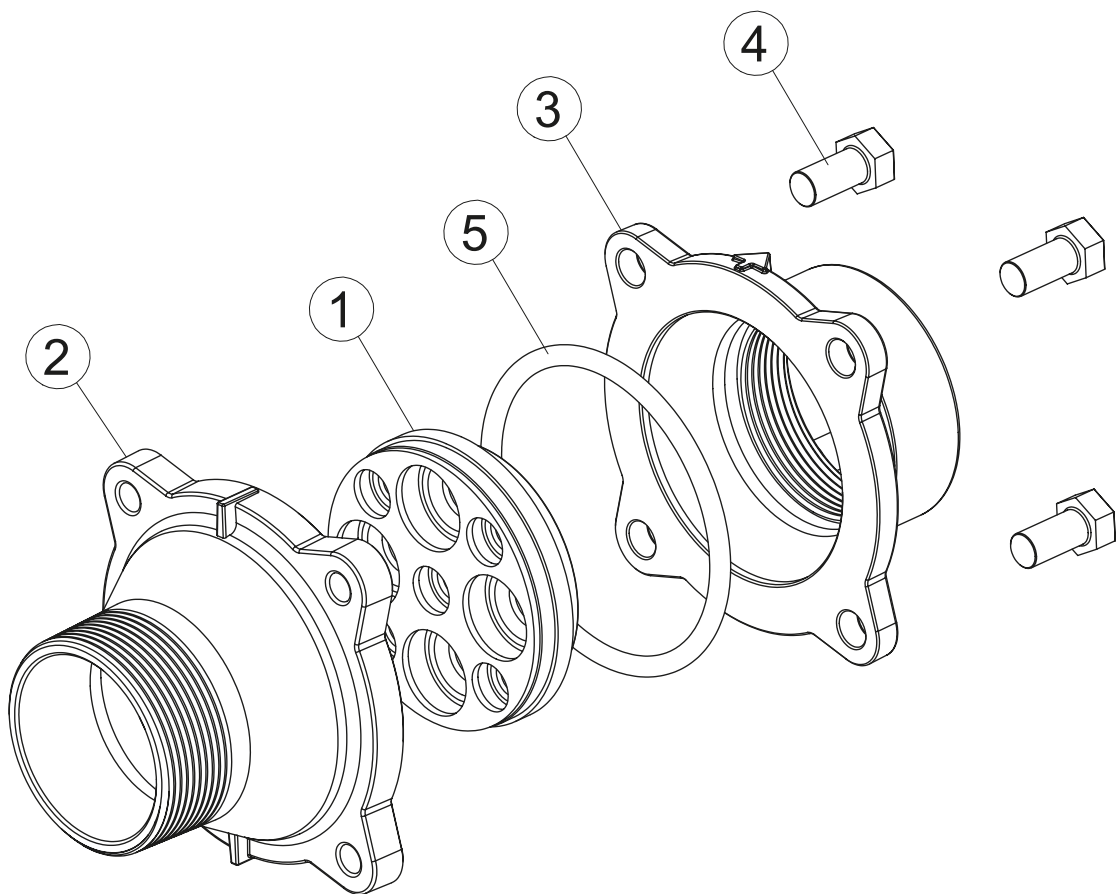
1 V3236-04 WS2H Injector tube assy A thru H contains a V3285 O-ring 213 and a V3286 O-ring 216.

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)

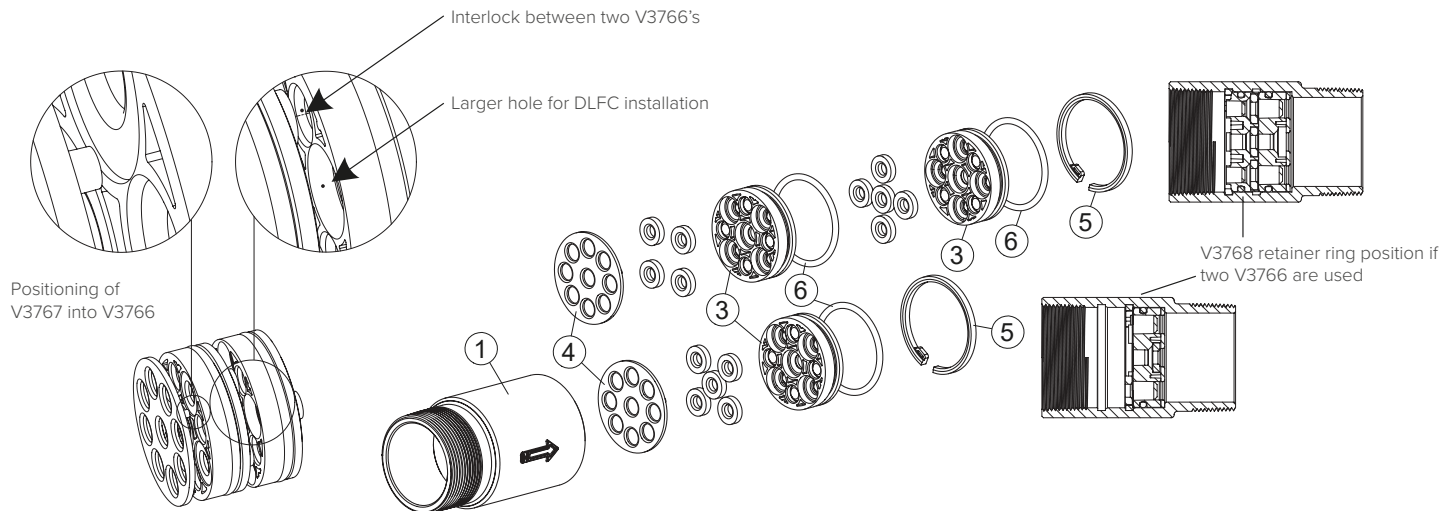


WS2H - STAINLESS STEEL DRAIN LINE FLOW CONTROL (0.7 - 150 GPM)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000395	V3052	WS2 DLFC Retainer Assembly	1	42.48
04	10440000473	V3273	Bolt Hex Head SS HCS 3/8 - 16 x 3/4	4	0.89
05	10440000398	V3278	O-ring 338	1	1.89
N.S.	10440000168	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"	0-5	1.39
N.S.	10440000310	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"	0-5	1.39
N.S.	10440000052	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"	0-5	1.39
N.S.	10440000165	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"	0-5	1.39
N.S.	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"	0-5	1.39
N.S.	10440000313	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"	0-5	1.39
N.S.	10440000187	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"	0-5	1.39
N.S.	10440000090	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"	0-5	1.37
N.S.	10440000080	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"	0-5	1.39
N.S.	10440000141	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"	0-5	1.39
N.S.	10440000215	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"	0-5	1.39
N.S.	10440000159	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"	0-5	1.39
N.S.	10440000054	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"	0-5	1.39
N.S.	10440000120	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	0-4	3.57
N.S.	10440000135	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	0-4	3.61
N.S.	10440000220	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	0-4	3.61
N.S.	10440000132	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	0-4	3.61
N.S.	10440000259	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	0-4	3.61
N.S.	10440000287	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	0-4	3.61
N.S.	10440000009	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	0-4	3.61
N.S.	10440000026	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	0-4	3.61
Kit*	10440000205	V3051BSPT	WS2 DLFC asy BSPT (No DLFC Buttons)	1	158.52

* 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)

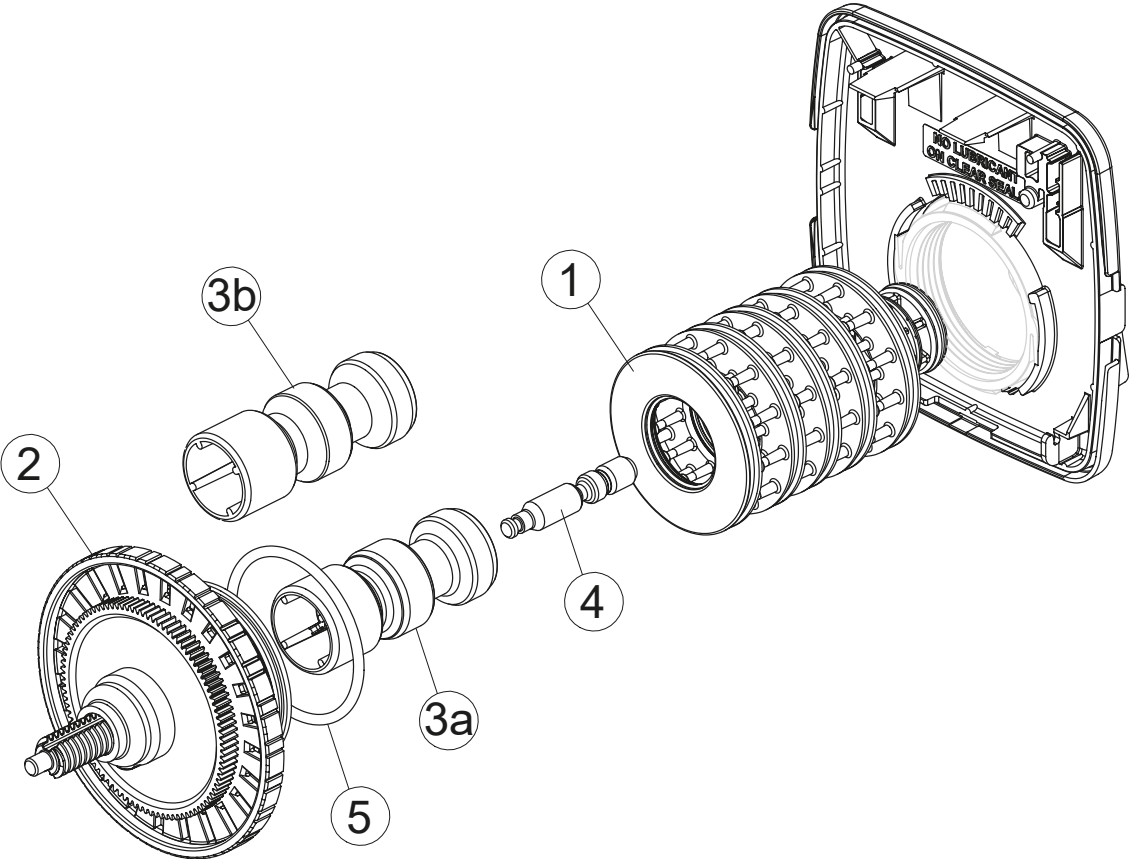
nr	Reference	Search Name	Item Name	Qty	£
02	10440000474	V3766	WS3 DLFC Retainer	1	39.32
03	10440000475	V3767	WS3 DLFC Retainer Cover	1	15.29
04	10440000476	V3768	WS3 DLFC Retainer Ring	1	15.29
05	10440000471	V3769	O-ring 336	1-2	1.58
06	10440000120	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"	1-9	3.57
06	10440000135	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"	1-9	3.61
06	10440000220	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"	1-9	3.61
06	10440000132	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"	1-9	3.61
06	10440000259	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"	1-9	3.61
06	10440000287	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"	1-9	3.61
06	10440000009	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"	1-9	3.61
06	10440000026	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"	1-9	3.61
Kit*	10440000216	V3764BSPT	WS3 DLFC asy BSPT (No DLFC Buttons) MxF	1	267.08

