



# VALVES, CONTROLLERS AND ACCESSORIES

Autotrol, Clack, Fleck, Runxin, Siata



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## Autotrol Residential Valves Series 368

- For automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Valve rubber compounded for cold water, NSF listed material;
- Operating flow rate  $K_v = 3,68$ ;
- Backwash flow rate = 10 lpm @  $\Delta p$  1,72 bar;
- Resin volume range = 5 ÷ 25 litres;
- Available with the following controllers:
- 604 electronic chronometric; 606 electronic volumetric;
- With European transformer 12/230V - 50Hz;
- Accessories (e.g. upper screen, etc.) not included;
- Programmable chronometric regeneration (calendar override) and consumption statistical data memory.

| Ref.  | Description                                                              | Fam. | Subfam. | Disp. Stock |  |
|-------|--------------------------------------------------------------------------|------|---------|-------------|--|
| AB300 | VAL.368/604 3/4" M REFILL.14 INJ E DLFC 0.9 GPM 12/230V 50HZ EURO PLUG   | 10   | 26      | OK          |  |
| AB301 | VAL.368/604 3/4" M REFILL.14 INJ F DLFC 1.20 GPM12/230V 50HZ EURO PLUG   | 10   | 26      | OK          |  |
| AB302 | VAL.368/604 3/4" M REFILL.14 INJ G DLFC 1.60 GPM12/230V 50HZ EURO PLUG   | 10   | 26      | OK          |  |
| AB303 | VAL.368/604 3/4" M REFILL.14 INJ H DLFC 2.00 GPM12/230V 50HZ EURO PLUG   | 10   | 26      | NO          |  |
| AB400 | VAL.368/606 3/4" M REFILL.14 INJ E DLFC 0.9 GPM 12/230V 50HZ EURO PLUG   | 10   | 27      | NO          |  |
| AB401 | VAL.368/606 3/4" M REFILL.14 INJ F DLFC 1.20 GPM12/230V 50HZ EURO PLUG   | 10   | 27      | OK          |  |
| AB402 | VAL.368/606 3/4" M REFILL.14 INJ G DLFC 1.60 GPM12/230V 50HZ EURO PLUG   | 10   | 27      | OK          |  |
| AB403 | VAL.368/606 3/4" M REFILL.14 INJ H DLFC 2.00 GPM12/230V 50HZ EURO PLUG   | 10   | 27      | OK          |  |
| AB501 | VAL.368/606 3/4" M REF.14 INJ F DLFC 1.20 GPM 12/230V 50HZ EUR P+ BYPASS | 10   | 28      | NO          |  |
| AB502 | VAL.368/606 3/4" M REF.14 INJ G DLFC 1.60 GPM 12/230V 50HZ EUR P+ BYPASS | 10   | 28      | NO          |  |
| AB503 | VAL.368/606 3/4" M REF.14 INJ H DLFC 2.00 GPM 12/230V 50HZ EUR P+ BYPASS | 10   | 28      | NO          |  |

| Characteristics:                              |                           |
|-----------------------------------------------|---------------------------|
| Pressure vessel connection                    | Threaded 2 1/2" 8 UN male |
| Brine line connection                         | Threaded 3/8" NPT male    |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | ± 1/2" (= ± 13 mm)        |
| Weight (valve + controller)                   | 1,7 kg                    |
| Operating pressure                            | 1,38 ÷ 8,27 bar           |
| Water temperature                             | 2°C ÷ 38°C                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates      | Manufacturer | Sectors              |
|-------------------|--------------|----------------------|
| DM174-2004 ACS CE | Pentair      | Domestic, Commercial |



## Autotrol Residential Valves Series 255 with Easy IQ Controller



Con cover Slim  
With Slim cover



- For automatic and residential water softening systems;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material; operating flow rate Kv = 3,4;
- backwash flow rate = 22,7 lpm @ Δp 1,72 bar;
- resin volume range = 5 ÷ 75 litres;
- available with Easy IQ controller:
- with European transformer 12/230V - 50Hz (or with UK transformer for UK references);
- adapters and manifold kit not included, to order separately;
- accessories (e.g. upper screen, etc.) not included;
- **Note: references ending with letter B feature a blue ring (standard Pentair version).**

### With Standard cover

| Ref.          | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|---------------|--------------------------------------------------|------|---------|-------------|--|
| A255EIQ090    | VALV. 255 EASY IQ TC INJ.F BW#7 EURO PLUG        | 10   | 636     | OK          |  |
| A255EIQ091    | VALV. 255 EASY IQ TC INJ.G BW#8 EURO PLUG        | 10   | 636     | OK          |  |
| A255EIQ092    | VALV. 255 EASY IQ TC INJ.H BW#9 EURO PLUG        | 10   | 636     | OK          |  |
| A255EIQ093    | VALV. 255 EASY IQ TC INJ.J BW#10 EURO PLUG       | 10   | 636     | OK          |  |
| A255EIQ005B   | PN VALV. 255 EASY IQ TC INJ.J BW#10 EURO PLUG    | 10   | 636     | OK          |  |
| A255EIQ005BUK | PN VALV. 255 EASY IQ TC INJ.J BW#10 UK PLUG*     | 10   | 636     | NO          |  |
| A255EIQ093UK  | VALV. 255 EASY IQ TC INJ.J BW#10 UK PLUG*        | 10   | 636     | OK          |  |
| A255EIQ290    | VALV. 255 EASY IQ METER INJ.F BW#7 EURO PLUG     | 10   | 637     | OK          |  |
| A255EIQ291    | VALV. 255 EASY IQ METER INJ.G BW#8 EURO PLUG     | 10   | 637     | OK          |  |
| A255EIQ203B   | PN VALV. 255 EASY IQ METER INJ.G BW#8 EURO PLUG  | 10   | 637     | OK          |  |
| A255EIQ292    | VALV. 255 EASY IQ METER INJ.J BW#10 EURO PLUG    | 10   | 637     | OK          |  |
| A255EIQ205B   | PN VALV. 255 EASY IQ METER INJ.J BW#10 EURO PLUG | 10   | 637     | OK          |  |
| A255EIQ205BUK | PN VALV. 255 EASY IQ METER INJ.J BW#10 UK PLUG*  | 10   | 637     | NO          |  |
| A255EIQ292UK  | VALV. 255 EASY IQ VOLUM. INJ.J BW#10 UK PLUG*    | 10   | 637     | OK          |  |
| A255EIQ293    | VALV. 255 EASY IQ METER INJ.H BW#9 EURO PLUG     | 10   | 637     | OK          |  |

### With Slim cover

| Ref.         | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|--------------|--------------------------------------------------------------|------|---------|-------------|--|
| A255EIQ005BS | PN VALV. 255 EASY IQ TC INJ.J BW#10 EURO PLUG SLIM COVER*    | 10   | 636     | OK          |  |
| A255EIQ202BS | PN VALV. 255 EASY IQ METER INJ.F BW#7 EURO PLUG SLIM COVER   | 10   | 637     | OK          |  |
| A255EIQ203BS | PN VALV. 255 EASY IQ METER INJ.G BW#8 EURO PLUG SLIM COVER   | 10   | 637     | OK          |  |
| A255EIQ205BS | PN VALV. 255 EASY IQ METER INJ.J BW#10 EURO PLUG SLIM COVER* | 10   | 637     | OK          |  |
| A255EIQ290S  | VALV. 255 EASY IQ METER INJ.F BW#7 EURO PLUG SLIM COVER      | 10   | 637     | OK          |  |
| A255EIQ291S  | VALV. 255 EASY IQ METER INJ.G BW#8 EURO PLUG SLIM COVER      | 10   | 637     | OK          |  |
| A255EIQ292S  | VALV. 255 EASY IQ METER INJ.J BW#10 EURO PLUG SLIM COVER*    | 10   | 637     | OK          |  |

| Characteristics :                             |                           |
|-----------------------------------------------|---------------------------|
| Pressure vessel connection                    | Threaded 2 1/2" 8 UN male |
| Brine line connection                         | Threaded 3/4" NPT male    |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | 29 ± 3 mm                 |
| Weight (valve + controller)                   | 1,8 kg                    |
| Operating pressure                            | 1,38 ÷ 8,27 bar           |
| Water temperature                             | 2°C ÷ 38°C                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Signature Autotrol Residential Valves Kit Series 255 with Easy IQ Controller



- each 30 piece kit includes 30 Autotrol Valves 255 EIQ;
- for automatic and residential water softening systems;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material; operating flow rate Kv = 3,4;
- backwash flow rate = 22,7 lpm @  $\Delta p$  1,72 bar;
- resin volume range = 5 ÷ 75 litres;
- available with Easy IQ controller;
- with European transformer 12/230V - 50Hz;
- each 30 piece kit includes 30 pieces of each following items: 256 Bypass, Kit Mounting 255 - 1" 60"L, Coude 1/2", Fittings Union Elbow 3/8" x 3/8" Tube;
- any other adapter, manifold or accessory is not included;
- note: descriptions with "PN" refer to blue ring and Pentair software standard version.

NOTE: these products are not available in stock.

| Ref.          | Description                                     | Fam. | Subfam. | Disp. Stock |  |
|---------------|-------------------------------------------------|------|---------|-------------|--|
| SIG255EIQ-000 | 255 EIQ TC WITH ACCESSORIES - 08 (30 PCS) PN    | 10   | 637     | OK          |  |
| SIG255EIQ-001 | 255 EIQ METER WITH ACCESSORIES - 08 (30 PCS) PN | 10   | 637     | OK          |  |
| SIG255EIQ-002 | 255 EIQ METER WITH ACCESSORIES - 10 (30 PCS) PN | 10   | 637     | OK          |  |
| SIG255EIQ-090 | 255 EIQ METER WITH ACCESSORIES - 10 (30 PCS)    | 10   | 637     | NO          |  |

| Characteristics :                             |                           |
|-----------------------------------------------|---------------------------|
| Pressure vessel connection                    | Threaded 2 1/2" 8 UN male |
| Brine line connection                         | Threaded 1/4" NPT male    |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | 29 ± 3 mm                 |
| Weight (valve + controller)                   | 1,8 kg                    |
| Operating pressure                            | 1,38 ÷ 8,27 bar           |
| Water temperature                             | 2°C ÷ 38°C                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Residential Duplex Systems with Autotrol Valves Series 255 Twin and 764 Controller

- For automatic and residential / commercial water softening systems;
- For twin alternating and twin parallel systems;
- consisting of n.2 valves (one "main" and another one "secondary") with 764 electronic volumetric;
- with European transformer 12/230V - 50Hz;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate for each tank  $K_v = 3,4$ ;
- backwash flow rate for each tank = 22,7 lpm @  $\Delta p$  1,72 bar;
- resin volume range for each tank = 5 ÷ 75 litres;
- interconnection kit (REF. AV119) and accessories (e.g. upper screen, etc.) not included, to order separately.

| Ref.   | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|--------|--------------------------------------------------------------|------|---------|-------------|--|
| AF054E | VALV. 255/764 TWIN BW 10 INJ J SYMBOL 12/230V 50HZ EURO PLUG | 10   | 30      | OK          |  |
| AF056E | VALV. 255/764 TWIN BW 13 INJ L SYMBOL 12/230V 50HZ EURO PLUG | 10   | 30      | OK          |  |

| Characteristics:                              |                                                   |
|-----------------------------------------------|---------------------------------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male                           |
| Drain line connection                         | Threaded ½" male, included in interconnection kit |
| Brine line connection                         | Threaded ¼" NPT male                              |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)                                   |
| Distributor tube length above pressure vessel | 29 ± 3 mm                                         |
| Weight (valve + controller)                   | 1,8 kg                                            |
| Operating pressure                            | 1,38 ÷ 8,27 bar                                   |
| Water temperature                             | 2°C ÷ 38°C                                        |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Autotrol Residential Valves Series 268 with Easy IQ Controller



- For automatic and residential water softening systems;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate Kv = 5,6;
- backwash flow rate = 75,7 lpm @ Δp 1,72 bar;
- resin volume range = 30 ÷ 125 litres;
- available with Easy IQ controller;
- with European transformer 12/230V - 50Hz;
- adapters and manifold kit not included, to order separately;
- accessories (e.g. upper screen, etc.) not included;
- **Note: references ending with letter B feature a blue ring (standard Pentair version).**

| Ref.        | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------|------|---------|-------------|--|
| A268EIQ090  | VALV. 268 EASY IQ TC INJ.K BW#12 EURO PLUG       | 10   | 646     | OK          |  |
| A268EIQ003B | PN VALV. 268 EASY IQ TC INJ.L BW#13 EURO PLUG    | 10   | 646     | OK          |  |
| A268EIQ203B | PN VALV. 268 EASY IQ METER INJ.L BW#13 EURO PLUG | 10   | 646     | OK          |  |
| A268EIQ290  | VALV. 268 EASY IQ METER INJ.L BW#14 EURO PLUG    | 10   | 646     | OK          |  |

| Characteristics:                              |                         |
|-----------------------------------------------|-------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male   |
| Brine line connection                         | Threaded ¾" NPT, male   |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)         |
| Distributor tube length above pressure vessel | ½" ± ½" (= 13 ± 13 mm)  |
| Weight (valve + controller)                   | 2,42 kg                 |
| Operating pressure                            | 1,38 ÷ 8,27 bar         |
| Water temperature                             | 2°C ÷ 38°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Autotrol Residential Valves Series 263 with Easy IQ Controller



- For automatic and residential water filtration systems;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate Kv = 5,6;
- backwash flow rate = 75,7 lpm @ Δp 1,72 bar;
- available with Easy IQ controller;
- with European transformer 12/230V - 50Hz;
- adapters and manifold kit not included, to order separately;
- accessories (e.g. upper screen, etc.) not included;
- **Note: references ending with letter B feature a blue ring (standard Pentair version).**

| Ref.        | Description                                          | Fam. | Subfam. | Disp. Stock |  |
|-------------|------------------------------------------------------|------|---------|-------------|--|
| A263EIQ090  | VALV. 263 EASY IQ TC FILTER INJ.L NO BW EURO PLUG    | 10   | 643     | OK          |  |
| A263EIQ001B | PN VALV. 263 EASY IQ TC FILTER INJ.L NO BW EURO PLUG | 10   | 643     | OK          |  |

| Characteristics:                              |                         |
|-----------------------------------------------|-------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male   |
| Brine line connection                         | Threaded ¾" NPT, male   |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)         |
| Distributor tube length above pressure vessel | ½" ± ½" (= 13 ± 13 mm)  |
| Weight (valve + controller)                   | 2,42 kg                 |
| Operating pressure                            | 1,38 ÷ 8,27 bar         |
| Water temperature                             | 2°C ÷ 38°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Signature Autotrol Valves Kit 263 with Easy IQ Controller



- The kit includes 30 Autotrol valves 263 Easy IQ TC;
- For automatic and residential water filtration systems;
- Valve body in NSF listed Noryl plastic material;
- Valve rubber compounded for cold water, NSF listed material;
- Operating flow rate  $K_v = 5,6$ ;
- Backwash flow rate = 75,7 lpm @  $\Delta p$  1,72 bar;
- With Easy IQ controller;
- With European transformer 12/230V - 50Hz;
- The kit includes 30pcs of each of the following items: 1265 bypass, 1/2" drain elbow, riser tube 1,05";
- Adapters and manifold kit not included, to order separately.

| Ref.          | Description                             | Fam. | Subfam. | Disp. Stock |  |
|---------------|-----------------------------------------|------|---------|-------------|--|
| SIG263EIQ-001 | 263 EIQ TC WITH ACCESSORIES (30 PCS) PN | 10   | 643     | OK          |  |

| Characteristics:                              |                         |
|-----------------------------------------------|-------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male   |
| Brine line connection                         | Threaded ¾" NPT, male   |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)         |
| Distributor tube length above pressure vessel | ½" ± ½" (= 13 ± 13 mm)  |
| Weight (valve + controller)                   | 2,42 kg                 |
| Operating pressure                            | 1,38 ÷ 8,27 bar         |
| Water temperature                             | 2°C ÷ 38°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates       | Manufacturer | Sectors  |
|--------------------|--------------|----------|
| DM174-2004, ACS CE | Pentair      | Domestic |



## Autotrol Residential Valves Series 268FA with Easy IQ Controller



- For automatic and residential water 5 cycles iron removal systems;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate Kv = 5,6;
- backwash flow rate = 75,7 lpm @ Δp 1,72 bar;
- available with Easy IQ controller;
- with European transformer 12/230V - 50Hz;
- adapters and manifold kit not included, to order separately;
- accessories (e.g. upper screen, etc.) not included.

| Ref.         | Description                                                          | Fam. | Subfam. | Disp. Stock |  |
|--------------|----------------------------------------------------------------------|------|---------|-------------|--|
| A268FAEIQ090 | VALV. 268FA EASY IQ 13" FILTER INJ.L DI REFILL CAP(10 GPM) EURO PLUG | 10   | 648     | OK          |  |

| Characteristics :                             |                         |
|-----------------------------------------------|-------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male   |
| Brine line connection                         | Threaded ¾" NPT, male   |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)         |
| Distributor tube length above pressure vessel | ½" ± ½" (= 13 ± 13 mm)  |
| Weight (valve + controller)                   | 2,42 kg                 |
| Operating pressure                            | 1,38 ÷ 8,27 bar         |
| Water temperature                             | 2°C ÷ 38°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Autotrol Residential Valves Series 269 with Easy IQ Controller



- For automatic and residential water softening systems;
- variable brining upflow regeneration;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate  $K_v = 5,6$ ;
- backwash flow rate = 75,7 lpm @  $\Delta p$  1,72 bar;
- resin volume up to 75 litres;
- available with Easy IQ controller;
- with European transformer 12/230V - 50Hz;
- adapters and manifold kit not included, to order separately;
- accessories (e.g. upper screen, etc.) not included;
- designed for resin volume < 50 liter with 10" tank. For tanks with a different diameter, please order separately correct DLFC.

| Ref.       | Description                                              | Fam. | Subfam. | Disp. Stock |  |
|------------|----------------------------------------------------------|------|---------|-------------|--|
| A269EIQ001 | VALV. 269 EASY IQ UPFLOW UP TO 14" INJ.5 BW#10 EURO PLUG | 10   | 651     | OK          |  |

| Characteristics:                              |                         |
|-----------------------------------------------|-------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male   |
| Brine line connection                         | Threaded ¾" NPT, male   |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)         |
| Distributor tube length above pressure vessel | ½" ± ½" (= 13 ± 13 mm)  |
| Weight (valve + controller)                   | 2,42 kg                 |
| Operating pressure                            | 1,38 ÷ 8,27 bar         |
| Water temperature                             | 2°C ÷ 38°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Autotrol Residential Valves Series 278 with Easy IQ Controller



- For automatic water softening systems with high resin volume;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate Kv = 5,6;
- backwash flow rate = 75,7 lpm @ Δp 1,72 bar;
- resin volume range = 45 ÷ 225 litres;
- available with Easy IQ controller;
- with European transformer 12/230V - 50Hz;
- adapters and manifold kit not included, to order separately;
- accessories (e.g. upper screen, etc.) not included;
- **Note: references ending with letter B feature a blue ring (standard Pentair version).**

| Ref.        | Description                                                 | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------------------------------|------|---------|-------------|--|
| A278EIQ091  | VALV. 278 EASY IQ TC INJ.M REFILL1.3 BW#14 EURO PLUG        | 10   | 655     | OK          |  |
| A278EIQ001B | PN VALV. 278 EASY IQ TC INJ.M REFILL1.3 BW#14 EURO PLUG     | 10   | 655     | OK          |  |
| A278EIQ291  | VALV. 278 EASY IQ METER INJ.M REFILL1.3 BW#14 EURO PLUG     | 10   | 657     | OK          |  |
| A278EIQ201B | PN VALV. 278 EASY IQ VOLUM. INJ.M REFILL1.3 BW#14 EURO PLUG | 10   | 657     | OK          |  |

| Characteristics :                             |                         |
|-----------------------------------------------|-------------------------|
| Pressure vessel connection                    | Threaded 2 ½" 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male   |
| Brine line connection                         | Threaded ¾" NPT, male   |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)         |
| Distributor tube length above pressure vessel | ½" ± ½" (= 13 ± 13 mm)  |
| Weight (valve + controller)                   | 2,42 kg                 |
| Operating pressure                            | 1,38 ÷ 8,27 bar         |
| Water temperature                             | 2°C ÷ 38°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Pentair      | Domestic |



## Residential Duplex Systems with Autotrol Residential Valves Series 278 Twin and 764 Controller



- For automatic and residential / commercial water softening systems;
- for twin alternating and twin parallel systems;
- consisting of n.2 valves (one "main" and another one "secondary") with 764 electronic volumetric;
- with European transformer 12/230V - 50Hz;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate for each tank  $K_v = 5,6$ ;
- backwash flow rate for each tank = 75,7 lpm @  $\Delta p$  1,72 bar;
- resin volume range for each tank = 45 ÷ 225 litres;
- interconnection kit and accessories (e.g. upper screen, etc.) not included, to order separately

| Ref    | Description                                                        | Fam. | Subfam. | Disp. Stock |  |
|--------|--------------------------------------------------------------------|------|---------|-------------|--|
| AN083E | VALV. 278/764 TWIN 1.3 M 14 SYMBOL 12/230V 50HZ EURO PLUG          | 10   | 53      | OK          |  |
| AN084E | VALV. 278/764 TWIN 1.3 N 16 (7 GPM) SYMBOL 12/230V 50HZ EURO PLUG  | 10   | 53      | OK          |  |
| AN085E | VALV. 278/764 TWIN 1.3 Q 18 (9 GPM) SYMBOL 12/230V 50HZ EURO PLUG  | 10   | 53      | OK          |  |
| AN086E | VALV. 278/764 TWIN 1.3 R 21 (12 GPM) SYMBOL 12/230V 50HZ EURO PLUG | 10   | 53      | OK          |  |

| Characteristics :                             |                            |
|-----------------------------------------------|----------------------------|
| Pressure vessel connection                    | Threaded 2 1/2" 8 UN male  |
| Drain line connection                         | Threaded 3/4" NPT, male    |
| Brine line connection                         | Threaded 3/8" NPT, male    |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)            |
| Distributor tube length above pressure vessel | 1/2" ± 1/2" (= 13 ± 13 mm) |
| Weight (valve + controller)                   | 2,42 kg                    |
| Operating pressure                            | 1,38 ÷ 8,27 bar            |
| Water temperature                             | 2°C ÷ 38°C                 |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors                |
|---------------------|--------------|------------------------|
| DM174-2004, ACS, CE | Pentair      | Commercial, Industrial |