* 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



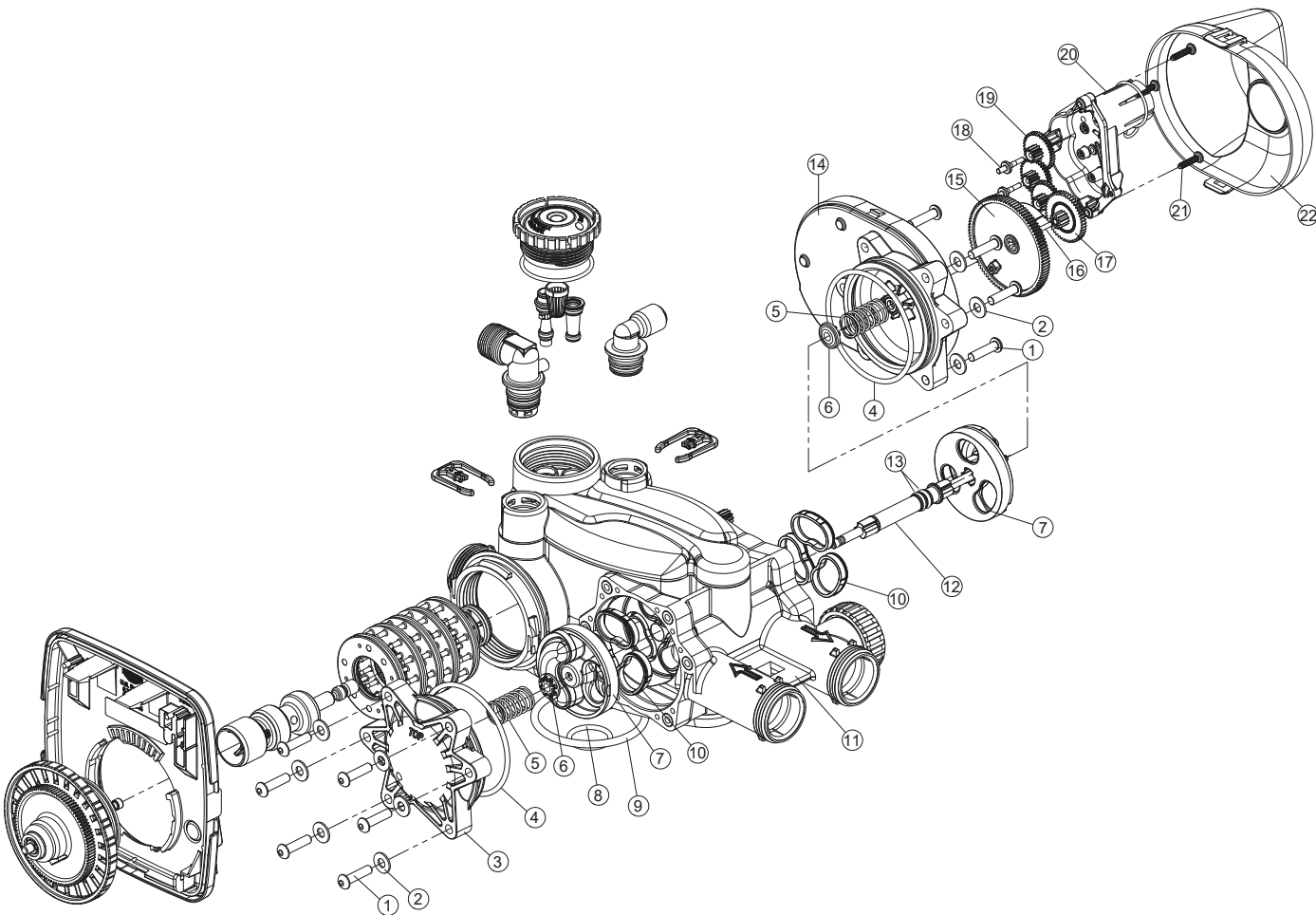
WS1 TWIN - DRIVE CAP, PISTONS & SPACER STACK

nr	Reference	Search Name	Item Name	Qty	£
01	10440000114	V3005-02	WS1 Spacer Stack	1	25.63
02	10440000155	V3004	Drive Cap Assy	1	18.72
03 A*	10440000189	V3011	WS1 Piston Downflow	1	8.94
03 B*	10440000067	V3011-01	WS1 Piston Upflow	1	17.97
04	10440000020	V3174	WS1 / WS1.25 / WS1.5 Brine Piston	1	5.62
05	10440000300	V3135	O-ring 228	1	0.89

* V3011 is labeled with DN and V3011-01 is labeled with UP

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

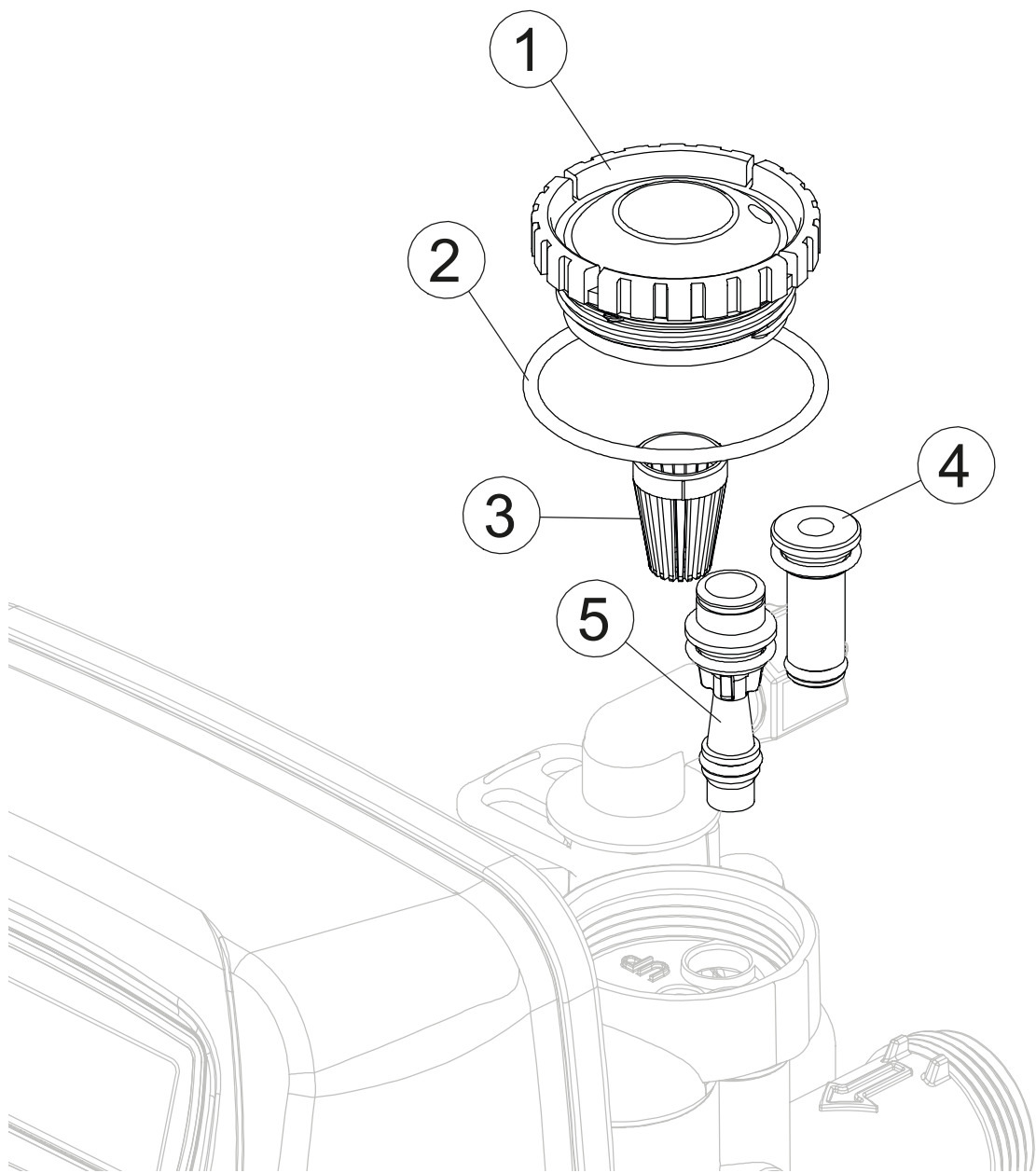
WS1 TWIN - BODY



WS1 TWIN - BODY

nr	Reference	Search Name	Item Name	Qty	£
01	10440000376	V3470	Screw BHC 1/4-20 X 1 SS	12	0.48
02	10440000218	V3724	Washer Flat SS 1/4	12	0.15
03	10440000466	V4005-01	T1 Transfer cap asy	1	6.43
04	10440000173	V4029	O-ring 236	2	1.23
05	10440000108	V4015	T1 Transfer spring	2	1.78
06	10440000275	V4014	T1 Transfer spring support	2	0.50
07	10440000142	V4036	T1 Rotor disk asy	2	17.10
08	10440000008	V3105	O-ring 215	1	0.27
09	10440000278	V3180	O-ring 337	1	1.46
10	10440000089	V4016	T1 transfer seal for Clack Twin	6	3.38
11	10440000057	V3031	T1 Body Shaft Water Regen	1	95.33
12	10440000169	V4023	T1 Transfer drive shaft asy	1	21.02
13	10440000294	V3287	O-ring 110	2	0.30
14	10440000467	V4006-01	T1 Transfer drive cap asy	1	12.07
15	10440000470	V4011-01	T1 Transfer drive gear asy	1	3.42
16	10440000413	V4012	T1 Transfer drive gear axle	1	9.88
17	10440000465	V4013	T1 Transfer reduction gear	1	1.82
18	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
19	10440000303	V3110	Drive Gear 12x36	3	1.01
20	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
21	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
22	10440000276	V4049	T1 Cover assembly	1	11.16
N.S.	10440000110	V4043	T1 transfer motor assy	1	15.55
N.S.	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
N.S.	10440000417	V4055	Twin Tank Meter Assy	1	55.20
N.S.	10440000053	V4017-01	TT Interconnect fitting asy	1	11.00
N.S.	10440000068	D1400	Clack In/Out head	1	22.80

WS1 TWIN - INJECTOR



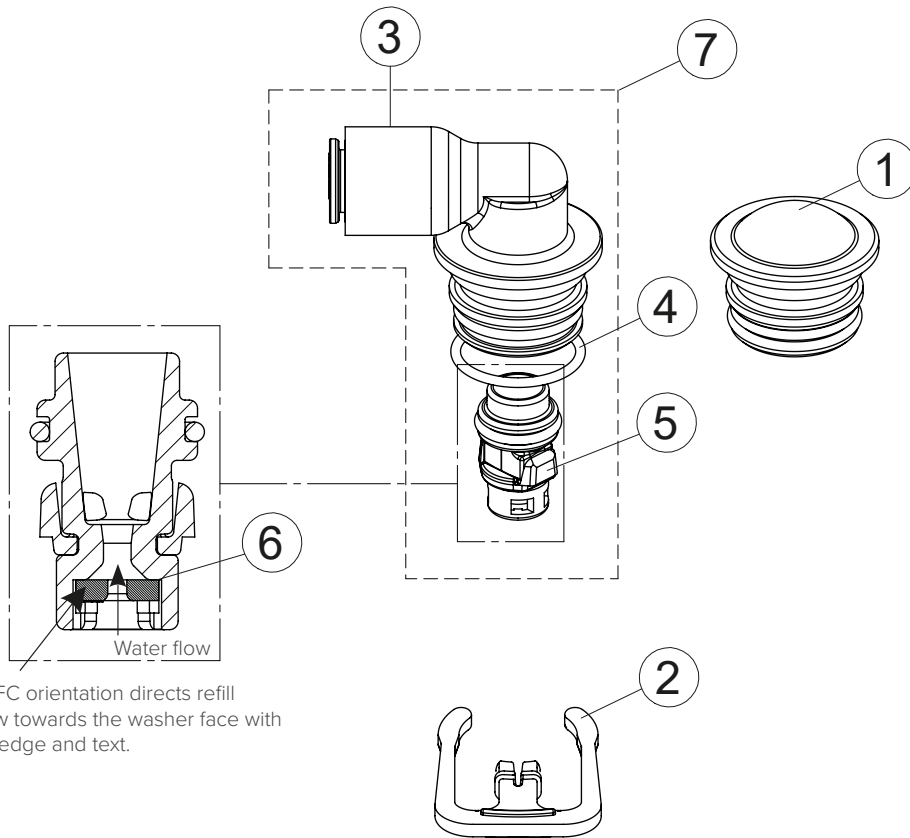
WS1 TWIN - INJECTOR

nr	Reference	Search Name	Item Name	Qty	£
01	10440000186	V3176	WS1 Injector Cap	1	1.54
02	10440000105	V3152	O-ring 135	1	0.65
03	10440000318	V3176-01	WS1 Injector Cap Asy (O-Ring 135, Sreen, Cap)	1	2.97
04	10440000213	V3010-1Z	Injector plug	1	1.60
05	10440000146	V3010-1A	WS1 injector assembly A Black	1	3.04
05	10440000262	V3010-1B	WS1 injector assembly B Brown	1	3.04
05	10440000193	V3010-1C	WS1 injector assembly C Violet	1	3.04
05	10440000018	V3010-1D	WS1 injector assembly D Red	1	3.04
05	10440000007	V3010-1E	WS1 injector assembly E White	1	3.04
05	10440000148	V3010-1F	WS1 injector assembly F Blue	1	3.04
05	10440000178	V3010-1G	WS1 injector assembly G Yellow	1	3.04
05	10440000145	V3010-1H	WS1 injector assembly H Green	1	3.04
05	10440000078	V3010-1I	WS1 injector assembly I Orange	1	3.04
05	10440000099	V3010-1J	WS1 injector assembly J Light blue	1	3.04
05	10440000274	V3010-1K	WS1 injector assembly K Light Green	1	3.04
N.S.	10440000046	V3170	O-ring 011	*	0.30
N.S.	10440000032	V3171	O-ring 013	*	1.00

* 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



Proper RFC orientation directs refill water flow towards the washer face with rounded edge and text.