## Autotrol Industrial Softening Magnum CV 1,5" Valves with Series Logix Controller



- For automatic and industrial water softening systems;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter;
- o-rings in EPDM material;
- operating flow rate Kv = 17,3;
- backwash flow rate = 337 lpm @ Δp 1,72 bar;
- resin volume range = 100 ÷ 700 litres;
- available with series LOGIX controller;
- 764 electronic volumetric programmable;
- with European transformer 12/230V - 50/60 Hz;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately;
- 2" meter included;
- brine tank refill system doesn't need a brine valve, but just an air-check;
- PVC 2" side mounting adapter available on demand;
- if you want to connect the 2" meter, you must order our reference CD163 separately (2 pieces needed);
- **DLFC has to be purchased separately.**

| Ref.        | Description                                                       | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------------------------------------|------|---------|-------------|--|
| A298CV16HWB | MAGNUM 1.5" 298/764 16" (NO BW) HWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 80      | OK          |  |
| A298CV18HWB | MAGNUM 1.5" 298/764 18" (NO BW) HWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 80      | OK          |  |
| A298CV36NHB | MAGNUM 1.5" 298/764 36" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 80      | OK          |  |

| Characteristics:                              |                                          |
|-----------------------------------------------|------------------------------------------|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                  |
| Drain line connection                         | 1,5" SS - NPT/BSPT male D50 CPVC to glue |
| Brine line connection                         | Threaded 3/4" NPT male                   |
| Distributor tube O. D. diameter               | 1,5" (= 48,3 mm)                         |
| Pilot drain and auxiliary hydraulic out       | 1/4" tube fitting Jaco                   |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                |
| Weight (valve + controller)                   | 12,3 kg                                  |
| Operating pressure                            | 1,72 ÷ 6,90 bar                          |
| Water temperature                             | 1°C ÷ 36°C                               |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
| 41x60x50   | 1         | 17,0        | 120x80x210    | 16           | 28,5           |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



## Autotrol Industrial Magnum CV 1,5" Valves for Filtration with Series Logix Controller



- For automatic and industrial water filtration systems;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter;
- o-rings in EPDM material;
- operating flow rate Kv = 17,3;
- backwash flow rate = 337 lpm @  $\Delta p$  1,72 bar;
- available with series LOGIX controller
- 742 F electronic chronometric programmable;
- with European transformer 12/230V - 50/60 Hz;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately
- PVC 2" side mounting adapter available on demand (REF. CC084).

| Ref         | Description                                                    | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------------------------------|------|---------|-------------|--|
| A293CV05UWB | MAGNUM 1.5" 293/742F (5 GPM) UWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 80      | OK          |  |
| A293CV05NUB | MAGNUM 1.5" 293/742F (5 GPM) NUB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 80      | OK          |  |

| Characteristics:                              |                                          |
|-----------------------------------------------|------------------------------------------|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                  |
| Drain line connection                         | 1,5" SS - NPT/BSPT male D50 CPVC to glue |
| Brine line connection                         | Threaded 3/4" NPT male                   |
| Distributor tube O. D. diameter               | 1,5" (= 48,3 mm)                         |
| Pilot drain and auxiliary hydraulic out       | 1/4" tube fitting Jaco                   |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                |
| Weight (valve + controller)                   | 12,3 kg                                  |
| Operating pressure                            | 1,72 ÷ 6,90 bar                          |
| Water temperature                             | 1°C ÷ 36°C                               |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



## Autotrol Industrial Softening Magnum IT 2" Valves with Series Logix Controller

- for automatic and industrial water softening systems;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter;
- o-rings in EPDM material;
- operating flow rate Kv = 18,2;
- backwash flow rate = 337 lpm @ Δp 1,72 bar;
- resin volume range = 100 ÷ 700 litres;
- available with series LOGIX controller;
- 764 electronic volumetric programmable;
- with European transformer 12/230V - 50/60 Hz;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately;
- brine tank refill system doesn't need a brine valve, but just an air-check;
- PVC 2" side mounting adapter available on demand (REF. CC084);
- **DLFC has to be purchased separately.**

| Ref.        | Description                                                        | Fam. | Subfa m. | Disp. Stock |  |
|-------------|--------------------------------------------------------------------|------|----------|-------------|--|
| A298IT18HWB | MAGNUM IT 2" 298/764 18" (NO BW) HWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |
| A298IT21HWB | MAGNUM IT 2" 298/764 21" (NO BW) HWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |
| A298IT24HWB | MAGNUM IT 2" 298/764 24" (NO BW) HWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |
| A298IT36HWB | MAGNUM IT 2" 298/764 36" (NO BW) HWB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |
| A298IT24NHB | MAGNUM IT 2" 298/764 24" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |
| A298IT30NHB | MAGNUM IT 2" 298/764 30" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |
| A298IT36NHB | MAGNUM IT 2" 298/764 36" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81       | OK          |  |

| Characteristics:                              |                                          |
|-----------------------------------------------|------------------------------------------|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                  |
| Drain line connection                         | 1,5" SS - NPT/BSPT male D50 CPVC to glue |
| Brine line connection                         | Threaded ¾" NPT male                     |
| Distributor tube O. D. diameter               | 1,5" (= 48,3 mm)                         |
| Pilot drain and auxiliary hydraulic out       | Jaco ¾" tubo                             |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                |
| Weight (valve + controller)                   | 12,3 kg                                  |
| Operating pressure                            | 1,72 ÷ 6,90 bar                          |
| Water temperature                             | 1°C ÷ 36°C                               |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



## Autotrol Industrial Magnum IT 2" Valves for Filtration with Series Logix Controller

- For automatic and industrial water filtration systems;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter;
- o-rings in EPDM material;
- operating flow rate Kv = 18,2;
- backwash flow rate = 337 lpm @ Δp 1,72 bar;
- available with series LOGIX controller;
- 742 F electronic chronometric programmable;
- with European transformer 12/230V - 50/60 Hz;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately;
- PVC 2" side mounting adapter available on demand (REF. CC084).

| Ref.        | Description                                                    | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------------------------------|------|---------|-------------|--|
| A293IT05UWB | MAGNUM IT 2" 293/742F (5 GPM) UWB SYMBOL 12/230V50HZ EURO PLUG | 20   | 81      | OK          |  |
| A293IT05NUB | MAGNUM IT 2" 293/742F (5 GPM) NUB SYMBOL 12/230V50HZ EURO PLUG | 20   | 81      | OK          |  |

| Characteristics :                             |                                          |
|-----------------------------------------------|------------------------------------------|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                  |
| Drain line connection                         | 1,5" SS - NPT/BSPT male D50 CPVC to glue |
| Brine line connection                         | Threaded ¾" NPT male                     |
| Distributor tube O. D. diameter               | 1,5" (= 48,3 mm)                         |
| Pilot drain and auxiliary hydraulic out       | ¼" tube fitting Jaco                     |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                |
| Weight (valve + controller)                   | 12,3 kg                                  |
| Operating pressure                            | 1,72 ÷ 6,90 bar                          |
| Water temperature                             | 1°C ÷ 36°C                               |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



## Industrial Duplex Systems with Autotrol Softening Magnum IT 2" Valves and 764 Controller



- For automatic and industrial water softening systems;
- for twin alternating and twin parallel systems;
- consisting of n.2 valves (one "main" and another one "secondary") with 764 electronic volumetric;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter;
- o-rings in EPDM material;
- operating flow rate for each tank  $K_v = 18,2$ ;
- backwash flow rate for each tank = 337 lpm @  $\Delta p$  1,72 bar;
- resin volume range for each tank = 100 ÷ 700 litres;
- with European transformer 12/230V - 50/60 Hz;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately;
- brine tank refill system doesn't need a brine valve, but just an air-check;
- PVC 2" side mounting adapter available on demand (REF. CC084);
- interconnection not included;
- **DLFC (1 pc. per valve body) has to be purchased separately.**

| Ref.          | Description                                                             | Fam. | Subfam. | Disp. Stock |  |
|---------------|-------------------------------------------------------------------------|------|---------|-------------|--|
| A298ITTW16NHB | MAGNUM 298 2" MIT-TWS-764-16" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81      | OK          |  |
| A298ITTW18NHB | MAGNUM 298 2" MIT-TWS-764-18" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81      | OK          |  |
| A298ITTW21NHB | MAGNUM 298 2" MIT-TWS-764-21" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81      | OK          |  |
| A298ITTW24NHB | MAGNUM 298 2" MIT-TWS-764-24" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81      | OK          |  |
| A298ITTW30NHB | MAGNUM 298 2" MIT-TWS-764-30" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81      | OK          |  |
| A298ITTW36NHB | MAGNUM 298 2" MIT-TWS-764-36" (NO BW) NHB SYMBOL 12/230V 50HZ EURO PLUG | 20   | 81      | OK          |  |

| Characteristics:                              |                                          |
|-----------------------------------------------|------------------------------------------|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                  |
| Drain line connection                         | 1,5" SS - NPT/BSPT male D50 CPVC to glue |
| Brine line connection                         | Threaded 3/4" NPT male                   |
| Distributor tube O. D. diameter               | 1,5" (= 48,3 mm)                         |
| Pilot drain and auxiliary hydraulic out       | 1/4" tube fitting Jaco                   |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                |
| Weight (valve + controller)                   | 12,3 kg                                  |
| Operating pressure                            | 1,72 ÷ 6,90 bar                          |
| Water temperature                             | 1°C ÷ 36°C                               |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
| 41x60x50   | 1         | 34,0        | 120x80x210    | 8            | 28,5           |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



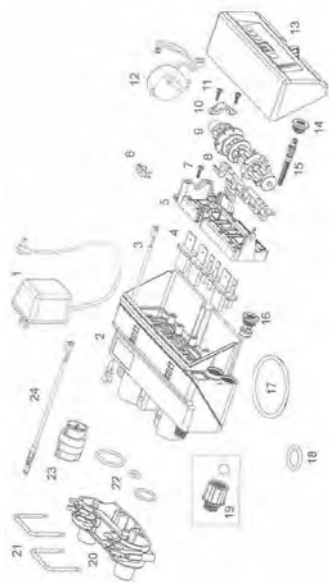
## 368/604 VALVE PARTS LIST

| Number    | Ref.  | P.N.    | Description                                                              | Fam. | Subfam. | Disp. Stock |  |
|-----------|-------|---------|--------------------------------------------------------------------------|------|---------|-------------|--|
| 1         | AW500 | 1000814 | EUROPEAN TRANSFORMER 230/12V                                             | 10   | 64      | OK          |  |
| 1         | AW501 | 1000813 | BRITISH TRANSFORMER                                                      | 10   | 64      | OK          |  |
| 6         | AW129 | 1235373 | OPTIC SENSOR P/N 1235373                                                 | 10   | 64      | OK          |  |
| 7         | AW174 | 3030450 | TOP PLATE SCREW NO 8x9/16"                                               | 10   | 64      | NO          |  |
| 9         | AW253 | 3022014 | CAMSHAFT FOR 366 367 368                                                 | 10   | 64      | OK          |  |
| 10        | CD100 | 1000589 | PILLOW BLOCK CAP                                                         | 20   | 83      | OK          |  |
| 11        | AW174 | 3030450 | TOP PLATE SCREW NO 8x9/16"                                               | 10   | 64      | NO          |  |
| 12        | AW254 | 3026537 | MOTOR CABLE ASSEMBLY 366 367 368                                         | 10   | 64      | OK          |  |
| 13        | AW280 | 4001737 | TIMER 604 12V 50-60HZ                                                    | 10   | 64      | NO          |  |
| 14        | AW107 | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                                            | 10   | 64      | OK          |  |
| 15        | AW267 | 3025327 | SCREEN ASSEMBLY INJECTOR F PEACH WITH O-RING + FILTER 366 367 368        | 10   | 64      | NO          |  |
| 15        | AW268 | 3025328 | SCREEN ASSEMBLY INJECTOR G TAN WITH O-RING + FILTER 366 367 368          | 10   | 64      | OK          |  |
| 15        | AW269 | 3025329 | SCREEN ASSEMBLY INJECTOR H LIGHT PURPLE WITH O-RING + FILTER 366 367 368 | 10   | 64      | NO          |  |
| 16        | AW115 | 1000221 | BRINE REFILL CONTROL ASSEMBLY .14GPM                                     | 10   | 64      | NO          |  |
| 17        | AW172 | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"                                | 10   | 64      | OK          |  |
| 18        | AW169 | 1232370 | O-RING 1.05"                                                             | 10   | 64      | OK          |  |
| 19        | AV146 | 3031526 | EXTERNAL BACKWASH CONTROL PEANUT 0.9 GPM # 06                            | 10   | 62      | NO          |  |
| 19        | AV147 | 3031527 | EXTERNAL BACKWASH CONTROL PEANUT 1.20 GPM # 07                           | 10   | 62      | NO          |  |
| 19        | AV148 | 3031528 | EXTERNAL BACKWASH CONTROL PEANUT 1.60 GPM # 08                           | 10   | 62      | OK          |  |
| 19        | AV149 | 3031529 | EXTERNAL BACKWASH CONTROL PEANUT 2.00 GPM # 09                           | 10   | 62      | OK          |  |
| 20        | AW255 | 4000970 | MANIFOLD 3/4" BSPT INLET/OUTLET                                          | 10   | 64      | NO          |  |
| 22        | AW257 | 3031825 | O-RING KIT MANIFOLD 367                                                  | 10   | 64      | NO          |  |
| Not shown | AV185 | 3022042 | MIXING VALVE FOR 366-368 VALVE                                           | 10   | 62      | NO          |  |





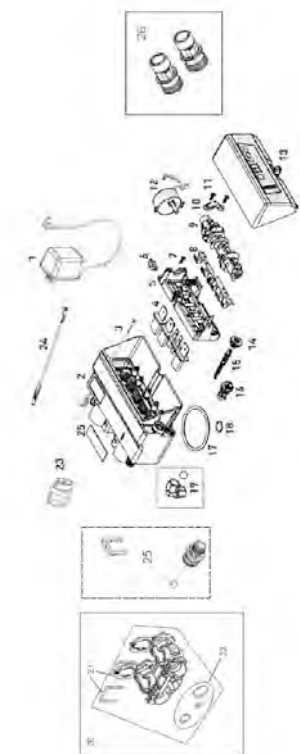
## 368/606 VALVE PARTS LIST



| Number    | Ref.  | P.N.    | Description                                                              | Fam. | Subfam. | Disp. Stock |  |
|-----------|-------|---------|--------------------------------------------------------------------------|------|---------|-------------|--|
| 1         | AW500 | 1000814 | EUROPEAN TRANSFORMER 230/12V                                             | 10   | 64      | OK          |  |
| 1         | AW501 | 1000813 | BRITISH TRANSFORMER                                                      | 10   | 64      | OK          |  |
| 6         | AW129 | 1235373 | OPTIC SENSOR P/N 1235373                                                 | 10   | 64      | OK          |  |
| 7         | AW174 | 3030450 | TOP PLATE SCREW NO 8x9/16"                                               | 10   | 64      | NO          |  |
| 9         | AW253 | 3022014 | CAMSHAFT FOR 366 367 368                                                 | 10   | 64      | OK          |  |
| 10        | CD100 | 1000589 | PILLOW BLOCK CAP                                                         | 20   | 83      | OK          |  |
| 11        | AW174 | 3030450 | TOP PLATE SCREW NO 8x9/16"                                               | 10   | 64      | NO          |  |
| 12        | AW254 | 3026537 | MOTOR CABLE ASSEMBLY 366 367 368                                         | 10   | 64      | OK          |  |
| 13        | AW281 | 4001738 | TIMER 606 12V 50-60HZ                                                    | 10   | 64      | NO          |  |
| 14        | AW107 | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                                            | 10   | 64      | OK          |  |
| 15        | AW267 | 3025327 | SCREEN ASSEMBLY INJECTOR F PEACH WITH O-RING + FILTER 366 367 368        | 10   | 64      | NO          |  |
| 15        | AW268 | 3025328 | SCREEN ASSEMBLY INJECTOR G TAN WITH O-RING + FILTER 366 367 368          | 10   | 64      | OK          |  |
| 15        | AW269 | 3025329 | SCREEN ASSEMBLY INJECTOR H LIGHT PURPLE WITH O-RING + FILTER 366 367 368 | 10   | 64      | NO          |  |
| 16        | AW115 | 1000221 | BRINE REFILL CONTROL ASSEMBLY .14GPM                                     | 10   | 64      | NO          |  |
| 17        | AW172 | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"                                | 10   | 64      | OK          |  |
| 18        | AW169 | 1232370 | O-RING 1.05"                                                             | 10   | 64      | OK          |  |
| 19        | AV146 | 3031526 | EXTERNAL BACKWASH CONTROL PEANUT 0.9 GPM # 06                            | 10   | 62      | NO          |  |
| 19        | AV147 | 3031527 | EXTERNAL BACKWASH CONTROL PEANUT 1.20 GPM # 07                           | 10   | 62      | NO          |  |
| 19        | AV148 | 3031528 | EXTERNAL BACKWASH CONTROL PEANUT 1.60 GPM # 08                           | 10   | 62      | OK          |  |
| 19        | AV149 | 3031529 | EXTERNAL BACKWASH CONTROL PEANUT 2.00 GPM # 09                           | 10   | 62      | OK          |  |
| 20        | AW255 | 4000970 | MANIFOLD 3/4" BSPT INLET/OUTLET                                          | 10   | 64      | NO          |  |
| 21        | AW256 | 3027831 | CLIP ATTACCO VALV. 367                                                   | 10   | 64      | NO          |  |
| 22        | AW257 | 3031825 | O-RING KIT MANIFOLD 367                                                  | 10   | 64      | NO          |  |
| 24        | AW259 | 3027837 | TURBINE CABLE 367                                                        | 10   | 64      | NO          |  |
| Not shown | AV185 | 3022042 | MIXING VALVE FOR 366-368 VALVE                                           | 10   | 62      | NO          |  |



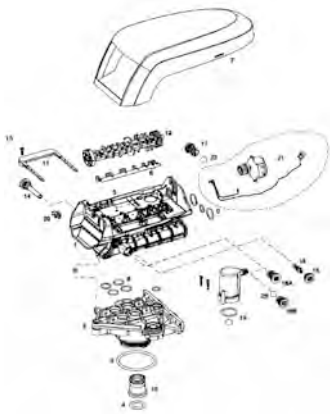
## 368/606B VALVE EXPLODED VIEW



| Number    | Ref.   | P.N.    | Description                                                              | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------|--------|---------|--------------------------------------------------------------------------|------|-------------|----------------|--|
| 1         | AW500  | 1000814 | EUROPEAN TRANSFORMER 230/12V                                             | 10   | 64          | OK             |  |
| 1         | AW501  | 1000813 | BRITISH TRANSFORMER                                                      | 10   | 64          | OK             |  |
| 6         | AW129  | 1235373 | OPTIC SENSOR P/N 1235373                                                 | 10   | 64          | OK             |  |
| 7         | AW174  | 3030450 | TOP PLATE SCREW NO 8x9/16"                                               | 10   | 64          | NO             |  |
| 9         | AW253  | 3022014 | CAMSHAFT FOR 366 367 368                                                 | 10   | 64          | OK             |  |
| 10        | CD100  | 1000589 | PILLOW BLOCK CAP                                                         | 20   | 83          | OK             |  |
| 11        | AW174  | 3030450 | TOP PLATE SCREW NO 8x9/16"                                               | 10   | 64          | NO             |  |
| 12        | AW254  | 3026537 | MOTOR CABLE ASSEMBLY 366 367 368                                         | 10   | 64          | OK             |  |
| 13        | AW281  | 4001738 | TIMER 606 12V 50-60HZ                                                    | 10   | 64          | NO             |  |
| 14        | AW107  | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                                            | 10   | 64          | OK             |  |
| 15        | AW267  | 3025327 | SCREEN ASSEMBLY INJECTOR F PEACH WITH O-RING + FILTER 366 367 368        | 10   | 64          | NO             |  |
| 15        | AW268  | 3025328 | SCREEN ASSEMBLY INJECTOR G TAN WITH O-RING + FILTER 366 367 368          | 10   | 64          | OK             |  |
| 15        | AW269  | 3025329 | SCREEN ASSEMBLY INJECTOR H LIGHT PURPLE WITH O-RING + FILTER 366 367 368 | 10   | 64          | NO             |  |
| 16        | AW115  | 1000221 | BRINE REFILL CONTROL ASSEMBLY .14GPM                                     | 10   | 64          | NO             |  |
| 17        | AW172  | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"                                | 10   | 64          | OK             |  |
| 18        | AW169  | 1232370 | O-RING 1.05"                                                             | 10   | 64          | OK             |  |
| 19        | AV174  |         | ELBOW DRAIN FITTING 1/2" F                                               | 10   | 62          | OK             |  |
| 20        | AW290  | 4000886 | BYPASS VALVE 368/606                                                     | 10   | 64          | OK             |  |
| 22        | AW257  | 3031825 | O-RING KIT MANIFOLD 367                                                  | 10   | 64          | NO             |  |
| 24        | AW259  | 3027837 | TURBINE CABLE 367                                                        | 10   | 64          | NO             |  |
| 25        | AV146B | 4001297 | EXTERNAL BACKWASH CONTROL 368 BYPASS 0.90 GPM # 0                        | 10   | 62          | NO             |  |
| 25        | AV147B | 4001298 | EXTERNAL BACKWASH CONTROL 368 BYPASS 1.20 GPM # 0                        | 10   | 62          | NO             |  |
| 25        | AV148B | 4001299 | EXTERNAL BACKWASH CONTROL 368 BYPASS 1.60 GPM # 0                        | 10   | 62          | NO             |  |
| 25        | AV149B | 4001300 | EXTERNAL BACKWASH CONTROL 368 BYPASS 2.0 GPM # 09                        | 10   | 62          | OK             |  |
| 26        | AW275  | 4001606 | KIT 3/4" BSP CONNECTORS                                                  | 10   | 64          | OK             |  |
| Not shown | AV185  | 3022042 | MIXING VALVE FOR 366-368 VALVE                                           | 10   | 62          | NO             |  |