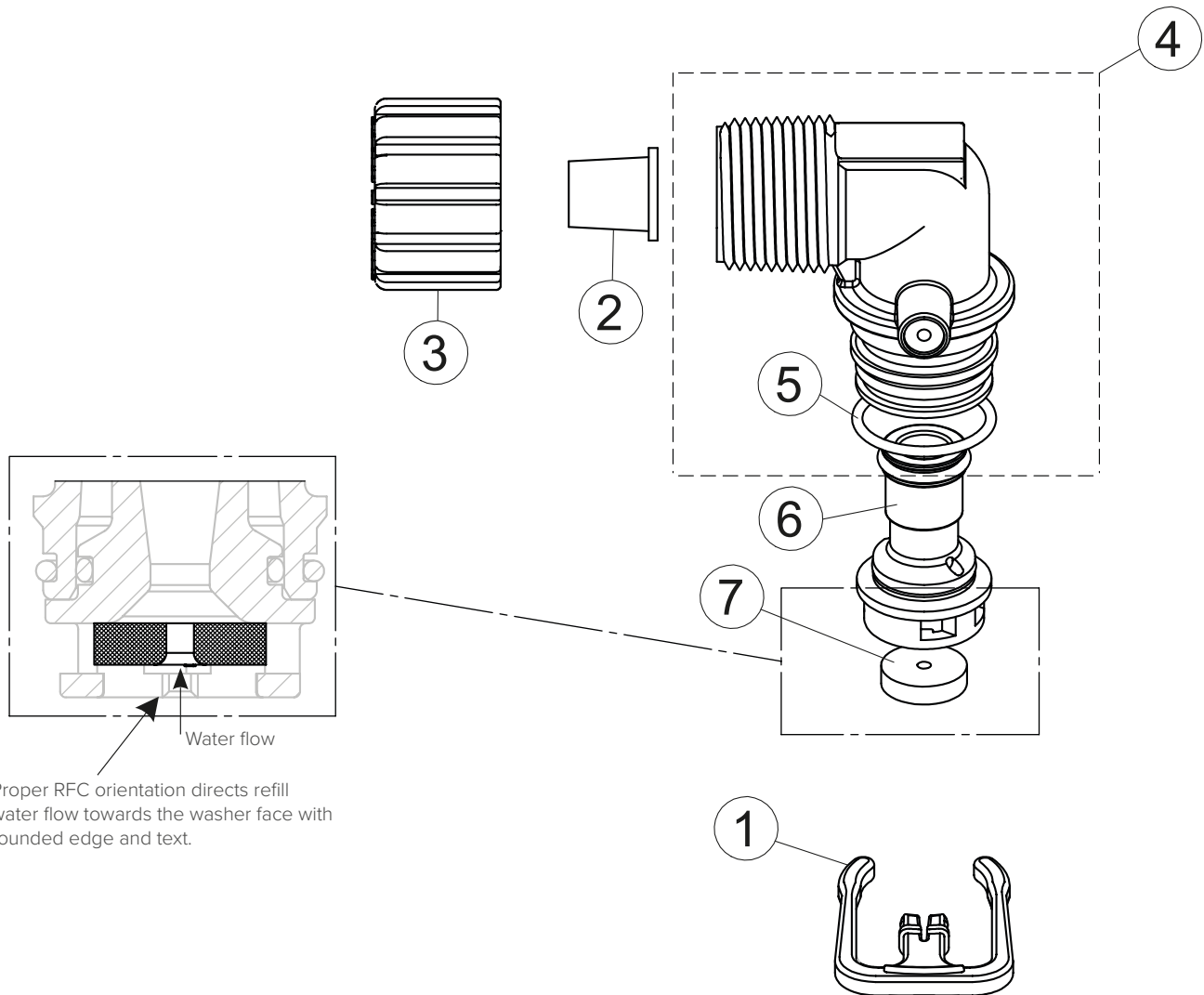
WS1 TWIN - REFILL FLOW CONTROL

nr	Reference	Search Name	Item Name	Qty	£
01*	10440000127	V3195-01	WS1 Refill Port Plug Asy		4.12
02	10440000194	H4615	Elbow Locking Clip	1	0.31
03	10440000150	V4144	Elbow 3/8 Liquifit with O-ring	1	2.60
04	10440000091	V3163	O-ring 019	1	0.26
05 **	10440000060	V3165-01	WS1 Refill Flow Control Retainer Asy	1	2.64
06	10440000251	V3182	WS1 Refill Flow Control (0.5 gpm)	1	0.77
07	10440000115	V4144-01	Elbow 3/8" Liquifit assy with RFC	1	4.53
N.S.	10440000425	V3552	WS1 Brine Elbow Assembly with Refill Flow Control 1/2"	Option	4.65
N.S.	10440000314	H4650	Elbow 1/2" with nut & insert	Option	5.63

* This part is required for backwash only systems

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

WS1 TWIN - DRAIN LINE FLOW CONTROL 3/4"

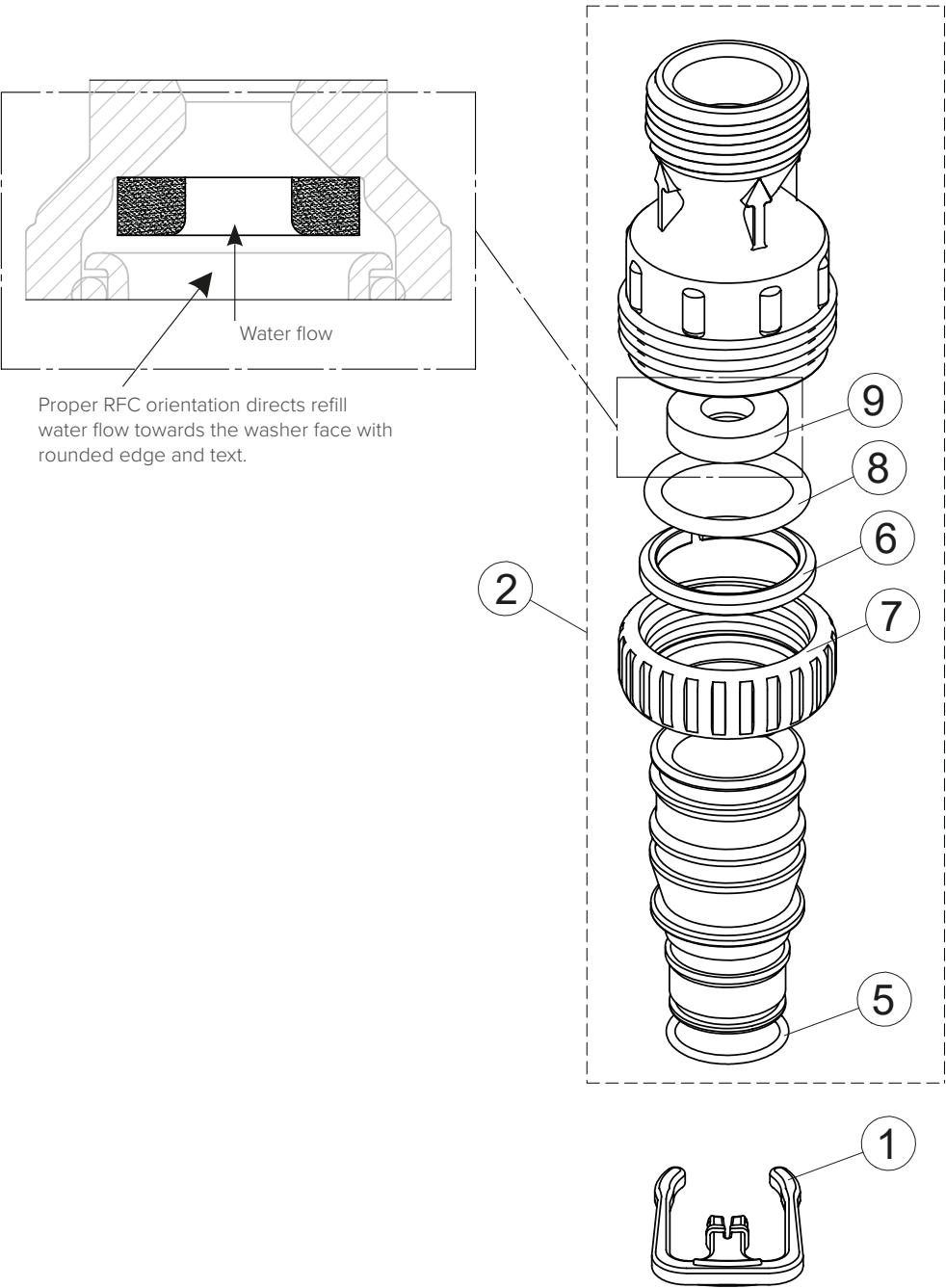


WS1 TWIN - DRAIN LINE FLOW CONTROL 3/4"

nr	Reference	Search Name	Item Name	Qty	£
01	10440000194	H4615	Elbow Locking Clip	1	0.31
02	10440000181	PKP10TS8-BULK	Insert Polytube 5/8"	Option	0.79
03	10440000083	V3192	WS1 Nut 3/4" Drain Elbow for 5/8 x 1/2 Poly	Option	0.79
04*	10440000033	V3158-01	WS1 Drain Elbow 3/4" Male Asy	1	2.79
05	10440000091	V3163	O-ring 019	1	0.26
06*	10440000198	V3159-01	WS1 DLFC Retainer Asy	1	1.11
07	10440000168	V3162-007	WS1 DLFC 007 (0.7 gpm) for 3/4"		1.39
07	10440000310	V3162-010	WS1 DLFC 010 (1.0 gpm) for 3/4"		1.39
07	10440000052	V3162-013	WS1 DLFC 013 (1.3 gpm) for 3/4"		1.39
07	10440000165	V3162-017	WS1 DLFC 017 (1.7 gpm) for 3/4"		1.39
07	10440000261	V3162-022	WS1 DLFC 022 (2.2 gpm) for 3/4"		1.39
07	10440000313	V3162-027	WS1 DLFC 027 (2.7 gpm) for 3/4"		1.39
07	10440000187	V3162-032	WS1 DLFC 032 (3.2 gpm) for 3/4"		1.39
07	10440000090	V3162-042	WS1 DLFC 042 (4.2 gpm) for 3/4"		1.37
07	10440000080	V3162-053	WS1 DLFC 053 (5.3 gpm) for 3/4"		1.39
07	10440000141	V3162-065	WS1 DLFC 065 (6.5 gpm) for 3/4"		1.39
07	10440000215	V3162-075	WS1 DLFC 075 (7.5 gpm) for 3/4"		1.39
07	10440000159	V3162-090	WS1 DLFC 090 (9.0 gpm) for 3/4"		1.39
07	10440000054	V3162-100	WS1 DLFC 100 (10.0 gpm) for 3/4"		1.39

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

WS1 TWIN - DRAIN LINE FLOW CONTROL 1"

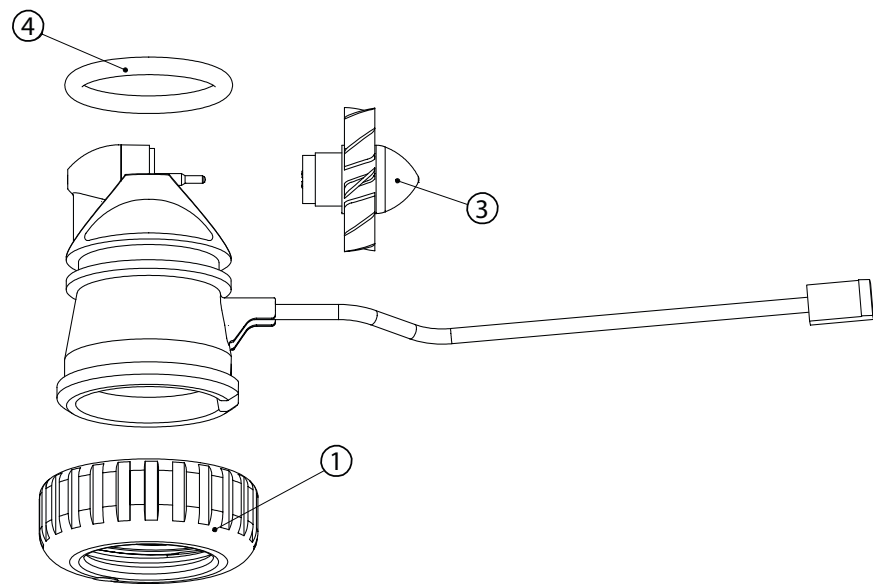


WS1 TWIN - DRAIN LINE FLOW CONTROL 1"