## VALVE LOGIX 255 PARTS LIST



| Number    | Ref   | P.N.    | Description                                            | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------|-------|---------|--------------------------------------------------------|------|-------------|----------------|--|
| 1+5+6     | AW168 |         | 255/700 VALVE ASSEMBLY W/O FLOW CONTROLS               | 10   | 64          | NO             |  |
| 2         | AW170 | 1033784 | ADAPTER PRESSURE VESSEL 2.1/2" FOR TUBE 1.05"          | 10   | 64          | OK             |  |
| 3         | AW172 | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"              | 10   | 64          | OK             |  |
| 4         | AW169 | 1232370 | O-RING 1.05"                                           | 10   | 64          | OK             |  |
| 5         | AW162 | 1235340 | TOP PLATE 253/255 LOGIX P/N 1235341                    | 10   | 64          | NO             |  |
| 6         | AW163 | 1235341 | SPRING ONE PIECE 255 VALVE P/N 1235341                 | 10   | 64          | OK             |  |
| 7         | AW148 | 1236246 | 253-5/263-8 LOGIX STANDARD COVER P/N 1236246           | 10   | 64          | NO             |  |
| Not shown | AW145 | 1242234 | 255 LOGIX SLIM COVER                                   | 10   | 64          | NO             |  |
| 8         | AW195 | 1001404 | O-RING SET FOR 255 VALVE TOP/BOTTOM COUPLING           | 10   | 64          | OK             |  |
| 9         | AW196 | 1040459 | O-RING SET*                                            | 10   | 64          | OK             |  |
| Not shown | AW180 | 1000250 | VALVE DISCS KIT FOR 255                                | 10   | 64          | OK             |  |
| Not shown | AV037 | 1239760 | BLENDING KIT SCREW FOR 700 SERIES AND 255/400 NEWSTYLE | 10   | 62          | OK             |  |
| 11        | AW173 | 1031402 | LOCKING BAR                                            | 10   | 64          | NO             |  |
| 12        | AW149 | 1235353 | CAMSHAFT 253/255 LOGIX P/N 1235353                     | 10   | 64          | OK             |  |
| 13        | AW174 | 3030450 | TOP PLATE SCREW NO 8x9/16"                             | 10   | 64          | NO             |  |
| 14        | AW125 | 1000226 | SCREEN/CAP ASSEMBLY WITH O-RING                        | 10   | 64          | OK             |  |
| 15        | AW133 | 1035730 | INJECTOR E YELLOW WITH O-RING                          | 10   | 64          | OK             |  |
| 15        | AW134 | 1035731 | INJECTOR F PEACH WITH O-RING                           | 10   | 64          | OK             |  |
| 15        | AW135 | 1035732 | INJECTOR G TAN WITH O-RING                             | 10   | 64          | OK             |  |
| 15        | AW136 | 1035733 | INJECTOR H LIGHT PURPLE WITH O-RING                    | 10   | 64          | OK             |  |
| 15        | AW137 | 1035734 | INJECTOR J LIGHT BLUE WITH O-RING                      | 10   | 64          | OK             |  |
| 15        | AW138 | 1035735 | INJECTOR K PINK WITH O-RING                            | 10   | 64          | OK             |  |
| 15        | AW348 | 1035736 | INJECTOR L ORANGE WITH O-RING P/N 1035736              | 10   | 64          | OK             |  |
| 15        | AW349 | 1035737 | INJECTOR M BROWN WITH O-RING P/N 1035737               | 10   | 64          | OK             |  |
| 15        | AW350 | 1035738 | INJECTOR N GREEN WITH O-RING P/N 1035738               | 10   | 64          | OK             |  |
| 15        | AW351 | 1035739 | INJECTOR Q PURPLE WITH O-RING P/N 1035739              | 10   | 64          | OK             |  |
| 15        | AW352 | 1035884 | INJECTOR R GREY WITH O-RING P/N 1035884                | 10   | 64          | OK             |  |

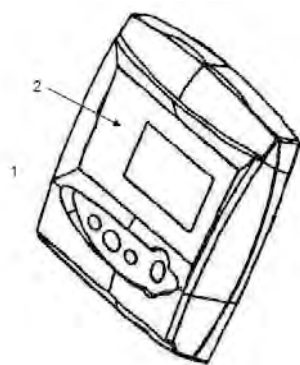


## VALVE LOGIX 255 EXPLODED VIEW AND PARTS LIST

| Number    | Ref.   | P.N.    | Description                                                   | Fam. | Subfam. | Disp. Stock |  |
|-----------|--------|---------|---------------------------------------------------------------|------|---------|-------------|--|
| 16        | AW107  | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                                 | 10   | 64      | OK          |  |
| 17        | AW100  | 1000209 | BACKWASH CONTROL 07 WITH O-RING                               | 10   | 64      | OK          |  |
| 17        | AW101  | 1000210 | BACKWASH CONTROL 08 WITH O-RING                               | 10   | 64      | OK          |  |
| 17        | AW102  | 1000211 | BACKWASH CONTROL 09 WITH O-RING                               | 10   | 64      | OK          |  |
| 17        | AW103  | 1000212 | BACKWASH CONTROL 10 WITH O-RING                               | 10   | 64      | OK          |  |
| 17        | AW104  | 1000213 | BACKWASH CONTROL 12 WITH O-RING                               | 10   | 64      | OK          |  |
| 17        | AW105  | 1000214 | BACKWASH CONTROL 13 WITH O-RING                               | 10   | 64      | OK          |  |
| 17        | AW106  | 1000215 | BACKWASH CONTROL 14 WITH O-RING                               | 10   | 64      | OK          |  |
| 18A       | AW118  | 1243510 | BRINE REFILL CONTROL .33 GPM                                  | 10   | 64      | OK          |  |
| 19        | AW190  | 1032417 | KIT AIR-CHECK 1/4" MALE                                       | 10   | 64      | OK          |  |
| 20        | AW129  | 1235373 | OPTIC SENSOR P/N 1235373                                      | 10   | 64      | OK          |  |
| 21        | AW126  | 1238861 | MOTOR W/SPACER AND PINION AND CABLE<br>SERIES 700 P/N 1238861 | 10   | 64      | OK          |  |
| 22        | AW139  | 1030502 | FLOW CONTROL BALL                                             | 10   | 64      | OK          |  |
| Not shown | AW140  | 1030528 | AIR-CHECK BALL                                                | 10   | 64      | OK          |  |
| Not shown | AW128  | 1035446 | TURBINE CABLE 255-268-278/700                                 | 10   | 64      | OK          |  |
| Not shown | AW124  | 1233187 | MOTOR LOCKING PIN                                             | 10   | 64      | NO          |  |
| Not shown | AV057  | 1239711 | FRONT MOUNT SWITCH KIT 255-263-268 0,1A                       | 10   | 62      | NO          |  |
| Not shown | AV058  | 1239752 | FRONT MOUNT SWITCH KIT 255-263-268 5A                         | 10   | 62      | OK          |  |
| Not shown | AV069  | 1239754 | TOP PLATE SWITCH KIT 255-263-268 5A                           | 10   | 62      | OK          |  |
| Not shown | AV023  | 1242411 | EXTENSION CORD Lg=50cm FOR CAB. P/N<br>1242411                | 10   | 62      | OK          |  |
| Not shown | AV023A | 1239979 | 4 PIN CONNECTOR CABLE START 700 SERIES                        | 10   | 62      | OK          |  |
| Not shown | AW500  | 1000814 | EUROPEAN TRANSFORMER 230/12V                                  | 10   | 64      | OK          |  |
| Not shown | AW501  | 1000813 | BRITISH TRANSFORMER                                           | 10   | 64      | OK          |  |



## SERIES 700 TIMER LIST



| Number    | Ref    | P.N.    | Description                  | Fam. | Subfam. | Disp. Stock |  |
|-----------|--------|---------|------------------------------|------|---------|-------------|--|
| 1         | AW515E |         | TIMER 762 12V 50/60HZ SYMBOL | 10   | 64      | NO          |  |
| 1         | AW518E |         | TIMER 742 12V 50/60HZ SYMBOL | 10   | 64      | OK          |  |
| 1         | AW505E |         | TIMER 764 12V 50/60HZ SYMBOL | 10   | 64      | OK          |  |
| Not shown | AW504  | 1254886 | SLAVE CONTROLLER P/N 1254886 | 10   | 64      | NO          |  |

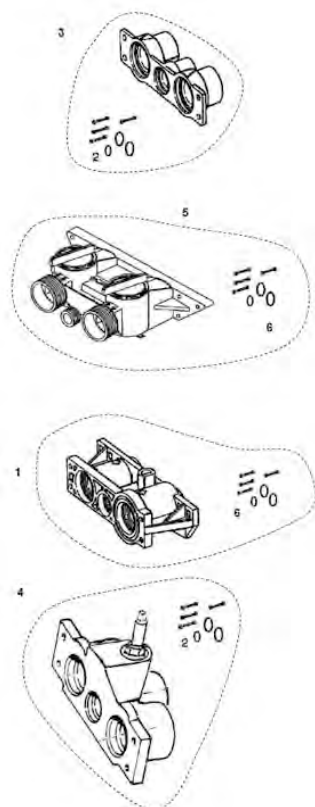
## EASY IQ TIMER



| Number | Ref.   | P.N. | Description         | Fam. | Subfam. | Disp. Stock |  |
|--------|--------|------|---------------------|------|---------|-------------|--|
| 1      | AW380  |      | EASY IQ CONTROLLER  | 10   | 64      | OK          |  |
| 2      | AW379B |      | EASY IQ BLUE COVER  | 10   | 64      | OK          |  |
| 2      | AW379  |      | EASY IQ GREEN COVER | 10   | 64      | OK          |  |



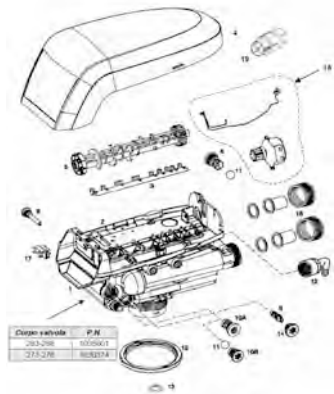
## METER, MANIFOLD, 256 BYPASS SPARE PARTS



| Number    | Ref.   | P.N.    | Description                                          | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------|--------|---------|------------------------------------------------------|------|-------------|----------------|--|
| 1         | AW201  | 1032350 | METER ADAPTER KIT                                    | 10   | 64          | OK             |  |
| 2         | AW197  |         | O-RING SET W/SCREWS AND NUTS*                        | 10   | 64          | OK             |  |
| 3         | AV015  |         | MANIFOLD BRASS FEMALE 3/4" GAS                       | 10   | 62          | OK             |  |
| 3         | AV016  |         | MANIFOLD BRASS FEMALE 1" GAS                         | 10   | 62          | OK             |  |
| 3         | AV010  |         | MANIFOLD KIT BRASS FEMALE 3/4" GAS*                  | 10   | 62          | OK             |  |
| 3         | AV011  |         | MANFOLD KIT BRASS FEMALE 1" GAS*                     | 10   | 62          | OK             |  |
| Not shown | AV013  | 1040283 | MANIFOLD KIT NORYL FEMALE 3/4" BSPT                  | 10   | 62          | OK             |  |
| 4         | AV006  |         | MANIFOLD BRASS 3/4" GAS MIXER                        | 10   | 62          | OK             |  |
| 4         | AV017  |         | MANIFOLD BRASS FEMALE 1" GAS MIXER                   | 10   | 62          | OK             |  |
| Not shown | AV007  |         | MANIFOLD KIT 3/4" GAS BRASS MIXER*                   | 10   | 62          | OK             |  |
| Not shown | AV012  |         | MANIFOLD KIT BRASS FEMALE 1" GAS MIXER*              | 10   | 62          | OK             |  |
| Not shown | AV001  |         | MANIFOLD 3/4" MALE WITH TURBINE P/N<br>1234260       | 10   | 62          | NO             |  |
| Not shown | AV001A |         | MANIFOLD 255 3/4" BSP MALE NORYL + KIT P/N<br>123425 | 10   | 62          | OK             |  |
| Not shown | AV022  |         | MANIFOLD 1" MALE WITH TURBINE + KIT P/N<br>1234259   | 10   | 62          | NO             |  |
| Not shown | AV022A |         | MANIFOLD 255 1" BSP MALE NORYL + KIT P/N<br>1234255  | 10   | 62          | OK             |  |
| 5         | AV026  | 1040769 | BY-PASS 256 W/O-RING, SCREWS,NUTS                    | 10   | 62          | OK             |  |



## LOGIX 263-268-269-278 VALVE EXPLODED VIEW



| Number | Ref.  | P.N.    | Description                                              | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|--------|-------|---------|----------------------------------------------------------|------|-------------|----------------|--|
| 3      | AW360 | 1235339 | VALVE DISC SPRING ONE PIECE 263/268 LOGIX<br>P/N 1235339 | 10   | 64          | OK             |  |
| 4      | AW148 | 1236246 | 253-5/263-8 LOGIX STANDARD COVER P/N<br>1236246          | 10   | 64          | NO             |  |
| 5      | AW358 | 1235352 | CAMSHAFT 263/268 LOGIX P/N 1235352                       | 10   | 64          | NO             |  |
| 5      | AW361 | 1237405 | CAMSHAFT 278 LOGIX P/N 1237405                           | 10   | 64          | OK             |  |
| 5      | AW383 | 1237402 | CAMSHAFT 269 LOGIX - P/N 1237402                         | 10   | 64          | OK             |  |
| 6      | AW100 | 1000209 | BACKWASH CONTROL 07 WITH O-RING                          | 10   | 64          | OK             |  |
| 6      | AW101 | 1000210 | BACKWASH CONTROL 08 WITH O-RING                          | 10   | 64          | OK             |  |
| 6      | AW102 | 1000211 | BACKWASH CONTROL 09 WITH O-RING                          | 10   | 64          | OK             |  |
| 6      | AW103 | 1000212 | BACKWASH CONTROL 10 WITH O-RING                          | 10   | 64          | OK             |  |
| 6      | AW104 | 1000213 | BACKWASH CONTROL 12 WITH O-RING                          | 10   | 64          | OK             |  |
| 6      | AW105 | 1000214 | BACKWASH CONTROL 13 WITH O-RING                          | 10   | 64          | OK             |  |
| 6      | AW106 | 1000215 | BACKWASH CONTROL 14 WITH O-RING                          | 10   | 64          | OK             |  |



## PARTS LIST VALVE LOGIX 263-268-269-278

| Number | Ref.     | P.N.    | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|--------|----------|---------|--------------------------------------------------------------|------|---------|-------------|--|
| 6      | P1030355 | 1030355 | EXTERNAL BACKWASH 05 GPM + 06 GPM FOR VALVES 263-268-273-278 | 10   | 62      | OK          |  |
| 6      | P1030357 | 1030357 | EXTERNAL BACKWASH 07 GPM + 08 GPM FOR VALVES 263-268-273-278 | 10   | 62      | OK          |  |
| 6      | P1030360 | 1030360 | EXTERNAL BACKWASH 09 GPM + 10 GPM FOR VALVES 263-268-273-278 | 10   | 62      | OK          |  |
| 6      | AV141    | 1000406 | EXTERNAL BACKWASH CONTROL 12 GPM                             | 10   | 62      | OK          |  |
| 6      | AV142    | 1000407 | EXTERNAL BACKWASH CONTROL 15 GPM                             | 10   | 62      | OK          |  |
| 6      | AV144    | 1000409 | EXTERNAL BACKWASH CONTROL 20 GPM                             | 10   | 62      | OK          |  |
| 8      | AW125    | 1000226 | SCREEN/CAP ASSEMBLY WITH O-RING                              | 10   | 64      | OK          |  |
| 9      | AW133    | 1035730 | INJECTOR E YELLOW WITH O-RING                                | 10   | 64      | OK          |  |
| 9      | AW134    | 1035731 | INJECTOR F PEACH WITH O-RING                                 | 10   | 64      | OK          |  |
| 9      | AW135    | 1035732 | INJECTOR G TAN WITH O-RING                                   | 10   | 64      | OK          |  |
| 9      | AW136    | 1035733 | INJECTOR H LIGHT PURPLE WITH O-RING                          | 10   | 64      | OK          |  |
| 9      | AW137    | 1035734 | INJECTOR J LIGHT BLUE WITH O-RING                            | 10   | 64      | OK          |  |
| 9      | AW138    | 1035735 | INJECTOR K PINK WITH O-RING                                  | 10   | 64      | OK          |  |
| 9      | AW348    | 1035736 | INJECTOR L ORANGE WITH O-RING P/N 1035736                    | 10   | 64      | OK          |  |
| 9      | AW349    | 1035737 | INJECTOR M BROWN WITH O-RING P/N 1035737                     | 10   | 64      | OK          |  |
| 9      | AW350    | 1035738 | INJECTOR N GREEN WITH O-RING P/N 1035738                     | 10   | 64      | OK          |  |
| 9      | AW351    | 1035739 | INJECTOR Q PURPLE WITH O-RING P/N 1035739                    | 10   | 64      | OK          |  |
| 9      | AW352    | 1035884 | INJECTOR R GREY WITH O-RING P/N 1035884                      | 10   | 64      | OK          |  |
| 9      | AW387    | 1034119 | INJECTOR 8 BUMP WITH O-RING                                  | 10   | 64      | OK          |  |
| 10A    | AW118    | 1243510 | BRINE REFILL CONTROL .33 GPM                                 | 10   | 64      | OK          |  |
| 10B    | AW327    | 1000519 | BRINE REFILL CONTROL 1.3 GPM P/N 1000519                     | 10   | 64      | NO          |  |
| 11     | AW139    | 1030502 | FLOW CONTROL BALL                                            | 10   | 64      | OK          |  |
| 11     | AW308    | 1030334 | PLUGGED REFILL CONTROL 263                                   | 10   | 64      | OK          |  |
| 12     | AV175    | 1002449 | ELBOW DRIAN FITTING 3/4" F                                   | 10   | 62      | OK          |  |
| 13     | AW169    | 1232370 | O-RING 1.05"                                                 | 10   | 64      | OK          |  |
| 14     | AW107    | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                                | 10   | 64      | OK          |  |

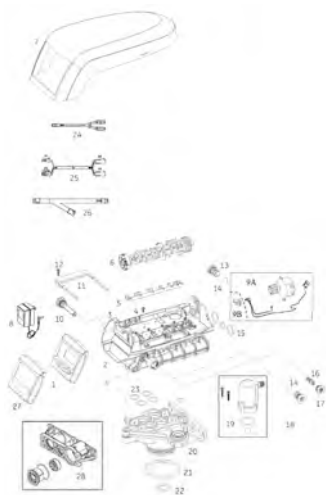


## PARTS LIST VALVE LOGIX 263-268-269-278

| Number    | Ref.   | P.N.    | Description                                                   | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------|--------|---------|---------------------------------------------------------------|------|-------------|----------------|--|
| 15        | AW319  | 1035622 | TANK RING 2,5" FOR 263-268-278 P/N 1035622                    | 10   | 64          | NO             |  |
| 16        | AV030B |         | MANIFOLD KIT BRASS MALE 3/4" GAS*                             | 10   | 62          | OK             |  |
| 16        | AV031B |         | MANIFOLD KIT BRASS MALE " GAS*                                | 10   | 62          | OK             |  |
| 16        | AV032  | 1001615 | MANIFOLD KIT PVC D,32                                         | 10   | 62          | OK             |  |
| 16        | AV038  |         | MANIFOLD KIT BRASS MALE 1 1/4" GAS*                           | 10   | 62          | OK             |  |
| 17        | AW129  | 1235373 | OPTIC SENSOR P/N 1235373                                      | 10   | 64          | OK             |  |
| 18        | AW126  | 1238861 | MOTOR W/SPACER AND PINION AND CABLE<br>SERIES 700 P/N 1238861 | 10   | 64          | OK             |  |
| Not shown | AW172  | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"                     | 10   | 64          | OK             |  |
| Not shown | AW329  | 1041174 | VALVE DISCS KIT FOR 263-268-273-278                           | 10   | 64          | OK             |  |
| Not shown | AV037  | 1239760 | BLENDING KIT SCREW FOR 700 SERIES AND<br>255/400 NEWSTYLE     | 10   | 62          | OK             |  |
| Not shown | AW128  | 1235446 | TURBINE CABLE 255-268-278/700                                 | 10   | 64          | OK             |  |
| 19        | AW328  | 1033444 | TURBINE ASSEMBLY                                              | 10   | 64          |                |  |
| Not shown | AW124  | 1233187 | MOTOR LOCKING PIN                                             | 10   | 64          | NO             |  |
| Not shown | AV057  | 1239711 | FRONT MOUNT SWITCH KIT 255-263-268 0,1A                       | 10   | 62          | NO             |  |
| Not shown | AV058  | 1239752 | FRONT MOUNT SWITCH KIT 255-263-268 5A                         | 10   | 62          | OK             |  |
| Not shown | AV069  | 1239754 | TOP PLATE SWITCH KIT 255-263-268 5A                           | 10   | 62          | OK             |  |
| Not shown | AV023  | 1242411 | EXTENSION CORD Lg=50cm FOR CAB. P/N<br>1242411                | 10   | 62          | OK             |  |
| Not shown | AV023A | 1239979 | 4 PIN CONNECTOR CABLE START 700 SERIES                        | 10   | 62          | OK             |  |



## 255/764 VALVE EXPLODED VIEW & PARTS LIST



| Number | Ref.   | P.N.    | Description                                                | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|--------|--------|---------|------------------------------------------------------------|------|-------------|----------------|--|
| 1      | AW505E |         | TIMER 764 12V 50/60HZ SYMBOL                               | 10   | 64          | OK             |  |
| 4-12   | AW174  | 3030450 | TOP PLATE SCREW NO 8x9/16"                                 | 10   | 64          | NO             |  |
| 7      | AW148  | 1236246 | 253-5/263-8 LOGIX STANDARD COVER P/N 1236246               | 10   | 64          | NO             |  |
| 8      | AW500  | 1000814 | EUROPEAN TRANSFORMER 230/12V                               | 10   | 64          | OK             |  |
| 8      | AW501  | 1000813 | BRITISH TRANSFORMER                                        | 10   | 64          | OK             |  |
| 9A     | AW126  | 1238861 | MOTOR W/SPACER AND PINION AND CABLE SERIES 700 P/N 1238861 | 10   | 64          | OK             |  |
| 9B     | AW129  | 1235373 | OPTIC SENSOR P/N 1235373                                   | 10   | 64          | OK             |  |
| 10     | AW125  | 1000226 | SCREEN/CAP ASSEMBLY WITH O-RING                            | 10   | 64          | OK             |  |
| 11     | AW173  | 1031402 | LOCKING BAR                                                | 10   | 64          | NO             |  |
| 13     | AW100  | 1000209 | BACKWASH CONTROL 07 WITH O-RING                            | 10   | 64          | OK             |  |
| 13     | AW101  | 1000210 | BACKWASH CONTROL 08 WITH O-RING                            | 10   | 64          | OK             |  |
| 13     | AW102  | 1000211 | BACKWASH CONTROL 09 WITH O-RING                            | 10   | 64          | OK             |  |
| 13     | AW103  | 1000212 | BACKWASH CONTROL 10 WITH O-RING                            | 10   | 64          | OK             |  |
| 13     | AW104  | 1000213 | BACKWASH CONTROL 12 WITH O-RING                            | 10   | 64          | OK             |  |
| 13     | AW105  | 1000214 | BACKWASH CONTROL 13 WITH O-RING                            | 10   | 64          | OK             |  |
| 13     | AW106  | 1000215 | BACKWASH CONTROL 14 WITH O-RING                            | 10   | 64          | OK             |  |
| 14     | AW139  | 1030502 | FLOW CONTROL BALL                                          | 10   | 64          | OK             |  |
| 15     | AW196  | 1040459 | O-RING SET*                                                | 10   | 64          | OK             |  |

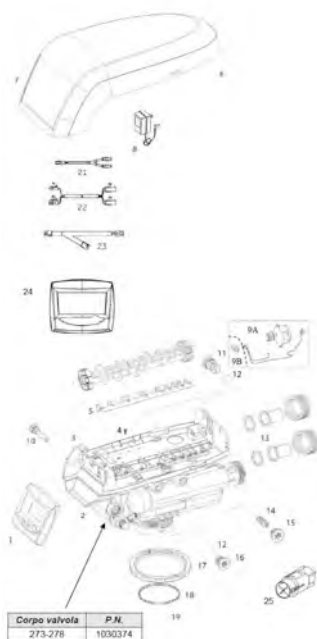


## PARTS LIST VALVE 255/764

| Number    | Ref   | P.N.    | Description                                         | Fam. | Subfam. | Disp. Stock |  |
|-----------|-------|---------|-----------------------------------------------------|------|---------|-------------|--|
| 16        | AW133 | 1035730 | INJECTOR E YELLOW WITH O-RING                       | 10   | 64      | OK          |  |
| 16        | AW134 | 1035731 | INJECTOR F PEACH WITH O-RING                        | 10   | 64      | OK          |  |
| 16        | AW135 | 1035732 | INJECTOR G TAN WITH O-RING                          | 10   | 64      | OK          |  |
| 16        | AW136 | 1035733 | INJECTOR H LIGHT PURPLE WITH O-RING                 | 10   | 64      | OK          |  |
| 16        | AW137 | 1035734 | INJECTOR J LIGHT BLUE WITH O-RING                   | 10   | 64      | OK          |  |
| 16        | AW138 | 1035735 | INJECTOR K PINK WITH O-RING                         | 10   | 64      | OK          |  |
| 16        | AW348 | 1035736 | INJECTOR L ORANGE WITH O-RING P/N 1035736           | 10   | 64      | OK          |  |
| 16        | AW349 | 1035737 | INJECTOR M BROWN WITH O-RING P/N 1035737            | 10   | 64      | OK          |  |
| 16        | AW350 | 1035738 | INJECTOR N GREEN WITH O-RING P/N 1035738            | 10   | 64      | OK          |  |
| 16        | AW351 | 1035739 | INJECTOR Q PURPLE WITH O-RING P/N 1035739           | 10   | 64      | OK          |  |
| 16        | AW352 | 1035884 | INJECTOR R GREY WITH O-RING P/N 1035884             | 10   | 64      | OK          |  |
| 17        | AW107 | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                       | 10   | 64      | OK          |  |
| 18        | AW118 | 1243510 | BRINE REFILL CONTROL .33 GPM                        | 10   | 64      | OK          |  |
| 19        | AW190 | 1032417 | KIT AIR-CHECK 1/4" MALE                             | 10   | 64      | OK          |  |
| 20        | AW170 | 1033784 | ADAPTER PRESSURE VESSEL 2.1/2" FOR TUBE 1.05"       | 10   | 64      | OK          |  |
| 21        | AW172 | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"           | 10   | 64      | OK          |  |
| 22        | AW169 | 1232370 | O-RING 1.05"                                        | 10   | 64      | OK          |  |
| 23        | AW195 | 1001404 | O-RING SET FOR 255 VALVE TOP/BOTTOM COUPLING        | 10   | 64      | OK          |  |
| 24        | AW365 | 3016715 | Y CABLE 4 PIN TURBINE SENSOR P/N 3016715            | 10   | 64      | OK          |  |
| 25        | AW366 | 3016775 | INTERCONNECTION CABLE LOGIX TWIN LG 3 M P/N 3016775 | 10   | 64      | OK          |  |
| 26        | AW367 | 3020228 | START/LOCKOUT CABLE 3 PIN MULTI TANK P/N 3020228    | 10   | 64      | OK          |  |
| 27        | AW504 | 1254886 | SLAVE CONTROLLER P/N 1254886                        | 10   | 64      | NO          |  |
| 28        | AW201 | 1032350 | METER ADAPTER KIT                                   | 10   | 64      | OK          |  |
| Not shown | AW124 | 1233187 | MOTOR LOCKING PIN                                   | 10   | 64      | NO          |  |
| Not shown | AW128 | 1235446 | TURBINE CABLE 255-268-278/700                       | 10   | 64      | OK          |  |



## PARTS LIST VALVE 278/764



| Number | Ref    | P.N.    | Description                                                   | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|--------|--------|---------|---------------------------------------------------------------|------|-------------|----------------|--|
| 1      | AW505E |         | TIMER 764 12V 50/60HZ SYMBOL                                  | 10   | 64          | OK             |  |
| 4      | AW174  | 3030450 | TOP PLATE SCREW NO 8x9/16"                                    | 10   | 64          | NO             |  |
| 5      | AW360  | 1235339 | VALVE DISC SPRING ONE PIECE 263/268 LOGIX<br>P/N 1235339      | 10   | 64          | OK             |  |
| 6      | AW361  | 1237405 | CAMSHAFT 278 LOGIX P/N 1237405                                | 10   | 64          | OK             |  |
| 6      | AW364  | 1237406 | CAMSHAFT 278 LOGIX 764 TWIN P/N 1237406                       | 10   | 64          | OK             |  |
| 7      | AW148  | 1236246 | 253-5/263-8 LOGIX STANDARD COVER P/N<br>1236246               | 10   | 64          | NO             |  |
| 8      | AW500  | 1000813 | EUROPEAN TRANSFORMER 230/12V                                  | 10   | 64          | OK             |  |
| 8      | AW501  | 1000811 | BRITISH TRANSFORMER                                           | 10   | 64          | OK             |  |
| 9A     | AW126  | 1238861 | MOTOR W/SPACER AND PINION AND CABLE<br>SERIES 700 P/N 1238861 | 10   | 64          | OK             |  |
| 9B     | AW129  | 1235373 | OPTIC SENSOR P/N 1235373                                      | 10   | 64          | OK             |  |
| 10     | AW125  | 1000226 | SCREEN/CAP ASSEMBLY WITH O-RING                               | 10   | 64          | OK             |  |
| 11     | AW100  | 1000209 | BACKWASH CONTROL 07 WITH O-RING                               | 10   | 64          | OK             |  |
| 11     | AW101  | 1000211 | BACKWASH CONTROL 08 WITH O-RING                               | 10   | 64          | OK             |  |
| 11     | AW103  | 1000212 | BACKWASH CONTROL 10 WITH O-RING                               | 10   | 64          | OK             |  |
| 11     | AW104  | 1000213 | BACKWASH CONTROL 12 WITH O-RING                               | 10   | 64          | OK             |  |
| 11     | AW105  | 1000214 | BACKWASH CONTROL 13 WITH O-RING                               | 10   | 64          | OK             |  |
| 11     | AW106  | 1000215 | BACKWASH CONTROL 14 WITH O-RING                               | 10   | 64          | OK             |  |
| 12     | AW139  | 1030502 | FLOW CONTROL BALL                                             | 10   | 64          | OK             |  |
| 13     | AV031B |         | MANIFOLD KIT BRASS MALE " GAS*                                | 10   | 62          | OK             |  |
| 13     | AV032  | 1001615 | MANIFOLD KIT PVC D,32                                         | 10   | 62          | OK             |  |
| 13     | AV038  |         | MANIFOLD KIT BRASS MALE 1 1/4" GAS*                           | 10   | 62          | OK             |  |
| 13     | AW183  |         | MANIFOLD+NUT 1,1/4" BRASS                                     | 10   | 64          | OK             |  |

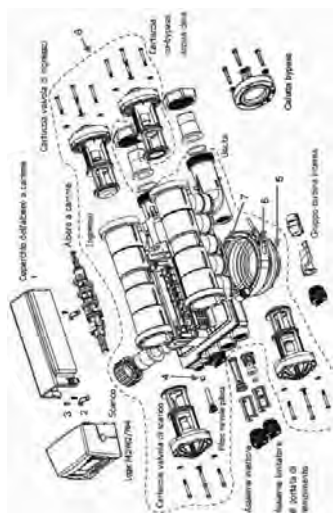


## PARTS LIST VALVE 278/764

| Number    | Ref   | P.N.    | Description                                         | Fam. | Subfam | Disp. Stock |  |
|-----------|-------|---------|-----------------------------------------------------|------|--------|-------------|--|
| 14        | AW133 | 1035730 | INJECTOR E YELLOW WITH O-RING                       | 10   | 64     | OK          |  |
| 14        | AW134 | 1035731 | INJECTOR F PEACH WITH O-RING                        | 10   | 64     | OK          |  |
| 14        | AW135 | 1035732 | INJECTOR G TAN WITH O-RING                          | 10   | 64     | OK          |  |
| 14        | AW136 | 1035733 | INJECTOR H LIGHT PURPLE WITH O-RING                 | 10   | 64     | OK          |  |
| 14        | AW137 | 1035734 | INJECTOR J LIGHT BLUE WITH O-RING                   | 10   | 64     | OK          |  |
| 14        | AW138 | 1035735 | INJECTOR K PINK WITH O-RING                         | 10   | 64     | OK          |  |
| 14        | AW348 | 1035736 | INJECTOR L ORANGE WITH O-RING P/N 1035736           | 10   | 64     | OK          |  |
| 14        | AW349 | 1035737 | INJECTOR M BROWN WITH O-RING P/N 1035737            | 10   | 64     | OK          |  |
| 14        | AW350 | 1035738 | INJECTOR N GREEN WITH O-RING P/N 1035738            | 10   | 64     | OK          |  |
| 14        | AW351 | 1035739 | INJECTOR Q PURPLE WITH O-RING P/N 1035739           | 10   | 64     | OK          |  |
| 14        | AW352 | 1035884 | INJECTOR R GREY WITH O-RING P/N 1035884             | 10   | 64     | OK          |  |
| 15        | AW107 | 1000269 | INJECTOR CAP/BACKWASH OPEN 00                       | 10   | 64     | OK          |  |
| 16        | AW118 | 1243510 | BRINE REFILL CONTROL .33 GPM                        | 10   | 64     | OK          |  |
| 16        | AW327 | 1000519 | BRINE REFILL CONTROL 1.3 GPM P/N 1000519            | 10   | 64     | NO          |  |
| 17        | AW319 | 1035622 | TANK RING 2,5" FOR 263-268-278 P/N 1035622          | 10   | 64     | NO          |  |
| 18        | AW172 | 1010154 | O-RING ADAPTER FOR PRESSURE VESSEL 2.1/2"           | 10   | 64     | OK          |  |
| 19        | AW169 | 1232370 | O-RING 1.05"                                        | 10   | 64     | OK          |  |
| 21        | AW365 | 3016715 | Y CABLE 4 PIN TURBINE SENSOR P/N 3016715            | 10   | 64     | OK          |  |
| 22        | AW366 | 3016775 | INTERCONNECTION CABLE LOGIX TWIN LG 3 M P/N 3016775 | 10   | 64     | OK          |  |
| 23        | AW367 | 3020228 | START/LOCKOUT CABLE 3 PIN MULTI TANK P/N 3020228    | 10   | 64     | OK          |  |
| 24        | AW504 | 1254886 | SLAVE CONTROLLER P/N 1254886                        | 10   | 64     | NO          |  |
| Not shown | AW124 | 1233187 | MOTOR LOCKING PIN                                   | 10   | 64     | NO          |  |
| Not shown | AW128 | 1235446 | TURBINE CABLE 255-268-278/700                       | 10   | 64     | OK          |  |
| 25        | AW328 | 1033444 | TURBINE ASSEMBLY                                    | 10   | 64     | OK          |  |

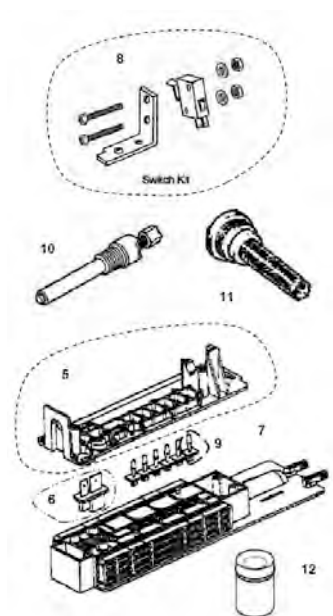


## MAGNUM VALVE 700 SERIES EXPLODED VIEW



| Number    | Ref      | P.N.    | Description                                  | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------|----------|---------|----------------------------------------------|------|-------------|----------------|--|
| 1         | CD140    | 1000343 | CAMSHAFT COVER                               | 20   | 83          | NO             |  |
| 2         | CD100    | 1000589 | PILLOW BLOCK CAP                             | 20   | 83          | OK             |  |
| 3         | CD109    | 3030505 | MAGNUM VALVE LONG SCREW                      | 20   | 83          | NO             |  |
| 4         | CD144    | 3025780 | INTERNAL CHECK VALVE                         | 20   | 83          | NO             |  |
| 5+6+7     | P3029252 | 3029252 | 4" SS TANK ADAPTER ASSY 293-298 - PN 3029252 | 20   | 83          | OK             |  |
| Not shown | CD178    | 3008600 | 2" IT NHB MAGNUM VALVE BODY WITH REG. 36"    | 20   | 83          | OK             |  |

## MAGNUM VALVE 700 SERIES SPARE PARTS



| Number    | Ref.     | P.N.    | Description                                             | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------|----------|---------|---------------------------------------------------------|------|-------------|----------------|--|
| 5         | CD141A   | 4000632 | TOP PLATE KIT, PILLOW BLOCKS, SCREWS 293-298 PN 4000632 | 20   | 83          | OK             |  |
| Not shown | AW174    | 3030450 | TOP PLATE SCREW NO 8x9/16"                              | 10   | 64          | NO             |  |
| Not shown | CD109    | 3030505 | MAGNUM VALVE LONG SCREW                                 | 20   | 83          | NO             |  |
| Not shown | AW181    | 1001580 | VALVE DISC SPRING                                       | 10   | 64          | OK             |  |
| Not shown | CD020    | 1040692 | VALVE DISCS KIT FOR MAGNUM                              | 20   | 83          | OK             |  |
| Not shown | CD127    | 4000633 | 3-5 CYCLES MAGNUM LOGIX SIMPLEX & TWIN CAMSHAFT         | 20   | 83          | OK             |  |
| Not shown | CD161    | 1010162 | 4" TANK ADAPTER O-RING                                  | 20   | 83          | OK             |  |
| 8         | P3019523 | 3019523 | KIT SWITCH 5A SINGLE TANK WITH BREAKAWAY CAM            | 20   | 82          | OK             |  |
| 10        | CC130    | 1040668 | EXTERNAL PILOT FEED ADAPTER                             | 20   | 82          | OK             |  |
| 11        | AW125    | 1000226 | SCREEN/CAP ASSEMBLY WITH O-RING                         | 10   | 64          | OK             |  |
| 12        | CD144    | 3025780 | INTERNAL CHECK VALVE                                    | 20   | 83          | NO             |  |



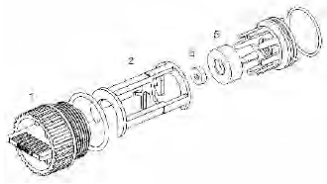
## MAGNUM VALVE INSTALLATION ADAPTER PARTS



| Number    | Ref.  | P.N.    | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|-----------|-------|---------|--------------------------------------------------------|------|---------|-------------|--|
| 1         | CC080 | 3023673 | MAGNUM 1.5" STAINLESS STEEL ADAPTER KIT BSPT           | 20   | 82      | OK          |  |
|           | CC081 | 1001656 | MAGNUM 1.5" PVC D.50 MM ADAPTER KIT                    | 20   | 82      | OK          |  |
| 1         | CC082 | 3023674 | MAGNUM 2" STAINLESS STEEL ADAPTER KIT BSPT             | 20   | 82      | OK          |  |
| 1         | CC083 | 1040785 | MAGNUM 2" PVC D.63 MM ADAPTER KIT                      | 20   | 82      | OK          |  |
| 2         | CD151 | 1000356 | 1.5" NORYL ADAPTER NUT                                 | 20   | 83      | NO          |  |
| 2         | CD152 | 1030664 | 2" SS ADAPTER NUT                                      | 20   | 83      | NO          |  |
| 3         | CD153 | 3014556 | 1.5" SS BSPT ADAPTER                                   | 20   | 83      | NO          |  |
| 3         | CD163 |         | 1.5" BSPT FEMALE ADAPTER AVP GALVANIZED                | 20   | 83      | OK          |  |
| 3         | CD164 |         | 1.1/4" BSPT FEMALE ADAPTER AVP GALVANIZED              | 20   | 83      | OK          |  |
| 4         | CD067 | 1000074 | INSERT CORNER 2"                                       | 20   | 83      | NO          |  |
| 5         | CD068 | 1232965 | ASSEMBLY TURBINE IT 2" P/N 1232965                     | 20   | 83      | OK          |  |
| 6         | CD099 | 1040688 | PLUG FOR INJECTOR, REFILL AND PRESSURE REGULATOR PORTS | 20   | 83      | NO          |  |
| Not shown | CD158 | 1010160 | 1.5" ADAPTER & 48.3 MM TUBE O-RING                     | 20   | 83      | NO          |  |
| Not shown | CD159 | 1010165 | 2" ADAPTER O-RING                                      | 20   | 83      | NO          |  |
| Not shown | CD161 | 1010162 | 4" TANK ADAPTER O-RING                                 | 20   | 83      | OK          |  |
| Not shown | CD162 | 1030891 | GASKET FOR 2" TURBINE                                  | 20   | 83      | OK          |  |
| Not shown | CC084 | 1040921 | SIDE MOUNT ADAPTER PVC 2" BSPT FEMALE                  | 20   | 82      | OK          |  |
| Not shown | CD069 | 1033358 | 2" FLOW METER BODY                                     | 20   | 83      | OK          |  |
| Not shown | CD073 | 1034081 | 2" FLOW METER W/ 63 MM METRIC CPVC ADAPTER             | 20   | 83      | NO          |  |



## MAGNUM REFILL CONTROL ASSEMBLY PARTS



| Number | Ref   | P.N.    | Description                                            | Fam. | Subfa m. | Disp. Stock |  |
|--------|-------|---------|--------------------------------------------------------|------|----------|-------------|--|
| 1      | CD099 | 1040688 | PLUG FOR INJECTOR, REFILL AND PRESSURE REGULATORPORTS  | 20   | 83       | NO          |  |
| 3      | CD089 | 1040687 | REFILL CONTROL ASSEMBLY W/O REFILL CONTROL             | 20   | 83       | OK          |  |
| 4      | CD081 | 1000421 | BRINE REFIL CONTROLLER 0.7 GPM FOR PRESSURE VESSEL 14" | 20   | 83       | OK          |  |
| 4      | CD082 | 1000422 | BRINE REFIL CONTROLLER 0.8 GPM FOR PRESSURE VESSEL 16" | 20   | 83       | OK          |  |
| 4      | CD083 | 1000423 | BRINE REFIL CONTROLLER 1.0 GPM FOR PRESSURE VESSEL 18" | 20   | 83       | OK          |  |
| 4      | CD084 | 1000424 | BRINE REFIL CONTROLLER 1.4 GPM FOR PRESSURE VESSEL 21" | 20   | 83       | OK          |  |
| 4      | CD085 | 1000425 | BRINE REFIL CONTROLLER 2.0 GPM FOR PRESSURE VESSEL 24" | 20   | 83       | OK          |  |
| 4      | CD086 | 1000426 | BRINE REFIL CONTROLLER 3.0 GPM FOR PRESSURE VESSEL 30" | 20   | 83       | OK          |  |
| 4      | CD087 | 1000427 | BRINE REFIL CONTROLLER 5.0 GPM FOR PRESSURE VESSEL 36" | 20   | 83       | OK          |  |