nr	Reference	Search Name	Item Name	Qty	£
01	10440000194	H4615	Elbow Locking Clip	1	0.31
02	10440000295	V3008-02	WS1 Drain Fitting 1" Straight with Check Valve	1	11.59
05	10440000091	V3163	O-ring 019	1	0.26
06	10440000174	V3150	WS1 Split Ring	1	0.29
07	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
08	10440000008	V3105	O-ring 215	1	0.27
09	10440000120	V3190-090	WS1 DLFC 090 (9.0 gpm) for 1"		3.57
09	10440000135	V3190-100	WS1 DLFC 100 (10.0 gpm) for 1"		3.61
09	10440000220	V3190-110	WS1 DLFC 110 (11.0 gpm) for 1"		3.61
09	10440000132	V3190-130	WS1 DLFC 130 (13.0 gpm) for 1"		3.61
09	10440000259	V3190-150	WS1 DLFC 150 (15.0 gpm) for 1"		3.61
09	10440000287	V3190-170	WS1 DLFC 170 (17.0 gpm) for 1"		3.61
09	10440000009	V3190-200	WS1 DLFC 200 (20.0 gpm) for 1"		3.61
09	10440000026	V3190-250	WS1 DLFC 250 (25.0 gpm) for 1"		3.61

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

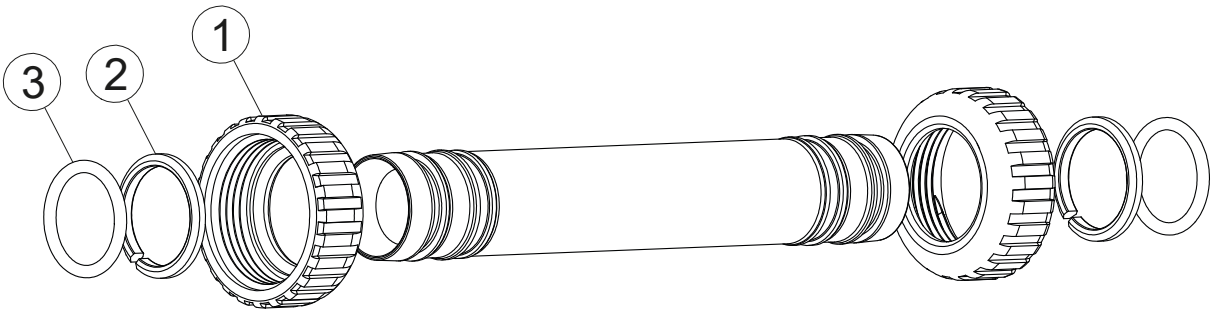
WS1 TWIN - WATER METER



nr	Reference	Search Name	Item Name	Qty	£
01	10440000035	V3151	WS1 Nut 1" quick connect	1	0.89
03	10440000240	V3118-01	WS1 Turbine Asy	1	13.02
04	10440000008	V3105	O-ring 215	1	0.27
Kit *	10440000417	V4055	Twin Tank Meter Assy	1	55.20

* contains part numbers 1 to 4.

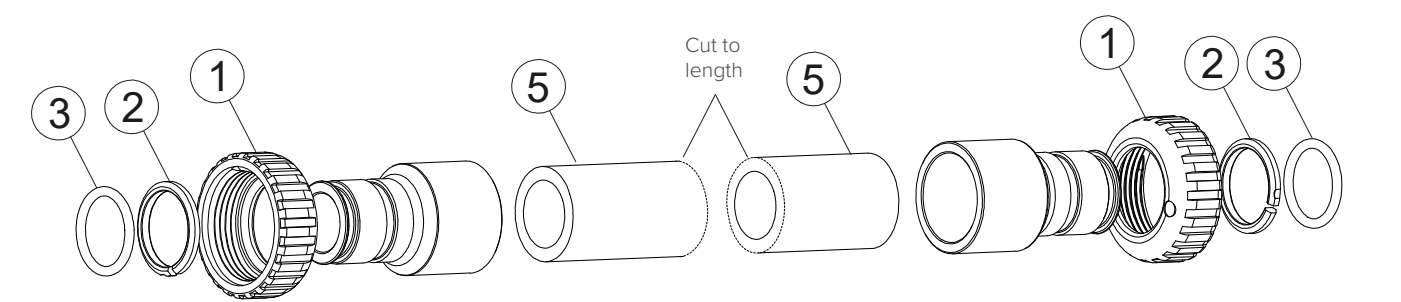
WS1 TWIN - INTERCONNECT FITTINGS UP TO 10” TANKS



nr	Reference	Search Name	Item Name	Qty	£
01	10440000035	V3151	WS1 Nut 1" quick connect	4	0.89
02	10440000174	V3150	WS1 Split Ring	4	0.29
03	10440000008	V3105	O-ring 215	4	0.27
Kit*	10440000053	V4017-01	TT Interconnect fitting asy	4	11.00

* contains part numbers 1 to 4.

WS1 TWIN - INTERCONNECT FITTINGS FOR 12” TO 21 TANKS



nr	Reference	Search Name	Item Name	Qty	£
01	10440000035	V3151	WS1 Nut 1" quick connect	4	0.89
02	10440000174	V3150	WS1 Split Ring	4	0.29
03	10440000008	V3105	O-ring 215	4	0.27
05	10440000429	V4052	Pipe PVC SCH 80 1-1/4 X 20	2	7.48
Kit*	10440000154	V4052-01	TT interconnect kit 12-21	4	41.12

* contains part numbers 1 to 5

CLACK SERVICE KITS

CLACK SERVICE KITS



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 SERVICE KITS

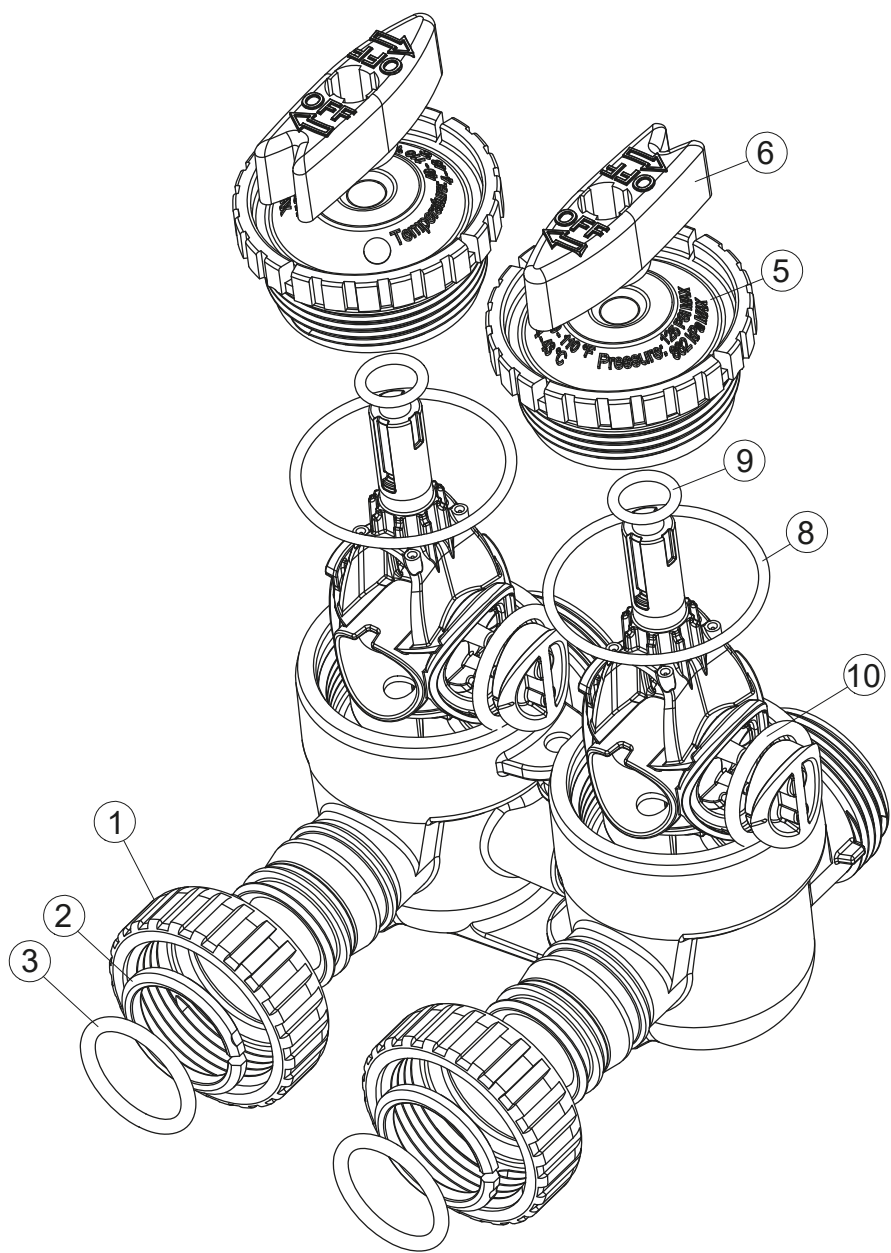
nr	Reference	Search Name	Item Name	Qty	£
	10440000433	V3005-10	WS1 Down Flow Service Kit	1	
	10440000434	V3005-11	WS1 Up Flow Service Kit	1	
	10440000435	V3430-10	WS1.25 & WS1.5 Down Flow Service Kit	1	
	10440000436	V3430-11	WS1.25 & WS1.5 Up Flow Service Kit	1	

* | These kits contain the spacer stack, the pistons (main piston and regenerant piston) and a small tube of silicone lubricant.