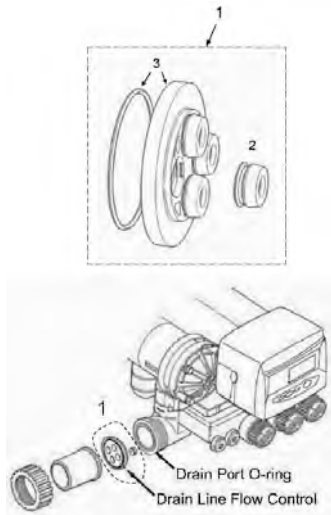
## MAGNUM INJECTOR ASSEMBLY PARTS



| Number | Ref   | P.N.    | Description                                           | Fam. | Subfa m. | Disp. Stock |  |
|--------|-------|---------|-------------------------------------------------------|------|----------|-------------|--|
| 1      | CD091 | 1040670 | INJECTOR 0.5 GPM FOR PRESSURE VESSEL 14"              | 20   | 83       | OK          |  |
| 1      | CD092 | 1040671 | INJECTOR 0.5 GPM FOR PRESSURE VESSEL 16"              | 20   | 83       | OK          |  |
| 1      | CD093 | 1040672 | INJECTOR 0.6 GPM FOR PRESSURE VESSEL 18"              | 20   | 83       | OK          |  |
| 1      | CD094 | 1040673 | INJECTOR 0.9 GPM FOR PRESSURE VESSEL 21"              | 20   | 83       | OK          |  |
| 1      | CD095 | 1040674 | INJECTOR 1.4 GPM FOR PRESSURE VESSEL 24"              | 20   | 83       | OK          |  |
| 1      | CD096 | 1040675 | INJECTOR 2.0 GPM FOR PRESSURE VESSEL 30"              | 20   | 83       | OK          |  |
| 1      | CD097 | 1040676 | INJECTOR 3.3 GPM FOR PRESSURE VESSEL 36"              | 20   | 83       | OK          |  |
| 1      | CD098 | 1040669 | BLANK INJECTOR                                        | 20   | 83       | OK          |  |
| 2      | CD088 | 1040677 | INJECTOR ASSEMBLY W/O INJECTOR                        | 20   | 83       | OK          |  |
| 3      | CD090 | 1000322 | INJECTOR SCREEN P/N 1000332                           | 20   | 83       | NO          |  |
| 4      | CD099 | 1040688 | PLUG FOR INJECTOR, REFILL AND PRESSURE REGULATORPORTS | 20   | 83       | NO          |  |



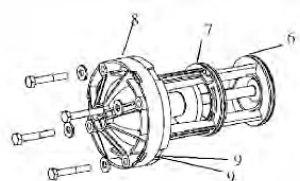
## MAGNUM DRAIN LINE FLOW CONTROL PART LIST



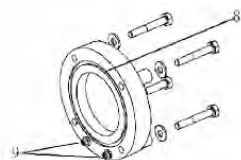
| Number | Ref   | P.N.    | Description                              | Fam. | Subfam. | Disp. Stock |  |
|--------|-------|---------|------------------------------------------|------|---------|-------------|--|
| 1      | CC101 | 1040720 | FLOW CONTROL DISK 05 GPM*                | 20   | 82      | OK          |  |
| 1      | CC102 | 1040721 | FLOW CONTROL DISK 06 GPM*                | 20   | 82      | OK          |  |
| 1      | CC103 | 1040723 | FLOW CONTROL DISK 08 GPM*                | 20   | 82      | OK          |  |
| 1      | CC104 | 1040725 | FLOW CONTROL DISK 10 GPM*                | 20   | 82      | OK          |  |
| 1      | CC114 | 1040729 | FLOW CONTROL DISK 14 GPM*                | 20   | 82      | OK          |  |
| 1      | CC107 | 1040745 | FLOW CONTROL DISK 20 GPM*                | 20   | 82      | OK          |  |
| 1      | CC110 | 1040735 | FLOW CONTROL DISK 30 GPM*                | 20   | 82      | OK          |  |
| 1      | CD101 | 1040756 | FLOW CONTROL INSERT 05 GPM BLUE          | 20   | 83      | NO          |  |
| 2      | CD102 | 1040757 | FLOW CONTROL INSERT 06 GPM RED           | 20   | 83      | OK          |  |
| 2      | CD103 | 1040758 | FLOW CONTROL INSERT 07 GPM LIGHT BROWN   | 20   | 83      | OK          |  |
| 2      | CD104 | 1040759 | FLOW CONTROL INSERT 08 GPM GREEN         | 20   | 83      | OK          |  |
| 2      | CD105 | 1040760 | FLOW CONTROL INSERT 09 GPM LIGHT BROWNED | 20   | 83      | OK          |  |
| 2      | CD106 | 1040761 | FLOW CONTROL INSERT 10 GPM BRICK RED     | 20   | 83      | OK          |  |
| 2      | CD107 | 1040763 | BLANK FLOW CONTROL INSERT BLACK          | 20   | 83      | NO          |  |
| 2      | CD180 |         | DLFC INSERTS KIT*                        | 20   | 83      | OK          |  |
| 3      | CD108 | 1040762 | FLOW CONTROL DISC WITH O-RING            | 20   | 83      | OK          |  |



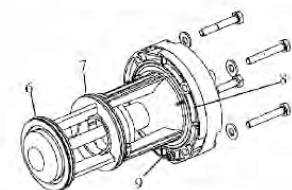
## MAGNUM CARTRIDGES PARTS LIST



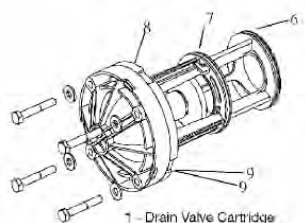
2 - Rinsing Valve Cartridge



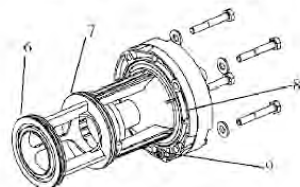
4 - Hard Water Bypass Cap



5 - Inlet Valve Cartridge



1 - Drain Valve Cartridge

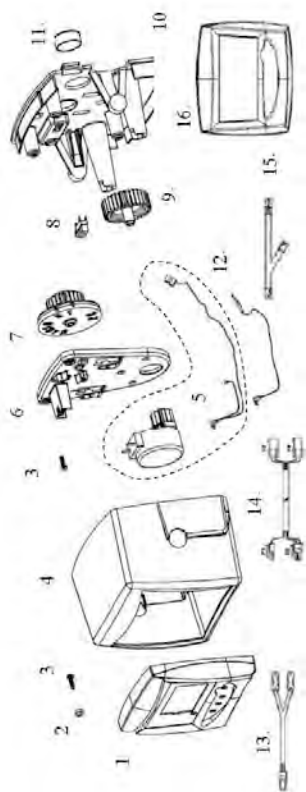


3 - No Hard Water Bypass Valve Cartridge

| Number    | Ref   | P.N.    | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|-----------|-------|---------|--------------------------------------------------|------|---------|-------------|--|
| 1-3       | CD111 | 1000366 | DRAIN VALVE/NO HARD WATER BYPASS VALVE CARTRIDGE | 20   | 83      | OK          |  |
| 2         | CD112 | 1000365 | RINSE VALVE CARTRIDGE                            | 20   | 83      | OK          |  |
| 4         | CD114 | 1000336 | HARD WATER BYPASS CAP                            | 20   | 83      | OK          |  |
| 5         | CD113 | 1000317 | INLET VALVE CARTRIDGE                            | 20   | 83      | OK          |  |
| 6         | CD118 | 1010157 | O RING # 6 P/N 1010157                           | 20   | 83      | NO          |  |
| 7         | CD119 | 1010158 | O RING # 7 P/N 1010158                           | 20   | 83      | NO          |  |
| 8         | CD120 | 1231646 | O RING # 8 P/N 1231646                           | 20   | 83      | NO          |  |
| 9         | CD124 | 1010116 | O RING # 9 P/N 1010116                           | 20   | 83      | NO          |  |
| Not shown | CD116 | 1040690 | O-RING KIT FOR HARD WATER BYPASS CAP P/N 1040690 | 20   | 83      | NO          |  |
| Not shown | CD115 | 1040689 | O-RING KIT P/N 1040689                           | 20   | 83      | NO          |  |



## SERIES MAGNUM 700 TIMER LIST



| Number    | Ref    | P.N.    | Description                                                | Fam. | Subfam. | Disp. Stock |  |
|-----------|--------|---------|------------------------------------------------------------|------|---------|-------------|--|
| 1         | AW512E |         | TIMER 742C W/CHECK SALT 12V 50/60HZ SYMBOL*                | 10   | 64      | OK          |  |
| 1         | AW515E |         | TIMER 762 12V 50/60HZ SYMBOL                               | 10   | 64      | NO          |  |
| 1         | AW518E |         | TIMER 742 12V 50/60HZ SYMBOL                               | 10   | 64      | OK          |  |
| 1         | AW525E |         | TIMER 762F W/CHECK SALT 12V 50/60HZ SYMBOL*                | 10   | 64      | OK          |  |
| 1         | AW505E |         | TIMER 764 12V 50/60HZ SYMBOL                               | 10   | 64      | OK          |  |
| 2         | CD135  | 1266224 | BUSHING LOGIX MOUNT                                        | 20   | 83      | NO          |  |
| 3         | CD136  | 1005981 | SCREW FOR MAGNUM LOGIX MOUNT                               | 20   | 83      | NO          |  |
| 4         | CD137  | 1262674 | TIMER COVER 293-298 P/N 1262674                            | 20   | 83      | NO          |  |
| 5         | AW126  | 1238861 | MOTOR W/SPACER AND PINION AND CABLE SERIES 700 P/N 1238861 | 10   | 64      | OK          |  |
| 8         | AW129  | 1235373 | OPTIC SENSOR P/N 1235373                                   | 10   | 64      | OK          |  |
| 9         | CD128  | 1262672 | IDLE GEAR LOGIX MAGNUM CONTROL                             | 20   | 83      | NO          |  |
| 12        | CD131  | 1266722 | TURBINE CABLE LOGIX LG=0.8 M                               | 20   | 83      | OK          |  |
| 12        | CD132  | 1266723 | TURBINE CABLE LOGIX LG=3 M                                 | 20   | 83      | OK          |  |
| 13        | AW365  | 3016715 | Y CABLE 4 PIN TURBINE SENSOR P/N 3016715                   | 10   | 64      | OK          |  |
| 14        | AW366  | 3016775 | INTERCONNECTION CABLE LOGIX TWIN LG 3 M P/N 3016775        | 10   | 64      | OK          |  |
| 15        | AW367  | 3020228 | START/LOCKOUT CABLE 3 PIN MULTI TANK P/N 3020228           | 10   | 64      | OK          |  |
| 16        | AW504  | 1254886 | SLAVE CONTROLLER P/N 1254886                               | 10   | 64      | NO          |  |
| Not shown | AW500  | 1000814 | EUROPEAN TRANSFORMER 230/12V                               | 10   | 64      | OK          |  |
| Not shown | AW501  | 1000813 | BRITISH TRANSFORMER                                        | 10   | 64      | OK          |  |
| Not shown | AV023A | 1239979 | 4 PIN CONNECTOR CABLE START 700 SERIES                     | 10   | 62      | OK          |  |



## Autotrol Valves Series 255 Accessories

**Bypass Kits 256:** with gaskets, brass adapters, screws and nuts.

| Ref   | Description                     | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------------|------|---------|-------------|--|
| AV028 | BY-PASS 256 KIT BRASS 3/4" GAS* | 10   | 62      | OK          |  |
| AV029 | BY-PASS 256 KIT BRASS 1" GAS*   | 10   | 62      | OK          |  |

| Ref   | Description                     | Connections in/out | Drain line |
|-------|---------------------------------|--------------------|------------|
| AV028 | BY-PASS 256 KIT BRASS 3/4" GAS* | 3/4"               | 1/2"       |
| AV029 | BY-PASS 256 KIT BRASS 1" GAS*   | 1"                 | 1/2"       |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

**Female manifold kits:** with o-rings, screws and nuts.

| Ref   | Description                         | Fam. | Subfam. | Disp. Stock |  |
|-------|-------------------------------------|------|---------|-------------|--|
| AV013 | MANIFOLD KIT NORYL FEMALE 3/4" BSPT | 10   | 62      | OK          |  |
| AV010 | MANIFOLD KIT BRASS FEMALE 3/4" GAS* | 10   | 62      | OK          |  |
| AV011 | MANIFOLD KIT BRASS FEMALE 1" GAS*   | 10   | 62      | OK          |  |

| Ref   | Description                         | Connections In/Out | Drain line | Material |
|-------|-------------------------------------|--------------------|------------|----------|
| AV013 | MANIFOLD KIT NORYL FEMALE 3/4" BSPT | 3/4"               | 1/2"       | Noryl    |
| AV010 | MANIFOLD KIT BRASS FEMALE 3/4" GAS* | 3/4"               | 3/8"       | Brass    |
| AV011 | MANIFOLD KIT BRASS FEMALE 1" GAS*   | 1"                 | 1/2"       | Brass    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

**Female mixing manifold kits :** with o-rings, screws and nuts.

| Ref   | Description                             | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------------------|------|---------|-------------|--|
| AV007 | MANIFOLD KIT 3/4" GAS BRASS MIXER*      | 10   | 62      | OK          |  |
| AV012 | MANIFOLD KIT BRASS FEMALE 1" GAS MIXER* | 10   | 62      | OK          |  |

| Ref   | Description                             | Connections in/out | Drain line | Material |
|-------|-----------------------------------------|--------------------|------------|----------|
| AV007 | MANIFOLD KIT 3/4" GAS BRASS MIXER*      | 3/4"               | 3/8"       | Brass    |
| AV012 | MANIFOLD KIT BRASS FEMALE 1" GAS MIXER* | 1"                 | 1/2"       | Brass    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |





## Autotrol Valves Series 255 Accessories

### Male manifold kits

- in plastic material Noryl;
- with o-rings, screws and nuts.

| Ref    | Description                                       | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------------|------|---------|-------------|--|
| AV001  | MANIFOLD 3/4" MALE WITH TURBINE P/N 1234260       | 10   | 62      | NO          |  |
| AV001A | MANIFOLD 255 3/4" BSP MALE NORYL + KIT P/N 123425 | 10   | 62      | OK          |  |
| AV022  | MANIFOLD 1" MALE WITH TURBINE + KIT P/N 1234259   | 10   | 62      | NO          |  |
| AV022A | MANIFOLD 255 1" BSP MALE NORYL + KIT P/N 1234255  | 10   | 62      | OK          |  |

| Ref    | Description                                       | Connections in/out | Drain line | Option          |
|--------|---------------------------------------------------|--------------------|------------|-----------------|
| AV001  | MANIFOLD 3/4" MALE WITH TURBINE P/N 1234260       | 3/4"               | 3/4"       | With turbine    |
| AV001A | MANIFOLD 255 3/4" BSP MALE NORYL + KIT P/N 123425 | 3/4"               | 3/4"       | Without turbine |
| AV022  | MANIFOLD 1" MALE WITH TURBINE + KIT P/N 1234259   | 1"                 | 1/2"       | With turbine    |
| AV022A | MANIFOLD 255 1" BSP MALE NORYL + KIT P/N 1234255  | 1"                 | 1/2"       | Without turbine |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

### Slim cover for valve 255 Logix

- in plastic material.

| Ref   | Description          | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------|------|---------|-------------|--|
| AW145 | 255 LOGIX SLIM COVER | 10   | 10      | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

### D. 32 interconnection kit for 255/764twin residential duplex systems

- special manifold for AUTOTROL 255 valves included;
- for twin alternating and twin parallel systems

| Ref   | Description                                        | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------------------------------------|------|---------|-------------|--|
| AV119 | INTERCONNECTION KIT 255/764 TWIN D.32 X 1" FEMALE* | 10   | 62      | OK          |  |

| Quantity | Description                               |
|----------|-------------------------------------------|
| 2        | Adapter PVC-U D = 32 mm - 1"              |
| 2        | Tee connection T PVC-U D = 32 mm          |
| 4        | Elbow PVC-U D = 32 mm D1 = 25 mm          |
| 4        | Tube PVC-U D = 32 mm                      |
| 2        | Elbow D = 32 mm                           |
| 2        | Coupling sleeve D = 32 mm                 |
| 2        | Manifold kit with adapter D. 32 to glue   |
| 2        | 256 by-pass with o-rings, screws and nuts |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |





## Autotrol Valves Series 263 - 268 - 278 Accessories

### 1265 bypass Kits

- special manifold for AUTOTROL valves series 263, 268 and 278;
- with gaskets, brass adapters and nuts.

| Ref   | Description                        | Fam. | Subfam. | Disp. Stock |  |
|-------|------------------------------------|------|---------|-------------|--|
| AV039 | BY-PASS 1265 KIT BRASS 1" GAS*     | 10   | 62      | OK          |  |
| AV040 | BY-PASS KIT 1265 BRASS 1 1/4" GAS* | 10   | 62      | OK          |  |

| Ref   | Description                        | Connections in/out |
|-------|------------------------------------|--------------------|
| AV039 | BY-PASS 1265 KIT BRASS 1" GAS*     | 1"                 |
| AV040 | BY-PASS KIT 1265 BRASS 1 1/4" GAS* | 1 1/4"             |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

### Manifold Kits

- special manifold for AUTOTROL valves series 263, 268 and 278;
- with 2 gaskets, 2 adapters and 2 nuts.

| Ref    | Description                         | Fam. | Subfam. | Disp. Stock |  |
|--------|-------------------------------------|------|---------|-------------|--|
| AV030B | MANIFOLD KIT BRASS MALE 3/4" GAS*   | 10   | 62      | OK          |  |
| AV031B | MANIFOLD KIT BRASS MALE " GAS*      | 10   | 62      | OK          |  |
| AV032  | MANIFOLD KIT PVC D,32               | 10   | 62      | OK          |  |
| AV038  | MANIFOLD KIT BRASS MALE 1 1/4" GAS* | 10   | 62      | OK          |  |

| Ref    | Description                         | Raccordi in/out |
|--------|-------------------------------------|-----------------|
| AV030B | MANIFOLD KIT BRASS MALE 3/4" GAS*   | 3/4"            |
| AV031B | MANIFOLD KIT BRASS MALE " GAS*      | 1"              |
| AV032  | MANIFOLD KIT PVC D,32               | D.32            |
| AV038  | MANIFOLD KIT BRASS MALE 1 1/4" GAS* | 1 1/4"          |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |





## Autotrol Valves Series 278 Accessories

### Kit di intercollegamento D. 32 per sistemi duplex residenziali 278/764 twin

- special manifold for AUTOTROL 278 valves included;
- for twin alternating and twin parallel systems;
- with IN/OUT connection D.32;

| Ref   | Description                                        | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------------------------------------|------|---------|-------------|--|
| AV128 | INTERCONNECTION KIT 278/764 TWIN D.32 X 1" FEMALE* | 10   | 62      | OK          |  |

| Quantity | Description                                |
|----------|--------------------------------------------|
| 2        | Adapter PVC-U D = 32 mm - 1"               |
| 2        | Tee connection T PVC-U D = 32 mm           |
| 4        | Elbow PVC-U D = 32 mm D1 = 25 mm           |
| 4        | Tube PVC-U D = 32 mm                       |
| 2        | Elbow D = 32 mm                            |
| 2        | Coupling sleeve D = 32 mm                  |
| 2        | Manifold kit with adapter D. 32 to glue    |
| 2        | 1265 by-pass with o-rings, screws and nuts |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

### D.40 interconnection kit for 278/764twin residential duplex systems

- special manifold for AUTOTROL 278 valves included;
- for twin alternating and twin parallel systems;
- with IN/OUT connection D.40;

| Ref   | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------------------------------------|------|---------|-------------|--|
| AV129 | INTERCONNECTION KIT 278/764 TWIN D.40 X 1" 1/4 FEMALE * | 10   | 62      | OK          |  |

| Quantity | Description                                |
|----------|--------------------------------------------|
| 2        | Adapter PVC-U D = 40 mm - 1 1/4"           |
| 2        | Tee connection T PVC-U D = 40 mm           |
| 4        | Reducing socket PVC-U D = 40 mm D2 = 32 mm |
| 4        | Elbow PVC-U D = 32 mm D1 = 25 mm           |
| 4        | Tube PVC-U D = 32 mm                       |
| 2        | Elbow D = 32 mm                            |
| 2        | Coupling sleeve D = 32 mm                  |
| 2        | Manifold kit with adapter D. 32 to glue    |
| 2        | 1265 by-pass with o-rings, screws and nuts |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |



## Autotrol Valves Magnum Accessories

### Magnum side mounting adapters

- in PVC material

| Ref   | Description                           | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------------------|------|---------|-------------|--|
| CC084 | SIDE MOUNT ADAPTER PVC 2" BSPT FEMALE | 20   | 82      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |



### Manifold kits

- with 3 nuts, 3 gaskets and 3 adapters.