ACCESSORIES

WS1 Bypass	100
WS1 & WS1.25 - Alternating valve (MAV)	102
WS1.5 Plastic - Alternating valve (MAV)	104
WS1.5 Brass - Alternating valve (MAV)	106
WS2 - Alternating valve (MAV)	108
WS3 - Alternating valve (MAV)	110
WS1 & WS1.25 - No hardwater bypass (NHWBP)	112
WS1.5 Plastic - No hardwater bypass (NHWBP)	114
WS1.5 Brass - No hardwater bypass (NHWBP)	116
WS2 - No hardwater bypass (NHWBP)	118
WS3 - No hardwater bypass (NHWBP)	120

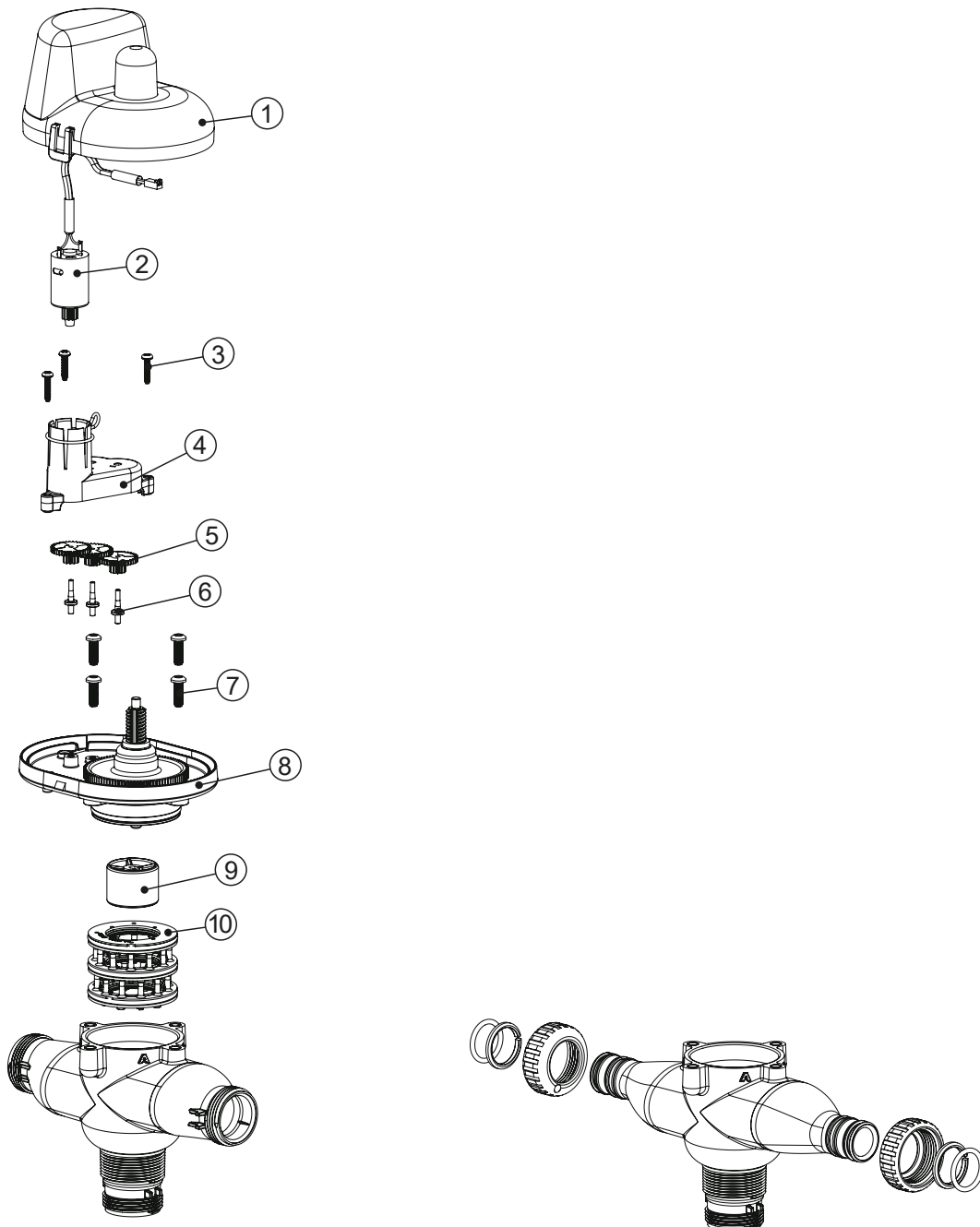
WS1 BYPASS



WS1 BYPASS

nr	Reference	Search Name	Item Name	Qty	£
01	10440000035	V3151	WS1 Nut 1" quick connect	2	0.89
02	10440000174	V3150	WS1 Split Ring	2	0.29
03	10440000008	V3105	O-ring 215	2	0.27
05	10440000006	V3146	WS1 Bypass Cap	2	1.27
06	10440000088	V3147	WS1 Bypass Handle	2	0.86
08	10440000105	V3152	O-ring 135	2	0.65
09	10440000320	V3155	O-ring 112	2	0.19
10	10440000238	V3156	O-ring 214	2	0.27
Kit	10440000299	V3006	WS1 Bypass	2	22.27

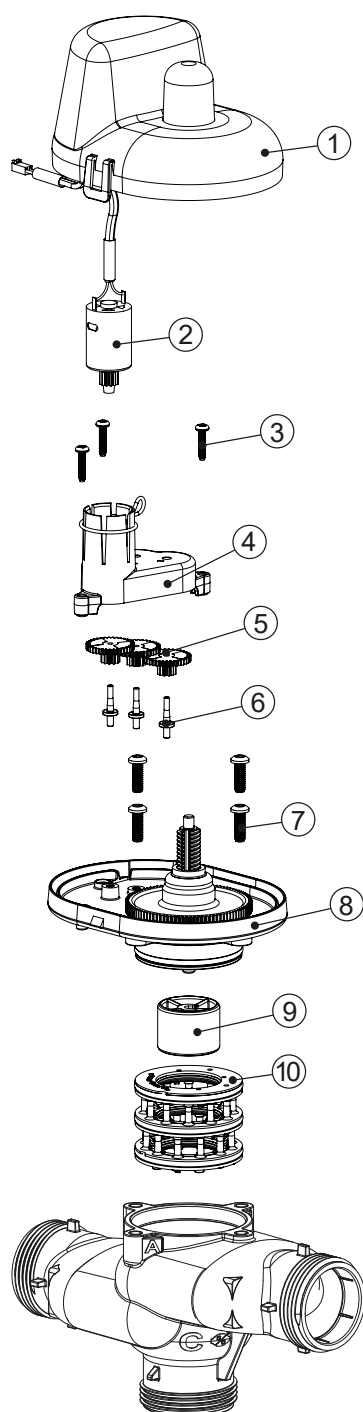
WS1 & WS1.25 - ALTERNATING VALVE (MAV)



WS1 & WS1.25 - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
07	10440000368	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.29
08	10440000092	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.99
09	10440000175	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.91
10	10440000177	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.33
Kit	10440000138	V3069FF-01	Motorized Alternating Valve WS1 & WS1.25 (female x female)	1	135.24
Kit	10440000005	V3069MM-01	Motorized Alternating Valve WS1 & WS1.25 (male x male)	1	131.92
N.S.	10440000161	V3474	WS Alternating Connection Cord 12' (3 wire) Black	1	5.86

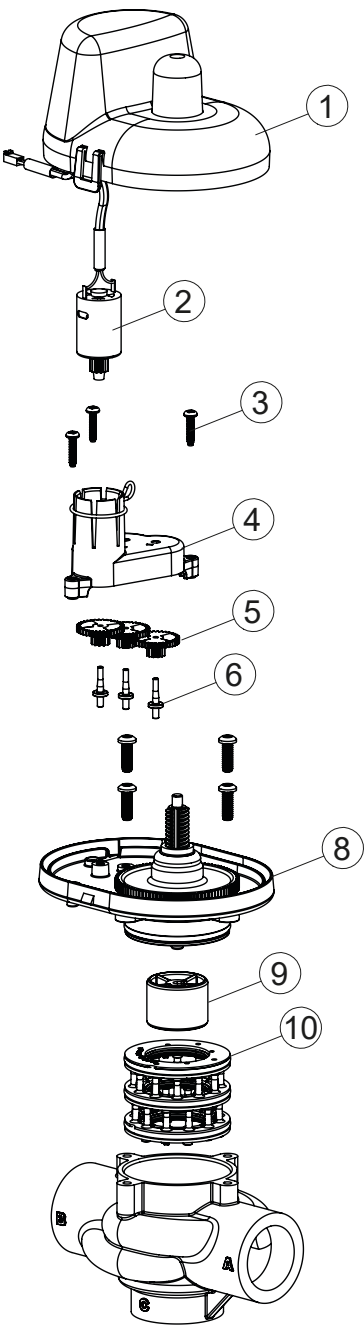
WS1.5 PLASTIC - ALTERNATING VALVE (MAV)