| Ref.  | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------------------------------|------|---------|-------------|--|
| CC080 | MAGNUM 1,5" STAINLESS STEEL ADAPTER KIT BSPT | 20   | 82      | OK          |  |
| CC081 | MAGNUM 1.5" PVC D.50 MM ADAPTER KIT          | 20   | 82      | OK          |  |
| CC082 | MAGNUM 2" STAINLESS STEEL ADAPTER KIT BSPT   | 20   | 82      | OK          |  |
| CC083 | MAGNUM 2" PVC D.63 MM ADAPTER KIT            | 20   | 82      | OK          |  |

| Ref.  | Description                                  | in/out Connection | For autotrol valve    |
|-------|----------------------------------------------|-------------------|-----------------------|
| CC080 | MAGNUM 1,5" STAINLESS STEEL ADAPTER KIT BSPT | 1½"BSPT           | Magnum cv 1,5" series |
| CC080 | MAGNUM 1.5" PVC D.50 MM ADAPTER KIT          | D.50              | Magnum cv 1,5" series |
| CC082 | MAGNUM 2" STAINLESS STEEL ADAPTER KIT BSPT   | 2" BSPT           | Magnum it 2" series   |
| CC083 | MAGNUM 2" PVC D.63 MM ADAPTER KIT            | D.63              | Magnum it 2" series   |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |



## Autotrol Valves Magnum Accessories

### D.25 NPT 3/4" Pipe Union

- Suitable for brine line connection of the Magnum valves, alone or in coupling with a bonding hose connection (REF. CC086);
- In PVC-U.

| Ref   | Description               | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------|------|---------|-------------|--|
| CC085 | UNION D.25 NPT 3/4" PVC-U | 20   | 82      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

### D.25 Drain Fitting to glue

- Suitable for brine line connection of the Magnum valves, in coupling with D.25 NPT 3/4" pipe union (REF. CC085);
- In PVC-U.

| Ref   | Description                        | Fam. | Subfam. | Disp. Stock |  |
|-------|------------------------------------|------|---------|-------------|--|
| CC086 | HOSE CONNECTION D.25 PVC-U TO GLUE | 20   | 82      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

### 3/4" - 3/4" F Elbow Fitting

- Suitable for the Brine Valve CC059 or for air check CC064M;
- In PVC-U.

| Ref   | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------------------------------|------|---------|-------------|--|
| CC066 | ELBOW PVC-U 3/4" F TO GLUE - 3/4" F THREADED | 20   | 82      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

## Valves Accessories

### Blending kit for Autotrol valves

- kit of nut and screw to install on 255 and 268 valves for blending of hard and softened water;
- insert the nut into the blending valve orifice located near the bypass flapper. Insert the screw through the top plate and the nut, and the screw until it touch the bypass flapper ;
- tightening the screw will force the bypass flapper open witch will blend hard water into the softened water supply. Loosening the screw will allow the bypass flapper to close reducing the blending;
- test the water and adjust the screw until the desired hardness level is reached.

| Ref   | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|-------|--------------------------------------------------------|------|---------|-------------|--|
| AV037 | BLENDING KIT SCREW FOR 700 SERIES AND 255/400 NEWSTYLE | 10   | 62      | OK          |  |
| AV185 | MIXING VALVE FOR 366-368 VALVE                         | 10   | 62      | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |





## Valves Accessories

### Twist lock upper screens

- in ABS;
- max diameter 60 mm, length 64 mm;
- slots 0,3 mm.

| Ref   | Description                 | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------|------|---------|-------------|--|
| AV070 | UPPER SCREEN 13/16" BAJONET | 10   | 62      | OK          |  |
| AV071 | UPPER SCREEN 1.05" BAJONET  | 10   | 62      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |



AV072A



AV073A

### Upper screen

- in ABS;
- max diameter 60 mm, length 64 mm;
- slots 0,3 mm.

| Ref    | Description                              | Fam. | Subfam. | Disp. Stock |  |
|--------|------------------------------------------|------|---------|-------------|--|
| AV073  | UPPER SCREEN 1.05" (FOR PV400 AND PV401) | 10   | 62      | OK          |  |
| AV072A | UPPER SCREEN 13/16" (FOR PV415)          | 50   | 241     | OK          |  |
| AV073A | UPPER SCREEN 1.05" (FOR PV415)           | 50   | 241     | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### Upper screens to glue

- in ABS;
- diameter 88 mm;
- slots 0,3 mm.

| Ref   | Description                             | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------------------|------|---------|-------------|--|
| CC050 | UPPER SCREEN D=48,3 MM                  | 20   | 82      | OK          |  |
| PV407 | UPPER SCREEN FOR 4" ADAPTER 1.1/4" TUBE | 50   | 241     | OK          |  |

| Ref   | Lenght (mm) | For tube (mm)  | For autotrol valve |
|-------|-------------|----------------|--------------------|
| CC050 | 150         | 48,3           | Magnum             |
| PV407 | 150         | 41,8 (1 1/4 ") | Adapter 4"-PV402   |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                          |
|--------------|--------------|----------------------------------|
| DM174-2004   |              | Domestic, Commercial, Industrial |





## Valves Accessories

### Fittings for valves

- Jaco Style elbow fittings for 3/8" tubing;
- material PP.

| Ref   | Description                             | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------------------|------|---------|-------------|--|
| AV150 | ELBOW FITTING AIR-CHECK 1/4" FEMALE NPT | 10   | 62      | OK          |  |
| AV154 | ELBOW FITTING 3/8" FEMALE NPT           | 10   | 62      | OK          |  |

| Ref   | Description                             | For autotrol valve |
|-------|-----------------------------------------|--------------------|
| AV150 | ELBOW FITTING AIR-CHECK 1/4" FEMALE NPT | 255                |
| AV154 | ELBOW FITTING 3/8" FEMALE NPT           | 268-366-368        |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### Fittings for valves

- Jaco Style straight fittings for 3/8" tubing;
- material PP.

| Ref   | Description                    | Fam. | Subfam. | Disp. Stock |  |
|-------|--------------------------------|------|---------|-------------|--|
| AV152 | STRAIGHT FITTING 1/4" MALE NPT | 10   | 62      | OK          |  |
| AV153 | STRAIGHT FITTING 3/8" MALE NPT | 10   | 62      | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### Fittings for valves

- Jaco Style elbow fittings for 3/8" tubing;
- material PP.

| Ref   | Description                                | Fam. | Subfam. | Disp. Stock |  |
|-------|--------------------------------------------|------|---------|-------------|--|
| AV151 | ELBOW FITTING AIR-CHECK 1/4" MALE NPT      | 10   | 62      | OK          |  |
| AV160 | ELBOW FITTING 1/4" FEMALE NPT JC 45-6-4 PO | 10   | 62      | OK          |  |
| AV159 | ELBOW FITTING 3/8" MALE NPT                | 10   | 62      | OK          |  |

| Ref   | Description                                | For Autotrol valve |
|-------|--------------------------------------------|--------------------|
| AV151 | ELBOW FITTING AIR-CHECK 1/4" MALE NPT      | 155                |
| AV160 | ELBOW FITTING 1/4" FEMALE NPT JC 45-6-4 PO |                    |
| AV159 | ELBOW FITTING 3/8" MALE NPT                |                    |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |





## Valves Accessories

### Fittings for valves

- Jaco Style bulkhead union for 3/8" tubing;
- material PP.

| Ref   | Description             | Fam. | Subfa m. | Disp. Stock |  |
|-------|-------------------------|------|----------|-------------|--|
| AV156 | BULKHEAD UNION 3/8" NPT | 10   | 62       | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### Fittings for valves

- Jaco Style union elbow;
- material PP

| Ref   | Description                               | Fam. | Subfa m. | Disp. Stock |  |
|-------|-------------------------------------------|------|----------|-------------|--|
| AV155 | ELBOW FITTING UNION 3/8" NPT              | 10   | 62       | OK          |  |
| AV162 | ELBOW FITTING 1/2" F X 1/2" F JC 50-8 PPG | 10   | 62       | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### Fittings for valves

- Jaco Style union TEE for 3/8" tubing;
- material PP.

| Ref   | Description              | Fam. | Subfa m. | Disp. Stock |  |
|-------|--------------------------|------|----------|-------------|--|
| AV158 | UNION TEE 3/8" UNION NPT | 10   | 62       | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### Straight drain fittings

- suitable for flexible hose 12,7 mm internal diameter;
- material nylon.

| Ref   | Description                      | Fam. | Subfa m. | Disp. Stock |  |
|-------|----------------------------------|------|----------|-------------|--|
| AV170 | STRAIGHT DRAIN FITTING 3/8" M    | 10   | 62       | OK          |  |
| AV171 | STRAIGHT DRAIN FITTING 1/2" M    | 10   | 62       | OK          |  |
| AV169 | STRAIGHT DRAIN FITTING 1/2" FX16 | 10   | 62       | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |



## Elbowed drain fittings

- suitable for flexible hose 12,7 mm internal diameter;
- material nylon / polyethylene.

| Ref   | Description                | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------------|------|---------|-------------|--|
| AV172 | ELBOW DRAIN FITTING 3/8" M | 10   | 62      | OK          |  |
| AV173 | ELBOW DRAIN FITTING 1/2" M | 10   | 62      | OK          |  |
| AV174 | ELBOW DRAIN FITTING 1/2" F | 10   | 62      | OK          |  |
| AV175 | ELBOW DRAIN FITTING 3/4" F | 10   | 62      | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |



## Overflow elbows with nut

- material nylon.

| Ref   | Description         | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------|------|---------|-------------|--|
| AV180 | OVERFLOW ELBOW 3/8" | 10   | 62      | OK          |  |
| AV181 | OVERFLOW ELBOW 1/2" | 10   | 62      | OK          |  |

| Ref   | Description         | For hose int. ø (mm) |
|-------|---------------------|----------------------|
| AV180 | OVERFLOW ELBOW 3/8" | 12,7                 |
| AV181 | OVERFLOW ELBOW 1/2" | 15,5                 |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |



## Valves Accessories

### Pvc tubes to glue

- for lower diffusers and lower lateral systems;
- to glue;
- in PVC.

| Ref   | Description                                                              | Fam. | Subfam. | Disp. Stock |  |
|-------|--------------------------------------------------------------------------|------|---------|-------------|--|
| AV126 | PVC TUBE 3/8" OD (D OUT.=9,5MM - D IN.=7MM +0/-0,1)<br>L=280MM           | 10   | 62      | OK          |  |
| AV083 | PVC TUBE 13/16" OD (D OUT.=20,6MM - D IN.=18MM +0/-0,3)<br>L=889MM(35")  | 10   | 62      | OK          |  |
| AV084 | PVC TUBE 13/16" OD (D OUT.=20,6MM - D IN.=18MM +0/-0,3)<br>L=1397MM(55") | 10   | 62      | OK          |  |
| AV087 | PVC TUBE 1.05" OD (D OUT.=26,6MM - D IN.=23MM +0/-0,3)<br>L=1829MM(72")  | 10   | 62      | OK          |  |
| AV632 | PVC TUBE D=32 MM (D OUT.=32MM - D IN.=28,4MM +0/-0,3)<br>L=2000MM        | 22   | 940     | OK          |  |
| CF012 | PVC TUBE D=41,8 MM (D OUT.=42MM - D IN.=36MM +0/-0,3)<br>L=2000MM        | 20   | 87      | OK          |  |
| CC052 | PVC TUBE D=48,3 MM (D OUT.=48,35MM - D IN.=42,3MM+0/-0,3)<br>L=2000MM    | 20   | 82      | OK          |  |
| CF050 | PVC TUBE D=50 MM (D OUT.=50MM - D IN.=43,96MM +0/-0,3)<br>L=2000MM       | 22   | 970     | OK          |  |
| CF063 | PVC TUBE D=63 MM (D OUT.=63MM - D IN.=56,96MM +0/-0,3)<br>L=2000MM       | 22   | 970     | OK          |  |

| Certificates | Manufacturer | Sectors                          |
|--------------|--------------|----------------------------------|
| DM174-2004   |              | Domestic, Commercial, Industrial |

### Diffusors with tube

- 1,05" hi-flow lower diffuser;
- PVC tube included;
- slots 0,3 mm.

| Ref    | Description                                                   | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------------------------|------|---------|-------------|--|
| AV116M | PVC TUBE 1.05" OD L=432MM(17") + LOWER DIFFUSER<br>AV097MWG*  | 10   | 62      | OK          |  |
| AV117M | PVC TUBE 1.05" OD L=889MM(35") + LOWER DIFFUSER<br>AV097MWG*  | 10   | 62      | OK          |  |
| AV103M | PVC TUBE 1.05" OD L=1397MM(55") + LOWER DIFFUSER<br>AV097MWG* | 10   | 62      | OK          |  |
| AV104M | PVC TUBE 1.05" OD L=1829MM(72") + LOWER DIFFUSER<br>AV097MWG* | 10   | 62      | OK          |  |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |





AV0973202

## Lower diffusers to glue

- Lower diffusers in ABS; max diameter 60 mm; slots 0,3 mm; connection to glue;
- AV0973202 lower diffuser has max diameter 68 mm and slots 0,2 mm.

| Ref.      | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-----------|----------------------------------------------|------|---------|-------------|--|
| AV098     | LOWER DIFFUSER CONIC (FOR 13/16" OD TUBE)    | 10   | 62      | OK          |  |
| AV098A    | LOWER DIFFUSER CONIC (FOR 1.05" OD TUBE)     | 10   | 62      | OK          |  |
| AV097MWG  | MWG LOWER DIFFUSER CONIC (FOR 1.05" OD TUBE) | 10   | 62      | OK          |  |
| AV0973202 | LOWER DIFFUSER 32 MM (0.2 MM)                | 10   | 62      | OK          |  |

| Ref.      | Height (mm)   | Flow (lpm) Δp 30 mbar |
|-----------|---------------|-----------------------|
| AV098     | 80            | 24                    |
| AV098A    | 80            | 32                    |
| AV097MWG  | 105 high flow | 40                    |
| AV0973202 | 105 high flow | 50                    |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |



## Cylindrical lower diffusers

- cylindrical lower diffuser in ABS, diameter 88 mm; slots 0,3 mm; connection to glue.

| Ref.       | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|------------|--------------------------------------------------------------|------|---------|-------------|--|
| PV315      | CYLINDRICAL LOWER DIFFUSER L=112MM TO GLUE FOR TUBE D=26,7MM | 10   | 62      | OK          |  |
| CF011      | CYLINDRICAL LOWER DIFFUSER L=102MM TO GLUE FOR TUBE D=41,8MM | 20   | 87      | OK          |  |
| CF014      | CYLINDRICAL LOWER DIFFUSER L=102MM TO GLUE FOR TUBE D=48,3MM | 20   | 87      | OK          |  |
| CC051      | CYLINDRICAL LOWER DIFFUSER L=180MM TO GLUE FOR TUBE D=48,3MM | 20   | 82      | OK          |  |
| V-D1197-09 | 970 BOTTOM STACK DISTRIBUTOR 50 MM SOLVENT                   | 25   | 850     | OK          |  |
| FVA18396   | BOTTOM DISTRIBUTOR 2"                                        | 23   | 590     | OK          |  |

| Item | Ref.       | Length. (mm) | Ø For tube (mm) | For valve              |
|------|------------|--------------|-----------------|------------------------|
| 1    | PV315      | 112          | 26,7 (1,05")    |                        |
| 1    | CF011      | 102          | 41,8 (1 1/4")   | PV402                  |
| 1    | CF014      | 102          | 48,3            | Autotrol 180 new model |
| 2    | CC051      | 180          | 48,3            | Autotrol Magnum        |
| 2    | V-D1197-09 | 180          | 50              |                        |
|      | FVA18396   | 200          | 50              |                        |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| DM174-2004   |              | Commercial, Industrial |



## Segmented lower diffusers

- segmented lower diffuser in ABS;
- diameter 66 mm;
- slots 0,3 mm;
- to glue on tube 1,05";
- flow = 50 lpm  $\Delta p$  30 mbar.

| Ref    | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|--------|----------------------------------------------|------|---------|-------------|--|
| AV099A | SEGMENTED LOWER DIFFUSER (FOR 1.05" OD TUBE) | 10   | 62      | OK          |  |
| AV099C | SEGMENTED LOWER DIFFUSER (FOR D.32 MM TUBE)  | 10   | 62      | OK          |  |

| Ref    | Length. (mm) | Ø For tube (mm) |
|--------|--------------|-----------------|
| AV099A | 102          | 26,7 (1,05")    |
| AV099C | 98,5         | 32              |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |



## Valves Accessories

### Lower lateral systems for top mounted valves

- For top mounted valves;
- ABS material;
- With 8 laterals (threaded connection) slots 0,3 mm;
- Hub connection to glue.



| Ref     | Description                                                   | Fam. | Subfam. | Disp. Stock |  |
|---------|---------------------------------------------------------------|------|---------|-------------|--|
| PV316   | LOWER THREADED LATERAL DIFFUSER FOR 263-268-278 14"-16"*      | 10   | 62      | OK          |  |
| PV317   | LOWER THREADED LATERAL DIFFUSER FOR 263-268-278 18"-21"-24"*  | 10   | 62      | OK          |  |
| PV31632 | LOWER LATERAL DIFFUSER FOR TUBE D.32 MM 14"-16"*              | 10   | 62      | OK          |  |
| PV31732 | LOWER LATERAL DIFFUSER FOR TUBE D.32 MM 18"-21"-24"*          | 10   | 62      | OK          |  |
| PV318   | LOWER THREADED LATERAL DIFFUSER FOR PV402 ADAPTER14"-16"*     | 20   | 87      | OK          |  |
| PV319   | LOWER THREADED LATERAL DIFFUSER FOR PV402 ADAPTER18"-21"-24"* | 20   | 87      | OK          |  |
| PV320   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 14"-16"*           | 20   | 82      | OK          |  |
| PV321   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 18"-21"-24"*       | 20   | 82      | OK          |  |
| PV322   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 30"*               | 20   | 82      | OK          |  |
| PV323   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 36"*               | 20   | 82      | OK          |  |

| Ref     | Description                                                   | Ø Useful fo vessel (pollici) | Ø Hub connect for tube (mm) |
|---------|---------------------------------------------------------------|------------------------------|-----------------------------|
| PV316   | LOWER THREADED LATERAL DIFFUSER FOR 263-268-278 14"-16"*      | 14"-16"                      | 26,7 (1,05")                |
| PV317   | LOWER THREADED LATERAL DIFFUSER FOR 263-268-278 18"-21"-24"*  | 18"-21"-24"                  | 26,7 (1,05")                |
| PV31632 | LOWER LATERAL DIFFUSER FOR TUBE D.32 MM 14"-16"*              | 14"-16"                      | 32                          |
| PV31732 | LOWER LATERAL DIFFUSER FOR TUBE D.32 MM 18"-21"-24"*          | 18"-21"-24"                  | 32                          |
| PV318   | LOWER THREADED LATERAL DIFFUSER FOR PV402 ADAPTER14"-16"*     | 14"-16"                      | 41,8 (1¼")                  |
| PV319   | LOWER THREADED LATERAL DIFFUSER FOR PV402 ADAPTER18"-21"-24"* | 18"-21"-24"                  | 41,8 (1¼")                  |
| PV320   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 14"-16"*           | 14"-16"                      | 48,3 (1,90")                |
| PV321   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 18"-21"-24"*       | 18"-21"-24"                  | 48,3 (1,90")                |
| PV322   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 30"*               | 30"                          | 48,3 (1,90")                |
| PV323   | LOWER THREADED LATERAL DIFFUSER FOR MAGNUM 36"*               | 36"                          | 48,3 (1,90")                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
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|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| DM174-2004   |              | Commercial, Industrial |



## Lower lateral systems for top mounted valves

- For top mounted valves;
- ABS material;
- With 6 twist lock laterals, slots 0,25 mm;
- Hub connection to glue.

| Ref      | Description                                                | Fam. | Subfam. | Disp. Stock |  |
|----------|------------------------------------------------------------|------|---------|-------------|--|
| PV316B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR 263-268-27814-16"    | 10   | 62      | OK          |  |
| PV317B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR 263-268-27818-21-24" | 10   | 62      | OK          |  |
| PV318B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR PV402 14-16          | 10   | 62      | OK          |  |
| PV319B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR PV402 18-21-24"      | 10   | 62      | OK          |  |
| PV320B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR MAGNUM 14-16"        | 20   | 82      | OK          |  |
| PV321B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR MAGNUM 18-21-24"     | 20   | 82      | OK          |  |
| PV322B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR MAGNUM 30"           | 20   | 82      | OK          |  |
| PV323B   | TWIST LOCK LOWER LATERAL DIFFUSER FOR MAGNUM 36"           | 20   | 82      | OK          |  |
| PV320B50 | TWIST LOCK LOWER LATERAL DIFFUSER FOR D.50 TUBE 14-16"     | 10   | 62      | OK          |  |
| PV321B50 | TWIST LOCK LOWER LATERAL DIFFUSER FOR D.50 TUBE 18-21-24"  | 10   | 62      | OK          |  |
| PV322B50 | TWIST LOCK LOWER LATERAL DIFFUSER FOR D.50 TUBE 30"        | 10   | 82      | OK          |  |
| PV323B50 | TWIST LOCK LOWER LATERAL DIFFUSER FOR D.50 TUBE 36"        | 10   | 82      | OK          |  |

| Ref      | Ø Useful for vessels (inch) | Ø Hub connect for tube (mm) | Ø D (mm) | For Autotrol valve |
|----------|-----------------------------|-----------------------------|----------|--------------------|
| PV316B   | 14"-16"                     | 26,7 (1,05")                | 260      | PERFORMA           |
| PV317B   | 18"-21"-24"                 | 26,7 (1,05")                | 373      | PERFORMA           |
| PV318B   | 14"-16"                     | 41,8 (1¼")                  | 260      | PV402              |
| PV319B   | 18"-21"-24"                 | 41,8 (1¼")                  | 373      | PV402              |
| PV320B   | 14"-16"                     | 48,3 (1,90")                | 260      | MAGNUM             |
| PV321B   | 18"-21"-24"                 | 48,3 (1,90")                | 373      | MAGNUM             |
| PV322B   | 30"                         | 48,3 (1,90")                | 563      | MAGNUM             |
| PV323B   | 36"                         | 48,3 (1,90")                | 705      | MAGNUM             |
| PV320B50 | 14"-16"                     | 50 (2")                     | 260      |                    |
| PV321B50 | 18"-21"-24"                 | 50 (2")                     | 373      |                    |
| PV322B50 | 30"                         | 50 (2")                     | 563      |                    |
| PV323B50 | 36"                         | 50 (2")                     | 705      |                    |

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| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
|              |              | Commercial, Industrial |



## Valves Accessories

### Diffusor for brine draw

- connection for rigid or flexible tube 3/8".

| Ref   | Description                     | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------------|------|---------|-------------|--|
| AV118 | DIFFUSER FOR BRINE TUBE 3/8" OD | 10   | 62      | OK          |  |

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| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Mesh type screen with tube

- mesh type screen for brine complete with 3/8" PVC tube length 42".

| Ref    | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|--------|--------------------------------------------------------|------|---------|-------------|--|
| AV090M | PVC TUBE 3/8" OD L=1067MM(42") + MESH TYPE SCREENAV075 | 10   | 62      | OK          |  |

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| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Mesh type screen for brine

- For 3/8" tube to glue.

| Ref   | Description                                   | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------------------------|------|---------|-------------|--|
| AV075 | MESH TYPE SCREEN FOR BRINE (FOR 3/8" OD TUBE) | 10   | 62      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
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| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |





## Valves Accessories

### Polyethylene flexible tubes

- flexible tubes 1/4" or 3/8" (= 9,54 mm) diameter;
- availability of different colors;
- hanks of 100 m (only AV140 is 30 m).

| Ref    | Description                               | Fam. | Subfam. | Disp. Stock |  |
|--------|-------------------------------------------|------|---------|-------------|--|
| AV140  | POLYETILENE 3/8" CLEAR ROLL 30 MT         | 10   | 62      | OK          |  |
| AV140A | POLYETILENE 3/8" CLEAR ROLL 100 MT        | 10   | 62      | OK          |  |
| AV140P | POLYETILENE 1/2" (9,54X12,7 MM) ROLL 30 M | 10   | 62      | OK          |  |
| DH252  | POLYETILENE 3/8" BLACK ROLL 100 MT        | 30   | 175     | OK          |  |
| DH253  | POLYETILENE 3/8" WHITE ROLL 100 MT        | 30   | 175     | OK          |  |
| DH254  | POLYETILENE 3/8" RED ROLL 100 MT          | 30   | 175     | OK          |  |
| DH255  | POLYETILENE 3/8" BLUE ROLL 100 MT         | 30   | 175     | OK          |  |
| DH231  | POLYETILENE 1/4" CLEAR ROLL 100 MT        | 30   | 175     | OK          |  |
| DH232  | POLYETILENE 1/4" BLACK ROLL 100 MT        | 30   | 175     | OK          |  |
| DH233  | POLYETILENE 1/4" WHITE ROLL 100 MT        | 30   | 175     | OK          |  |
| DH234  | POLYETILENE 1/4" RED ROLL 100 MT          | 30   | 175     | OK          |  |
| DH235  | POLYETILENE 1/4" BLUE ROLL 100 MT         | 30   | 175     | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
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|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| DM174-2004   |              | Domestic |

### J-tube air-check with tube

- J-tube with air-check, complete with PVC tube.

| Ref.     | Description                                        | Fam. | Subfam. | Disp. Stock |  |
|----------|----------------------------------------------------|------|---------|-------------|--|
| AV093MWG | PVC TUBE 3/8" OD L=1067MM(42") +AIR-CHECK AV108MWG | 10   | 62      | OK          |  |
| CC064M   | PVC TUBE 3/4" OD L=1200MM + AIR-CHECK CC063*       | 10   | 62      | OK          |  |

| Ref.     | Description                                        | Tube diameter (inch) | Lenght (mm) |
|----------|----------------------------------------------------|----------------------|-------------|
| AV093MWG | PVC TUBE 3/8" OD L=1067MM(42") +AIR-CHECK AV108MWG | 3/8"                 | 1060        |
| CC064M   | PVC TUBE 3/4" OD L=1200MM + AIR-CHECK CC063*       | 3/4"                 | 1200        |

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| Certificates | Manufacturer | Sectors                          |
|--------------|--------------|----------------------------------|
|              |              | Domestic, Commercial, Industrial |



## Brine Valves Accessories

### Model 464

- model 464 Standard version (for no timed refill controls) and High Flow (for timed refill controls);
- connection for 3/8" tubing;
- length tube 42" (1060 mm);
- length float rod 600 mm;
- brine draw rate 3,8 l/min @ 152 mm Hg vacuum;
- max operating pressure 8,5 bar 40°C;
- brine well diameter 90 mm min.

| Ref   | Description                                                     | Fam. | Subfa m. | Disp. Stock |  |
|-------|-----------------------------------------------------------------|------|----------|-------------|--|
| AV096 | 464 STANDARD BRINE VALVE KIT + PVC TUBE 3/8" OD L*=1067MM(42")* | 10   | 62       | OK          |  |
| AV125 | 464 HIGH FLOW BRINE VALVE KIT + PVC TUBE 3/8" ODL=1067MM(42")*  | 10   | 62       | OK          |  |

| Ref   | Description                                                     | Refill flow rate (l/min) @ 3,5 bar |
|-------|-----------------------------------------------------------------|------------------------------------|
| AV096 | 464 STANDARD BRINE VALVE KIT + PVC TUBE 3/8" OD L*=1067MM(42")* | 1,3                                |
| AV125 | 464 HIGH FLOW BRINE VALVE KIT + PVC TUBE 3/8" ODL=1067MM(42")*  | 3,8                                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
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|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Model 484

- complete with 3/4" tube length 1200 mm;
- length float rod 915 mm;
- refill flow rate 15 l/min @ 3,5 bar;
- brine draw rate 38 l/min @ 66 mm Hg vacuum;
- max operating pressure 8,5 bar @ 40°C;
- brine well diameter 130 mm.

| Ref   | Description                                  | Fam. | Subfa m. | Disp. Stock |  |
|-------|----------------------------------------------|------|----------|-------------|--|
| CC059 | PVC TUBE 3/4" OD L=1200MM + 484 BRINE VALVE* | 20   | 82       | OK          |  |

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| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
|              |              | Commercial, Industrial |

### Model 2310

- length float rod 774 mm;
- refill flow rate 4,5 l/min;
- brine draw rate 2,1 l/min;
- max operating pressure 8,6 bar @ 40°C;
- brine well diameter 100 mm;
- without air check.

| Ref          | Description                              | Fam. | Subfa m. | Disp. Stock |  |
|--------------|------------------------------------------|------|----------|-------------|--|
| FVA060067-03 | SBV 2310 - BRINE VALVE WITHOUT AIR CHECK | 23   | 590      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
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| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
|              |              | Commercial, Industrial |





## Brine Valves Accessories

### Model RF09959

- complete with 3/8" tube length 855 mm;
- max refill flow rate 7 l/min @ 4 bar;
- max brine draw rate 2 l/min;
- max operating pressure 6 bar;
- brine well diameter 100 mm.

| Ref     | Description        | Fam. | Subfam. | Disp. Stock |  |
|---------|--------------------|------|---------|-------------|--|
| RF09959 | FLOATING VALVE 35" | 22   | 940     | OK          |  |

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|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
|              | Runxin       | Commercial, Industrial |

### Model 434

- complete with 3/8" tube length 693 mm;
- max refill flow rate 2,3 l/min @ 4 bar;
- max brine draw rate 2 l/min;
- max operating pressure 6 bar;
- brine well diameter 90 mm.

| Ref.  | Description                                 | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------------------------|------|---------|-------------|--|
| AV123 | 434N BRINE VALVE H=733 MM WITH TUBE 3/8" OD | 10   | 62      | OK          |  |

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|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors              |
|--------------|--------------|----------------------|
|              |              | Domestic, Commercial |



## Heads for tank

- PVC heads for tank complete with NBR o-ring;
- max operating pressure 8 bar; - max operating temperature 50°C;
- REF. PV400 and REF. PV401 are to use with upper screen REF. AV073 and with lower diffusers on catalogue;
- REF. PV402 is to use with upper screen REF. PV407 and with lower diffuser REF. CF011.

| Ref   | Description                             | Fam. | Subfa m. | Disp. Stock |  |
|-------|-----------------------------------------|------|----------|-------------|--|
| PV400 | ADAPTER 2.1/2" IN/OUT 3/4" GAS F W/PLUG | 50   | 240      | OK          |  |
| PV401 | ADAPTER 2.1/2" IN/OUT 3/4" GAS F        | 50   | 240      | OK          |  |
| PV402 | ADAPTER 4" IN/OUT 1.1/4"GAS F W/PLUG    | 50   | 240      | OK          |  |

| Ref   | Option plug | Rise tube diameter | Max flow rate suggested | Fit threaded tanks |
|-------|-------------|--------------------|-------------------------|--------------------|
| PV400 | ½"on outlet | 1,05" (26,6 mm)    | 2,5 m3/h                | 2 ½"8NPSM          |
| PV401 | no plug     | 1,05" (26,6 mm)    | 2,5 m3/h                | 2 ½"8NPSM          |
| PV402 | ½"on outlet | 41,8 mm            | 6,0 m3/h                | 4"-8UN             |



- PP molded heads for tank with connection threaded 2 ½" - 8NPSM;
- complete with NBR o-ring; - without plug;
- max operating pressure 8 bar;
- max operating temperature 45°C; it is to use with upper screen REF. AV070 and with lower diffuser REF. AV098.

| Ref   | Description                            | Fam. | Subfa m. | Disp. Stock |  |
|-------|----------------------------------------|------|----------|-------------|--|
| PV409 | ADAPTER 2 1/2" MOULDED IN/OUT 3/4" NPT | 50   | 240      | OK          |  |

| Ref   | Riser tube diameter | Max suggested flow rate |
|-------|---------------------|-------------------------|
| PV409 | 13/16"              | 2,5 m3/h                |



- ABS molded heads for tank with connection threaded 2 ½" - 8NPSM; -Complete with NBR o-ring (ref. PV418);
- 3-way threaded connections are 3/4" GAS;
- Max operating pressure 8 bar; - Max operating temperature 45°C;
- Riser tube 13/16"; - Optional adapter for 1,05" tube ; -to be used with upper screen ref. AV073A (1,05") or AV072A (13/16").

| Ref.  | Description                                       | Fam. | Subfa m. | Disp. Stock |  |
|-------|---------------------------------------------------|------|----------|-------------|--|
| PV415 | 3-WAY MANUAL VALVE                                | 50   | 240      | OK          |  |
| PV416 | PLUG 3/4" WITH O-RING FOR PV415 3-WAY MANUAL VALV | 50   | 240      | OK          |  |
| PV417 | ADAPTER FOR PV415 3-WAY MANUAL VALVE              | 50   | 240      | OK          |  |
| PV418 | O-RING T.4xD.65 IN NBR70 FOR VALVE PV415          | 50   | 240      | OK          |  |



## Conductivity Meter Resilight

- positive, reliable and economical method of monitoring water quality via conductivity;
- bright green/red visual output easy to read;
- Green: conductivity below the threshold value;
- Red: conductivity above the threshold value;
- set point conductivity adjustable from 1,5 to 200 microsiemens;
- probe with threaded ¾" connection, probe constant K=5;
- with reduction in PVC M/F ½" x ¾";
- complete with transformer 230/5V - 50 Hz and 1,5 m cable;
- for installation on piping at system outlet, or directly on the heads REF. PV400 and REF. PV402.
- ATTENTION: or greatest accuracy it is required that the water be flowing on probe.

| Ref   | Description                                                  | Fam. | Subfa m. | Disp. Stock |  |
|-------|--------------------------------------------------------------|------|----------|-------------|--|
| PV425 | MWG RESILIGHT 1.5 - 200 MICROSIEMENS/CM W/CONDUCTIVITY PROBE | 50   | 242      | OK          |  |

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| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | <b>MWG</b>   | Industrial |



## Valves Accessories

### Test kit for hardness

- Kit for hardness testing with indicator and titrant complete with test tube;
- definition 0,5 °F;
- number of tests 400°F;
- available No 6 blister of indicator 15 ml (REF. AV203) and No 6 blister of titrant 29 ml (REF. AV204).



| Codici | Description                                 | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------|------|---------|-------------|--|
| AV200  | HARDNESS KIT TESTING INDICATOR + TITRANT    | 10   | 66      | OK          |  |
| AV203  | 6 BLISTERS PACK INDICATOR 15 ML             | 10   | 66      | OK          |  |
| AV204  | 6 BLISTERS PACK TITRANT 29ML                | 10   | 66      | OK          |  |
| AV200P | MULTIPACK 10 PCS - 20 ML GRADUATE TEST TUBE | 10   | 66      | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

- Kit for hardness testing with single reagent packaged in blister, with test tube;
- available for definition with French (REF. AV202) or German (REF. AV207) degrees.



| Ref   | Description                                          | Fam. | Subfam. | Disp. Stock |  |
|-------|------------------------------------------------------|------|---------|-------------|--|
| AV202 | HARDNESS KIT TESTING SINGLE REAGENT 2 BLISTER        | 10   | 66      | OK          |  |
| AV207 | HARDNESS KIT TESTING SINGLE REAGENT 2 BLISTER GERMAN | 10   | 66      | OK          |  |

| Ref   | Description                                          | Definition | Number of tests |
|-------|------------------------------------------------------|------------|-----------------|
| AV202 | HARDNESS KIT TESTING SINGLE REAGENT 2 BLISTER        | 1°F        | 700             |
| AV207 | HARDNESS KIT TESTING SINGLE REAGENT 2 BLISTER GERMAN | 1°D        | 600             |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

- Kit for hardness testing with single reagent packaged in blister, with test tube;
- available for definition with French (REF. AV201) or German (REF. AV206) degrees.



| Ref   | Description                                         | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------------------------------|------|---------|-------------|--|
| AV201 | HARDNESS KIT TESTING SINGLE REAGENT 1 BLISTERFRENCH | 10   | 66      | OK          |  |
| AV206 | HARDNESS KIT TESTING SINGLE REAGENT 1 BLISTERGERMAN | 10   | 66      | OK          |  |

| Ref   | Description                                         | Definition | Number of tests |
|-------|-----------------------------------------------------|------------|-----------------|
| AV201 | HARDNESS KIT TESTING SINGLE REAGENT 1 BLISTERFRENCH | 1°F        | 350             |
| AV206 | HARDNESS KIT TESTING SINGLE REAGENT 1 BLISTERGERMAN | 1°D        | 300             |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |



## Valves Accessories

### Total chlorine kit

- Color comparison kit for Chlorine reaction;
- Ideal for water with low content of organics, like drink water.

| Ref   | Description                                     | Fam. | Subfa m. | Disp. Stock |  |
|-------|-------------------------------------------------|------|----------|-------------|--|
| AV205 | CHLORINE TESTING KIT O-TOL 0,1-1,5 PPM P/N 1011 | 10   | 66       | OK          |  |

| Ref   | Range (ppm Cl <sub>2</sub> ) | Test quantity |
|-------|------------------------------|---------------|
| AV205 | 0,10-0,25-0,50-0,75-1,0-2,0  | 75            |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |



### Chlorine DPD kit

- Color comparison kit for Chlorine reaction;
- This kit measures the free chlorine and the total chlorine. The difference is given by the combined chlorine (for water with high total organic carbon);
- IPT kits are ideal for few analyzes with discrete precision.

| Ref   | Description          | Fam. | Subfa m. | Disp. Stock |  |
|-------|----------------------|------|----------|-------------|--|
| AV208 | IPT DPD CHLORINE KIT | 10   | 66       | OK          |  |

| Ref   | Sample | Range (ppm Cl <sub>2</sub> )     | Test quantity |
|-------|--------|----------------------------------|---------------|
| AV208 | 5 ml   | 0,1-0,2-0,3-0,4-0,5-0,75-1,0-1,5 | 150           |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |



### Ammonia kit

- Color comparison kit for Ammonia reaction;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest the HYDROCHECK.

| Ref   | Description                                  | Fam. | Subfa m. | Disp. Stock |  |
|-------|----------------------------------------------|------|----------|-------------|--|
| AV209 | IPT AMMONIA KIT                              | 10   | 66       | NO          |  |
| AV221 | HYDROCHECK INDOPHENOL AMMONIA COLORTTEST KIT | 10   | 66       | NO          |  |

| Ref   | Range (ppm NH <sub>3</sub> )  | Test quantity |
|-------|-------------------------------|---------------|
| AV209 | 0,25-0,50-0,75-1,0- ,0-8,0    | 200           |
| AV221 | 0,0-0,10-0,25-0,5-1,0-2,0-4,0 | 180           |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |





## Valves Accessories

### Iron kit

- Color comparison kit for Iron reaction;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest the HYDROCHECK HIGH.

| Ref   | Description  | Fam. | Subfa m. | Disp. Stock |  |
|-------|--------------|------|----------|-------------|--|
| AV210 | IPT IRON KIT | 10   | 66       | OK          |  |

| Ref   | Sample | Range (ppm Fe)                  | Test quantity |
|-------|--------|---------------------------------|---------------|
| AV210 | 5 ml   | 0,25-0,50-1,0-2,0-5,0-7,5-10-15 | 100           |
| AV210 | 20 ml  | 0,05-0,10-0,15-0,20             | 100           |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |



### Manganese kit

- Color comparison kit for Manganese reaction;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest the HYDROCHECK.

| Ref   | Description                         | Fam. | Subfa m. | Disp. Stock |  |
|-------|-------------------------------------|------|----------|-------------|--|
| AV211 | IPT MANGANESE KIT                   | 10   | 66       | NO          |  |
| AV223 | HYDROCHECK MANGANESE COLORTTEST KIT | 10   | 66       | NO          |  |

| Ref   | Sample | Range (ppm Mn)                     | Test quantity |
|-------|--------|------------------------------------|---------------|
| AV211 | 5 ml   | 0,1-0,2-0,25-0,5-0,75-1,0-1,25-1,5 | 70            |
| AV223 | I      | 0,1-0,2-0,25-0,5-0,75-1,0-1,25-1,5 | 130           |
| AV223 | II     | 0,025-0,050-0,100                  | 130           |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

## Valves Accessories

### Nitrate Kit

- Color comparison kit for Nitrate reaction;
- IPT kits are ideal for few analyzes with discrete precision.

| Ref   | Description      | Fam. | Subfa m. | Disp. Stock |  |
|-------|------------------|------|----------|-------------|--|
| AV212 | IPT NITRATES KIT | 10   | 66       | NO          |  |

| Ref   | Range (ppm NO3)            | Test quantity |
|-------|----------------------------|---------------|
| AV212 | 10-20-40-60-80-100-120-140 | 50            |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |





## Valves Accessories

### Ph kit

- Color comparison kit for pH;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest pH meters.

| Ref   | Description     | Fam. | Subfa m. | Disp. Stock |  |
|-------|-----------------|------|----------|-------------|--|
| AV213 | IPT PH 1-11 KIT | 10   | 66       | OK          |  |

| Ref   | Range (pH)                                  | Test quantity |
|-------|---------------------------------------------|---------------|
| AV213 | 1-2-3-4-5-5,5-6-6,5-7-7,5-8-8,5-9-9,5-10-11 | 200           |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Sulphate kit

- Color comparison kit for Sulphate by turbidimetric method.

| Ref   | Description      | Fam. | Subfa m. | Disp. Stock |  |
|-------|------------------|------|----------|-------------|--|
| AV214 | IPT SULPHATE KIT | 10   | 66       | NO          |  |

| Ref   | Range (p pm SO4)              | Test quantity |
|-------|-------------------------------|---------------|
| AV214 | 50-75-100-150-200-250-300-350 | 70            |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Phosphate kit

- This kit only allows the determination of phosphate ions (orthophosphates);
- Phosphorus compounds can be present in water as orthophosphates, polyphosphates or combined with organic molecules, both in solution and in suspension;
- To determine total phosphorus, you must use the Hydrocheck Total Phosphorus kit;
- IPT kits are ideal when it is necessary to perform a few analyses, with reasonable precision. For more analyses and greater precision, we recommend Hydrocheck.

| Ref.  | Description        | Fam. | Subfa m. | Disp. Stock |  |
|-------|--------------------|------|----------|-------------|--|
| AV227 | IPT PHOSPHATES KIT | 10   | 66       | NO          |  |

| Ref.  | Range (ppm PO4) | Test quantity |
|-------|-----------------|---------------|
| AV227 | 1-2-5-10-15-20  | 100           |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |





## Valves Accessories

### Copper kit

- Color comparison kit for Copper;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest HYDROCHECK.

| Ref.  | Description    | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------|------|---------|-------------|--|
| AV216 | IPT COPPER KIT | 10   | 66      | NO          |  |

| Ref.  | Range (ppm Cu)                                | Test quantity |
|-------|-----------------------------------------------|---------------|
| AV216 | 0,1 - 0,2 - 0,4 - 0,6 - 0,8 - 1,0 - 2,0 - 4,0 | 50            |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Boiler Water Alkalinity Kit

- Methyl orange and phenolphthalein alkalinity analysis kit in equivalents per million (epm), complete with test tube;
- Titration with hydrochloric acid;
- Recommended temperature for analysis is between 20 and 30°C;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest the HYDROCHECK.

| Ref.  | Description                 | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------|------|---------|-------------|--|
| AV217 | IPT BOILER WATER ALCALINITY | 10   | 66      | NO          |  |

| Ref.  | Description                 | Definition | Number of tests |
|-------|-----------------------------|------------|-----------------|
| AV217 | IPT BOILER WATER ALCALINITY | 0,5 epm    | 625 epm         |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              |              | Domestic |

### Residual hardness kit

- Residual hardness traces analysis kit; color comparison between 0 e 3 ppm;
- IPT kits are ideal for few analyzes with discrete precision.