WS1.5 PLASTIC - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly		16.78
02	10440000279	V3476	WS Motor Assembly 8'		19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS		0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly		4.58
06	10440000290	V3264	WS2 Reduction Gear Axel		0.59
07	10440000368	V3527	Screw 1/4-20 X 3/4 BHSGS SS		0.29
08	10440000092	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy		21.99
09	10440000175	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston		29.91
10	10440000177	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack		13.33
Kit	10440000017	V3034	Motorized Alternating Valve WS1.5 Plastic		203.21
N.S.	10440000161	V3474	WS Alternating Connection Cord 12' (3 wire) Black		5.86

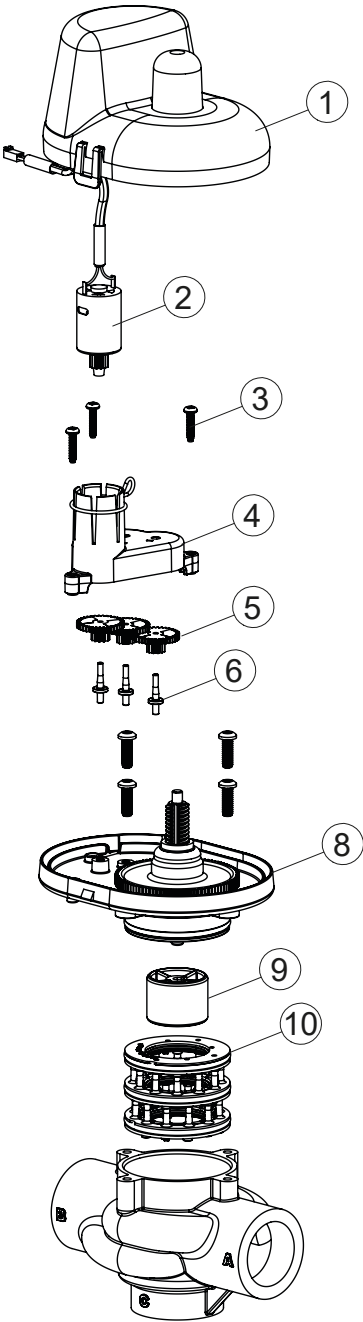
WS1.5 BRASS - ALTERNATING VALVE (MAV)



WS1.5 BRASS - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
07	10440000368	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.29
08	10440000092	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.99
09	10440000175	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.91
10	10440000177	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.33
11	10440000370	V3525BSPT-01	1.5" MAV Body BSPT	1	352.91
N.S.	10440000161	V3474	WS Alternating Connection Cord 12' (3 wire) Black	1	5.86

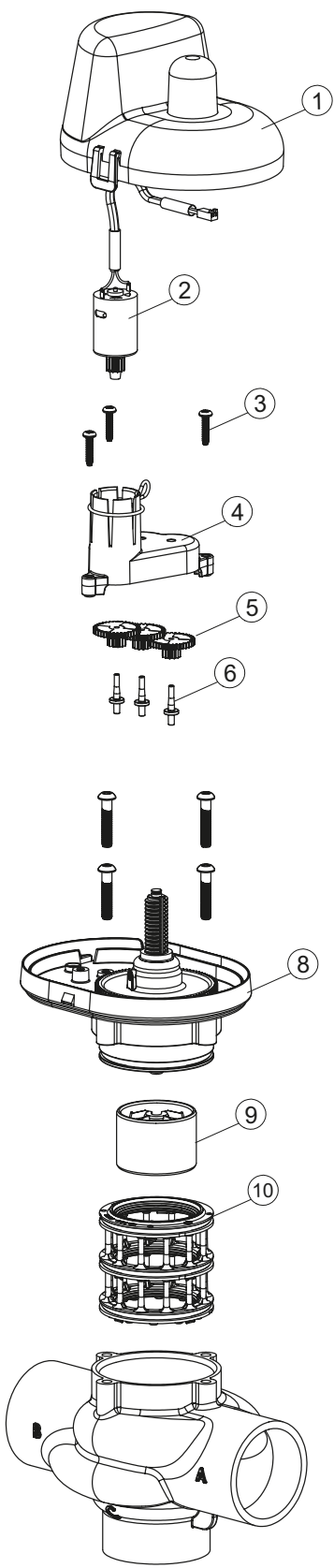
WS2 - ALTERNATING VALVE (MAV)



WS2 - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
07	10440000051	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.65
08	10440000371	V3078	MAV/NHWBP 2" Drive Asy	1	37.72
09	10440000258	V3634-01	MAV/NHWBP 2" Piston	1	28.44
10	10440000291	V3077	MAV/NHWBP 2" Stack Asy	1	25.24
11	10440000372	V3633BSPT-01	WS2 MAV Body BSPT (Piston Style)	1	428.15
N.S.	10440000161	V3474	WS Alternating Connection Cord 12' (3 wire) Black	1	5.86

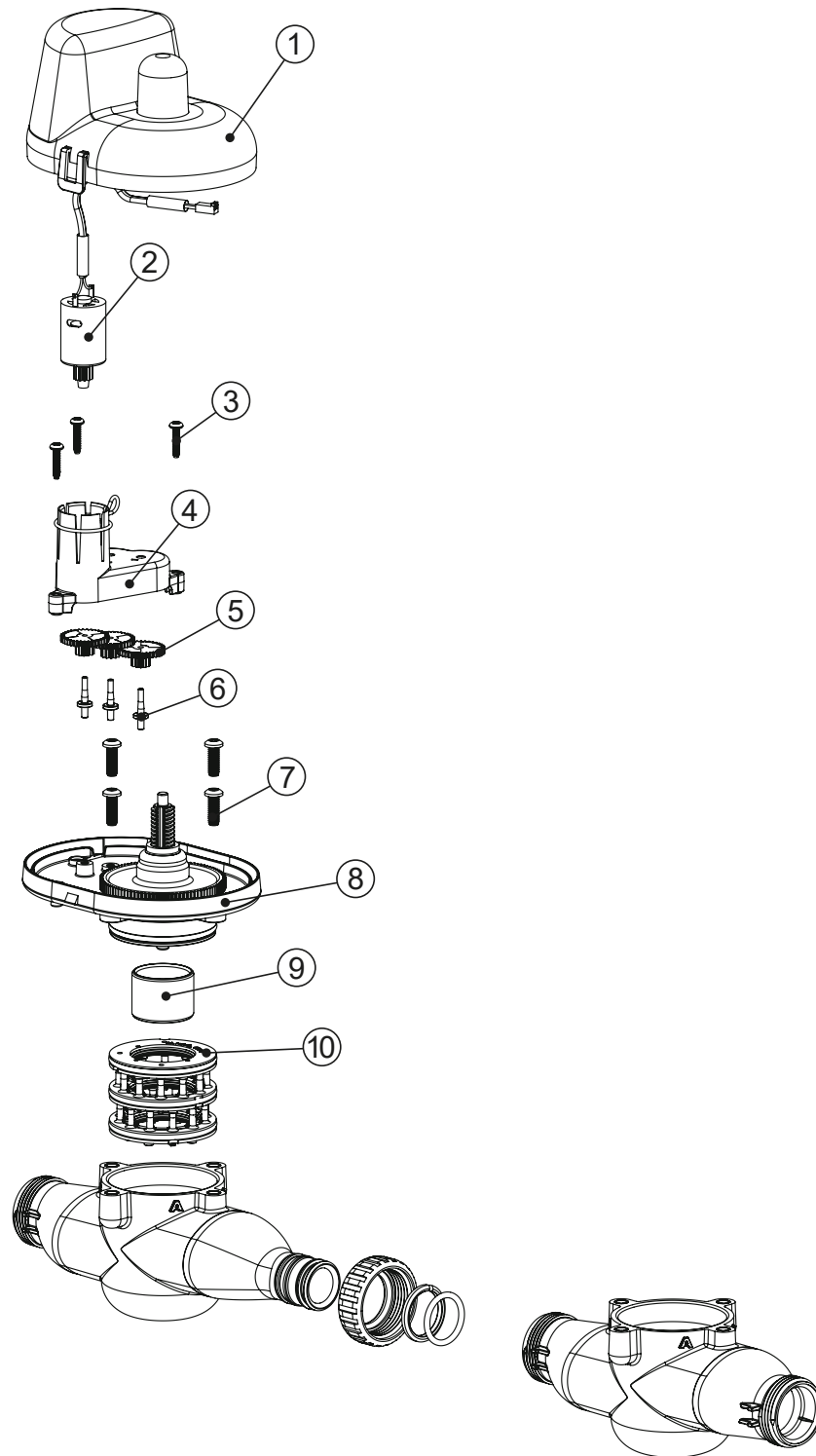
WS3 - ALTERNATING VALVE (MAV)



WS3 - ALTERNATING VALVE (MAV)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
08	10440000458	V3085	WS3 MAV Drive cap Assy	1	124.14
09	10440000190	V3695-01	WS3 MAV Piston	1	41.53
10	10440000308	V3084	WS3 MAV Stack assembly	1	59.62
Kit	10440000013	V3083BSPT	Motorized Alternating valve WS3	1	982.52

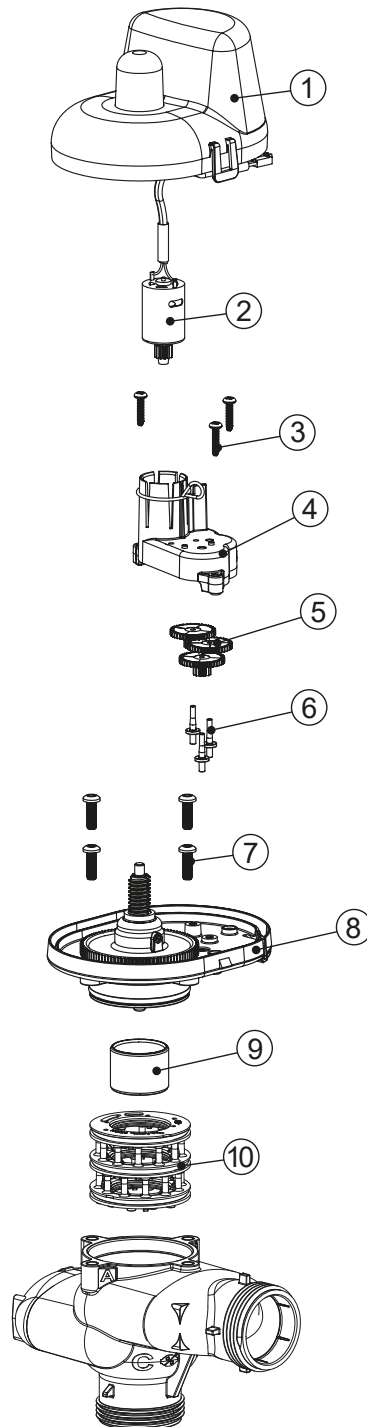
WS1 & WS1.25 - NO HARDWATER BYPASS (NHWPB)



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

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
07	10440000368	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.29
08	10440000092	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.99
09	10440000175	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.91
10	10440000177	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.33
Kit	10440000260	V3070FF	NHWBP WS1 & WS1.25 (female x female)	1	122.92
Kit	10440000082	V3070FM	NHWBP WS1 & WS1.25 (female x male)	1	123.30

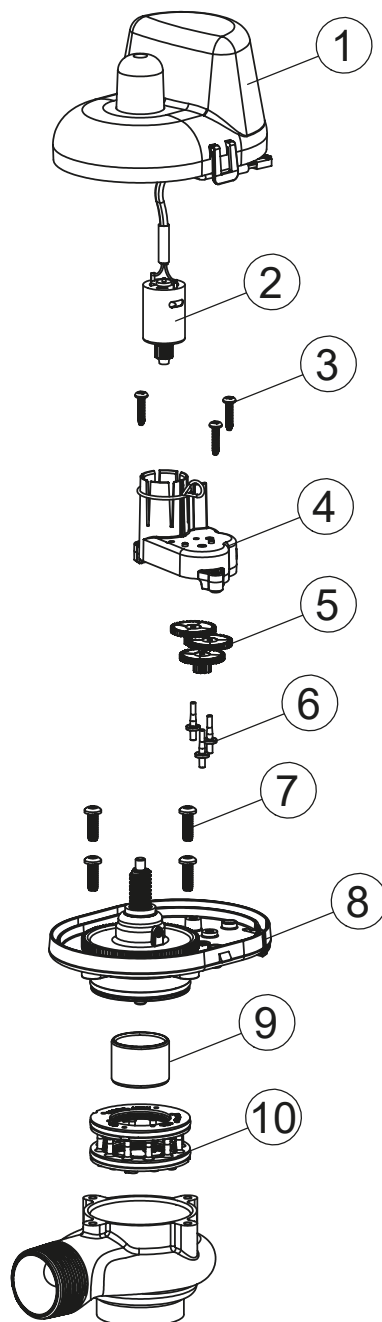
WS1.5 PLASTIC - NO HARDWATER BYPASS (NHWBP)



WS1.5 PLASTIC - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
06	10440000290	V3264	WS2 Reduction Gear Axel	1	0.59
07	10440000368	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.29
08	10440000092	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.99
09	10440000175	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.91
10	10440000177	V3074	MAV/NHWBP WS1, WS1.25 & WS1.5 Stack	1	13.33
N.S.	10440000061	V3805	Stain Relief Cover Kit	1	1.18

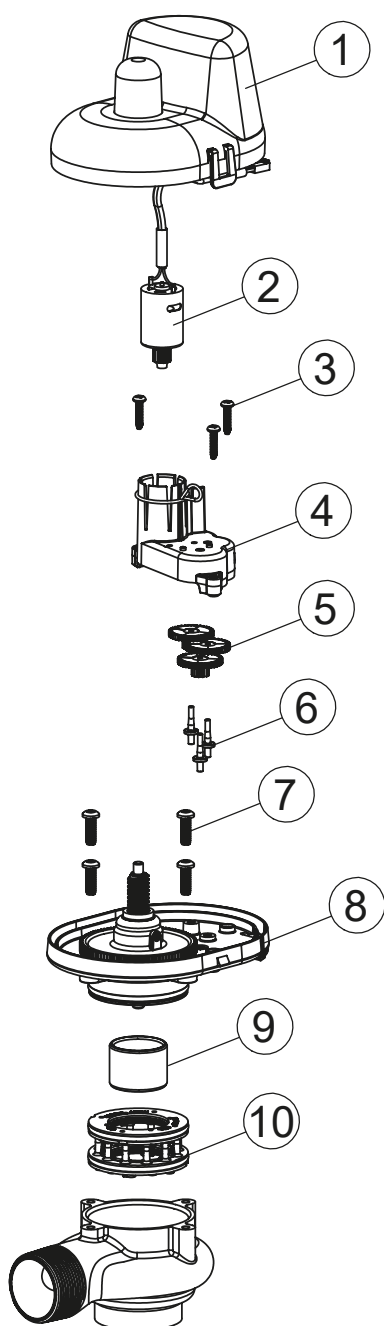
WS1.5 BRASS - NO HARDWATER BYPASS (NHWBP)



WS1.5 BRASS - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
07	10440000368	V3527	Screw 1/4-20 X 3/4 BHSGS SS	4	0.29
08	10440000092	V3072	MAV/NHWBP 1/1.25/1.5 Drive Asy	1	21.99
09	10440000175	V3506-01	MAV/NHWBP WS1, WS1.25 & WS1.5 Piston	1	29.91
10	10440000469	V3886	WS1.5 NHWBY stack assy	1	10.77
N.S.	10440000061	V3805	Stain Relief Cover Kit	1	1.18

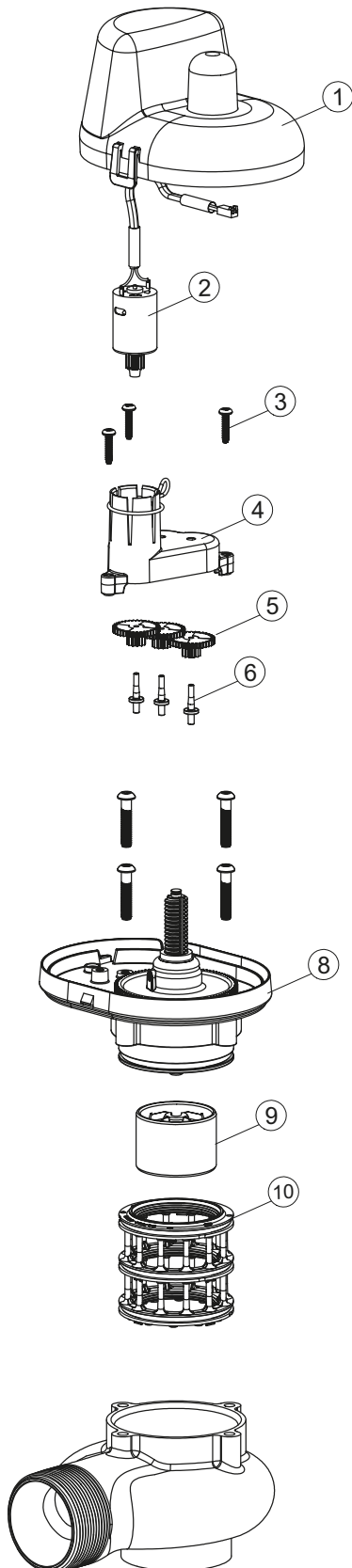
WS2 - NO HARDWATER BYPASS (NHWBP)



WS2 - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axle	3	0.59
07	10440000051	V3642	Bolt BHCS SS 1/4-20 x 1.25	4	0.65
08	10440000371	V3078	MAV/NHWBP 2" Drive Asy	1	37.72
09	10440000258	V3634-01	MAV/NHWBP 2" Piston	1	28.44
10	10440000049	V3887	WS2 No Hard Water Bypass Stack Assembly	1	15.01
N.S.	10440000061	V3805	Stain Relief Cover Kit	1	1.18

WS3 - NO HARDWATER BYPASS (NHWBP)



WS3 - NO HARDWATER BYPASS (NHWBP)

nr	Reference	Search Name	Item Name	Qty	£
01	10440000055	V3073	MAV/NHWBP Cover Assembly	1	16.78
02	10440000279	V3476	WS Motor Assembly 8'	1	19.44
03	10440000367	V3592	Screw #8 - 3/4 PHPN T-25 SS	3	0.19
04	10440000397	V3262-01	WS1.5/2 ALT / 2 Reduction Gear Cover Assembly	1	4.58
05	10440000303	V3110	Drive Gear 12x36	3	1.01
06	10440000290	V3264	WS2 Reduction Gear Axel	3	0.59
08	10440000458	V3085	WS3 MAV Drive cap Assy	1	124.14
09	10440000190	V3695-01	WS3 MAV Piston	1	41.53
10	10440000308	V3084	WS3 MAV Stack assembly	1	59.62
Kit	10440000272	V3099BSPT	NHWBP WS3 (male x female)	1	752.16



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