| Ref.  | Description               | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------|------|---------|-------------|--|
| AV228 | IPT RESIDUAL HARDNESS KIT | 10   | 66      | NO          |  |

| Ref.  | Definition (ppm CaCO3) | Number of tests |
|-------|------------------------|-----------------|
| AV228 | 0,25                   | 250             |

| Box: LxPxH | Box: Q.ty | Box: Weight | Pallet: LxPxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors |
|--------------|--------------|---------|
|              |              |         |





## F65 Runxin Residential Down Flow Valves



- Electronic programmable valve, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate Kv = 1,08;
- Backwash flow rate Kv = 0,50;
- Resin volume range = 5 ÷ 40 liters;
- Available in chronometric or volumetric versions;
- With White Injector mounted (Pink, Yellow and Blue Injectors included), European transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (6800 Series)and accessories not included, to order separately;
- If you use a by-pass, you must install a floating valve (our ref. RF09959).

| Ref    | Description                                   | Fam. | Subfa m. | Disp. Stock |  |
|--------|-----------------------------------------------|------|----------|-------------|--|
| RF65B1 | VALV. AUT. SOFT. F65B1 (63502) CHRON. 3/4" DF | 22   | 930      | OK          |  |

| Characteristics:                              |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Tank size                                     | 6" ÷ 10"                                      |
| Connections In/Out                            | Threaded 3/4" female (male optional included) |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male                 |
| Drain line connection                         | Threaded 1/2" male                            |
| Brine line connection                         | Threaded 3/8" BSPT male                       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)                               |
| Distributor tube length above pressure vessel | 0 ± 2 mm                                      |
| Weight (valve + controller)                   | 1,66 kg                                       |
| Operating pressure                            | 1,5 ÷ 6,0 bar                                 |
| Water Temperature                             | 5°C ÷ 50°C                                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Specific Accessories

| Ref     | Description                                         | Fam. | Subfa m. | Disp. Stock |  |
|---------|-----------------------------------------------------|------|----------|-------------|--|
| RF70B   | BYPASS FOR F65 AND F69 VALVES - 41102               | 22   | 940      | OK          |  |
| RF70BL  | BYPASS WITH TURBINE FOR F65 AND F69 VALVES - 41102L | 22   | 940      | OK          |  |
| RF09959 | FLOATING VALVE 35"                                  | 22   | 940      | OK          |  |

### Spare Parts

| Ref     | Description                                  | Fam. | Subfa m. | Disp. Stock |  |
|---------|----------------------------------------------|------|----------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE | 22   | 940      | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET            | 22   | 940      | OK          |  |



## F69 Runxin Residential Up Flow Softening Valves



**RF69C**



**RF69P**

- Electronic programmable valve, suitable for residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration UF;
- Operating flow rate Kv = 1,08;
- Backwash flow rate Kv = 0,5;
- Resin volume range = 5 ÷ 40 liters;
- Available in chronometric or volumetric versions;
- F69C Valve is with Brown Injector mounted;
- F69P Valves are with Pink Injector mounted (Yellow, Blue and White Injectors included);
- European transformer 12/230V - 50Hz, upper screen, n.1 Base
- Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose
- Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (6800 Series) and accessories not included, to order separately.

| Ref     | Description                                      | Fam. | Subfa m. | Disp. Stock |  |
|---------|--------------------------------------------------|------|----------|-------------|--|
| RF69C   | VALV. SEMIAUT. SOFT. F69C (70002) CHRON. 3/4" UF | 22   | 935      | OK          |  |
| RF69P1Y | VALV. AUT. SOFT. F69P1Y (73502PY) CHRON. 3/4" UF | 22   | 930      | OK          |  |
| RF69P3Y | VALV. AUT. SOFT. F69P3Y (74602PY) VOL. 3/4" UF   | 22   | 935      | OK          |  |

| Characteristics:                              |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Tank size                                     | 6" ÷ 10"                                      |
| Connections In/Out                            | Threaded 3/4" female (male optional included) |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male                 |
| Drain line connection                         | Threaded 1/2" male                            |
| Brine line connection                         | Threaded 3/8" BSPT male                       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)                               |
| Distributor tube length above pressure vessel | 0 ± 2 mm                                      |
| Weight (valve + controller)                   | 2,04 kg                                       |
| Operating pressure                            | 1,5 ÷ 6,0 bar                                 |
| Water Temperature                             | 5°C ÷ 50°C                                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Specific accessories

| Ref     | Description                                         | Fam. | Subfa m. | Disp. Stock |  |
|---------|-----------------------------------------------------|------|----------|-------------|--|
| RF70B   | BYPASS FOR F65 AND F69 VALVES - 41102               | 22   | 940      | OK          |  |
| RF70BL  | BYPASS WITH TURBINE FOR F65 AND F69 VALVES - 41102L | 22   | 940      | OK          |  |
| RF09960 | USB PROGRAMMER FOR RF69C VALVES                     | 22   | 940      | OK          |  |

### Spare parts

| Ref     | Description                                  | Fam. | Subfa m. | Disp. Stock |  |
|---------|----------------------------------------------|------|----------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE | 22   | 940      | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET            | 22   | 940      | OK          |  |



## F79B-LCD Runxin Residential Volumetric Valve



- Electronic volumetric programmable valve multilanguage, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF or UF;
- Operating flow rate Kv = 1,14; Backwash flow rate Kv = 0,5;
- Resin volume range = 5 ÷ 40 liters;
- With Pink Injector mounted (Yellow, Blue and White Injectors included), European transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector,
- n.1 Tube Bushing and n.1 red Brine Line Flow Control), Meter and Bypass Adjusting Bolt;
- Others injectors (6800 Series) and accessories not included, to order separately.

| Ref       | Description                                       | Fam. | Subfam. | Disp. Stock |  |
|-----------|---------------------------------------------------|------|---------|-------------|--|
| RF79B-LCD | VALV. AUT. SOFT. F79B-LCD (82602B) VOL. 3/4" DF/U | 22   | 935     | OK          |  |

| Characteristics:                              |                               |
|-----------------------------------------------|-------------------------------|
| Tank size                                     | 6" ÷ 10"                      |
| Connections In/Out                            | Threaded 3/4" male            |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male |
| Drain line connection                         | Threaded 1/2" male            |
| Brine line connection                         | Threaded 3/8" BSPT male       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)               |
| Distributor tube length above pressure vessel | 0 ± 2 mm                      |
| Weight (valve + controller)                   | 2,25 kg                       |
| Operating pressure                            | 1,5 ÷ 6,0 bar                 |
| Water Temperature                             | 5°C ÷ 50°C                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
| 51x63x24   | 4         | 11          | 105x130x255   | 144          | 41,5           |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Specific accessories

| Ref   | Description                  | Fam. | Subfam. | Disp. Stock |  |
|-------|------------------------------|------|---------|-------------|--|
| RF70D | BYPASS FOR F79 VALVE - 41202 | 22   | 940     | OK          |  |

### Spare parts

| Ref     | Description                                                       | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------------------------------|------|---------|-------------|--|
| RF09962 | O-R CONNECTOR 3/4" FOR FLOW METER FOR RF79B-LCD VALVE             | 22   | 940     | OK          |  |
| RF09963 | CONNECTOR 3/4" FLOW METER FOR RF79B-LCD VALVE W/OO-RING - 8458026 | 22   | 940     | OK          |  |
| RF09964 | ELECTRONIC CONTROL BOARD FOR RF79B-LCD VALVE                      | 22   | 940     | OK          |  |
| RF09965 | ELECTRONIC POSITIONING BOARD FOR RF79B-LCD VALVE                  | 22   | 940     | OK          |  |
| RF09966 | ELECTRONIC BOARD FOR DISPLAY RF79B-LCD VALVE                      | 22   | 940     | OK          |  |
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE                      | 22   | 940     | OK          |  |
| RF09968 | TURBINE FLOW METER FOR RF79B-LCD                                  | 22   | 940     | OK          |  |
| RF09969 | SEMI-TRANSPARENT COVER FOR RF79B-LCD VALVE                        | 22   | 940     | OK          |  |
| RF09970 | PIPE CONNECTION 3/4" FOR RF79B-LCD VALVE                          | 22   | 940     | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET                                 | 22   | 940     | OK          |  |



## F63 Runxin Residential Down Flow Softening Valves



- Electronic programmable valve, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF; Resin volume range = 40 ÷ 150 liters;
- Operating flow rate Kv = 3,13; Backwash flow rate Kv = 1,25;
- Available in chronometric or volumetric versions;
- With Green Injector mounted (Purple and White Injectors included), European transformer 12/230V - 50Hz, upper screen,
- n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (6800 Series) and accessories not included, to order separately.

| Ref    | Description                                | Fam. | Subfa m. | Disp. Stock |  |
|--------|--------------------------------------------|------|----------|-------------|--|
| RF63C3 | VALV. AUT. SOFT.F63C3 (63604) VOL. 1" DF   | 22   | 935      | OK          |  |
| RF63D3 | VALV. AUT. SOFT. F63D3 (62604H) VOL. 1" DF | 22   | 935      | OK          |  |

| Characteristics                               |                                             |
|-----------------------------------------------|---------------------------------------------|
| Tank size                                     | 10" ÷ 18"                                   |
| Connections In/Out                            | Threaded 1" female (male optional included) |
| Pressure vessel connection                    | Threaded 2 ½" - 8 NPSM male                 |
| Drain line connection                         | Threaded ½" male                            |
| Brine line connection                         | Threaded ¾" BSPT male                       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)                             |
| Distributor tube length above pressure vessel | 0 ± 2 mm                                    |
| Weight (valve + controller)                   | 2,34 kg                                     |
| Operating pressure                            | 1,5 ÷ 6,0 bar                               |
| Water Temperature                             | 5°C ÷ 50°C                                  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Specific Accessories

| Ref.   | Description                                          | Fam. | Subfa m. | Disp. Stock |  |
|--------|------------------------------------------------------|------|----------|-------------|--|
| RF70A  | BYPASS FOR F63 AND F68 VALVES - 2974001              | 22   | 940      | OK          |  |
| RF70AL | BYPASS WITH TURBINE FOR F63 AND F68 VALVES - 2974013 | 22   | 940      | OK          |  |

### Spare Parts

| Ref.    | Description                                  | Fam. | Subfa m. | Disp. Stock |  |
|---------|----------------------------------------------|------|----------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE | 22   | 940      | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET            | 22   | 940      | OK          |  |



## F68 Runxin Residential Up Flow Valves

- Electronic programmable valve, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration UF;
- Operating flow rate Kv = 3,13;
- Backwash flow rate Kv = 1,25;
- Resin volume range = 18 ÷ 150 liters;
- Available in volumetric version;
- With Yellow Injector mounted (Red, Black and Orange Injectors included), European transformer 12/230V – 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (Series 6800) and accessories not included, to order separately.

| Ref     | Description                               | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------|------|---------|-------------|--|
| RF68C3  | VALV. AUT. SOFT. F68C3 (73604) VOL. 1" UF | 22   | 935     | OK          |  |
| RF68P3Y | VALV. AUT. SOFT. F68P3Y VOL. 1" UF        | 22   | 935     | OK          |  |

| Characteristics                               |                             |
|-----------------------------------------------|-----------------------------|
| Tank size                                     | 10" ÷ 18"                   |
| Connections In/Out                            | Threaded 1" male            |
| Pressure vessel connection                    | Threaded 2 ½" - 8 NPSM male |
| Drain line connection                         | Threaded ½" male            |
| Brine line connection                         | Threaded ¾" BSPT male       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)             |
| Distributor tube length above pressure vessel | 0 ± 2 mm                    |
| Weight (valve + controller)                   | 2,90 kg                     |
| Operating pressure                            | 1,5 ÷ 6,0 bar               |
| Water Temperature                             | 5°C ÷ 50°C                  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Specific Accessories

| Ref    | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------------------|------|---------|-------------|--|
| RF70AL | BYPASS WITH TURBINE FOR F63 AND F68 VALVES - 2974013    | 22   | 940     | OK          |  |
| RF70CL | BYPASS WITH TURBINE FOR F63 F68 F73 F82 VALVES -2974015 | 22   | 940     | OK          |  |

### Spare Parts

| Ref     | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|---------|----------------------------------------------|------|---------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE | 22   | 940     | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET            | 22   | 940     | OK          |  |



## F82B-LCD Runxin Residential Volumetric Valves

- Electronic volumetric programmable valve multilanguage, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF or UF;
- Operating flow rate Kv = 2,33;
- Backwash flow rate Kv = 1,25;
- Resin volume range = 40 ÷ 150 liters;
- With White Injector mounted (Red, Black and Orange Injectors included), European transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control), Meter and Bypass Adjusting Bolt;
- Others injectors (6800 Series) and accessories not included, to order separately

| Ref       | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|-----------|--------------------------------------------------|------|---------|-------------|--|
| RF82B-LCD | VALV. AUT. SOFT. F82B-LCD (82604B) VOL. 1" DF/UF | 22   | 935     | OK          |  |

| Characteristics:                              |                               |
|-----------------------------------------------|-------------------------------|
| Tank size                                     | 10" ÷ 18"                     |
| Connections In/Out                            | Threaded 1" male              |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male |
| Drain line connection                         | Threaded 1/2" male            |
| Brine line connection                         | Threaded 3/8" BSPT male       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)               |
| Distributor tube length above pressure vessel | 0 ± 2 mm                      |
| Weight (valve + controller)                   | 2,72 kg                       |
| Operating pressure                            | 1,5 ÷ 6,0 bar                 |
| Water Temperature                             | 5°C ÷ 50°C                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Accessories

| Ref.   | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------------------|------|---------|-------------|--|
| RF70CL | BYPASS WITH TURBINE FOR F63 F68 F73 F82 VALVES -2974015 | 22   | 940     | OK          |  |

### Spare parts

| Ref     | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|---------|----------------------------------------------|------|---------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE | 22   | 940     | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET            | 22   | 940     | OK          |  |



## Runxin Residential Valves Accessories

- Injectors and Accessories not included in the Runxin Residential Valves, to order separately.

### Specific accessories

| Ref     | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|---------|---------------------------------------------------------|------|---------|-------------|--|
| RF06801 | INJECTOR KIT BROWN FOR RUNXIN VALVES - 6801             | 22   | 940     | OK          |  |
| RF06802 | INJECTOR KIT PINK FOR RUNXIN VALVES - 6802              | 22   | 940     | OK          |  |
| RF06803 | INJECTOR KIT YELLOW FOR RUNXIN VALVES - 6803            | 22   | 940     | OK          |  |
| RF06804 | INJECTOR KIT BLUE FOR RUNXIN VALVES - 6804              | 22   | 940     | OK          |  |
| RF06805 | INJECTOR KIT WHITE FOR RUNXIN VALVES - 6805             | 22   | 940     | OK          |  |
| RF06806 | INJECTOR KIT BLACK FOR RUNXIN VALVES - 6806             | 22   | 940     | OK          |  |
| RF06807 | INJECTOR KIT PURPLE FOR RUNXIN VALVES - 6807            | 22   | 940     | OK          |  |
| RF06808 | INJECTOR KIT RED FOR RUNXIN VALVES - 6808               | 22   | 940     | OK          |  |
| RF06809 | INJECTOR KIT GREEN FOR RUNXIN VALVES - 6809             | 22   | 940     | OK          |  |
| RF06810 | INJECTOR KIT ORANGE FOR RUNXIN VALVES - 6810            | 22   | 940     | OK          |  |
| RF09995 | SERVICE WRENCH FOR RUNXIN VALVES - 8484003              | 22   | 940     | OK          |  |
| RF09998 | SPACER 2.5" M/F W/ O-RING AND WRENCH                    | 22   | 940     | OK          |  |
| RF09997 | SPANNER FOR SPACER RF09998                              | 22   | 940     | OK          |  |
| RF09971 | ENGLISH POWER ADAPTER FOR RF79B-LCD VALVE               | 22   | 940     | OK          |  |
| RF43010 | BRINE WELL DIAM. 60 MM H 396 MM W/FLOATING VALVE        | 45   | 230     | OK          |  |
| RF43011 | BRINE WELL DIAM. 60 MM H 308 MM W/FLOATING VALVE        | 45   | 230     | OK          |  |
| RF43031 | BRINE WELL DIAM. 85,6 MM H 795 MM W/FLOATING VALVE      | 45   | 230     | OK          |  |
| RF09922 | INTERLOCK WIRE FOR RUNXIN VALVES F63(68)C - F63(65-68)P | 22   | 940     | OK          |  |
| RFP07   | 434 STANDARD BRINE VALVE                                | 22   | 940     | OK          |  |
| RFP08   | 454 STANDARD BRINE VALVE                                | 22   | 940     | OK          |  |



## F92A-LED Runxin Residential Up Flow Valve

- Electronic programmable valve, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration UF;
- Operating flow rate Kv = 4,77;
- Backwash flow rate Kv = 1,35;
- Resin volume range = 120 ÷ 300 liters;
- Available in volumetric version;
- With Red Injector mounted (Purple, Green, Yellow and Orange Injectors included), European transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control).

| Ref       | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-----------|----------------------------------------------|------|---------|-------------|--|
| RF92A-LED | VALV. AUT. SOFT. F92A-LED (73605) VOL. 1" UF | 22   | 935     | OK          |  |

| Characteristics                               |                           |
|-----------------------------------------------|---------------------------|
| Tank size                                     | 16" ÷ 24"                 |
| Connections In/Out                            | Threaded 1" male          |
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ½" male          |
| Brine line connection                         | Threaded ¾" BSPT male     |
| Distributor tube O. D. diameter               | 32 mm                     |
| Distributor tube length above pressure vessel | 0 ± 2 mm                  |
| Weight (valve + controller)                   | 2,72 kg                   |
| Operating pressure                            | 1,5 ÷ 6,0 bar             |
| Water Temperature                             | 5°C ÷ 50°C                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Spare parts

| Codici  | Description                                    | Fam. | Subfam. | Disp. Stock |  |
|---------|------------------------------------------------|------|---------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE   | 22   | 940     | OK          |  |
| RF09949 | UPPER SCREEN 32 MM FOR RUNXIN VALVES - 6939003 | 22   | 940     | OK          |  |



## F74 Runxin Industrial Down Flow Valve

- Electronic programmable valve, suitable for automatic and industrial water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate Kv = 6,50;
- Backwash flow rate Kv = 3,57;
- Resin volume range = 120 ÷ 450 liters;
- With Pink Injector mounted (Brown and Blue Injectors included), European transformer 12/230V - 50Hz, upper screen,
- n.1 Base Seal O-ring,
- n.1 Drain Hose Connector,
- n.1 Brine Tube Hose Connector,
- n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (series 7400) and accessories not included, to order separately.

| Ref    | Description                               | Fam. | Subfa m. | Disp. Stock |  |
|--------|-------------------------------------------|------|----------|-------------|--|
| RF74A3 | VALV. AUT. SOFT. F74A3 (63610) VOL. 2" DF | 27   | 965      | OK          |  |

| Characteristics                               |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 21" ÷ 30"               |
| Connections In/Out                            | Threaded 2" male        |
| Pressure vessel connection                    | Threaded 4" - 8 UN male |
| Drain line connection                         | Threaded 1" male        |
| Brine line connection                         | Threaded ½" BSPT male   |
| Distributor tube O. D. diameter               | 50 mm                   |
| Distributor tube length above pressure vessel | 0 ± 2 mm                |
| Weight (valve + controller)                   | 5,88 kg                 |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 2         |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Runxin       | Industrial |

### Spare parts

| Ref     | Description                                           | Fam. | Subfa m. | Disp. Stock |  |
|---------|-------------------------------------------------------|------|----------|-------------|--|
| RF09974 | EUROPEAN POWER ADAPTER FOR VALV. F74-75-88-99-111-135 | 27   | 970      | OK          |  |
| RF09950 | UPPER SCREEN 50 MM FOR RUNXIN VALVES                  | 27   | 970      | OK          |  |



## F99 Runxin Industrial Down Flow Valves

- Electronic programmable valve, suitable for automatic and industrial water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate Kv = 14,4;
- Backwash flow rate Kv = 7,71;
- Resin volume range = 450 ÷ 800 liters;
- With Yellow Injector mounted (Pink Injectors included), European transformer 12/230V - 50Hz, upper screen,
- n.1 Base Seal O-ring,
- n.1 Drain Hose Connector,
- n.1 Brine Tube Hose Connector,
- n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (7700 Series) and accessories not included, to order separately.

| Ref    | Description                               | Fam. | Subfam. | Disp. Stock |  |
|--------|-------------------------------------------|------|---------|-------------|--|
| RF99A3 | VALV. AUT. SOFT. F99A3 (63615) VOL. 2" DF | 27   | 965     | OK          |  |

| Characteristics                               |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 30" ÷ 42"               |
| Connections In/Out                            | Threaded 2" male        |
| Pressure vessel connection                    | Threaded 4" - 8 UN male |
| Drain line connection                         | Threaded 1,5" male      |
| Brine line connection                         | Threaded 3/4" BSPT male |
| Distributor tube O. D. diameter               | 50 mm                   |
| Distributor tube length above pressure vessel | 0 ± 2 mm                |
| Weight (valve + controller)                   | 11,50 kg                |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Runxin       | Industrial |

### Spare parts

| Ref     | Description                                           | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------------------|------|---------|-------------|--|
| RF09974 | EUROPEAN POWER ADAPTER FOR VALV. F74-75-88-99-111-135 | 27   | 970     | OK          |  |
| RF09950 | UPPER SCREEN 50 MM FOR RUNXIN VALVES                  | 27   | 970     | OK          |  |



## F111 Runxin Industrial Down Flow Softening Valves



- Electronic programmable valve, suitable for automatic and industrial water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate Kv = 16,71;
- Backwash flow rate Kv = 18,97;
- Resin volume range = 450 ÷ 800 liters;
- Available in chronometric and volumetric versions;
- With Blue Injector mounted (Yellow and White Injectors included), European transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing and n.1 Brine Line Flow Control);
- Others injectors (7700 Series) and accessories not included, to order separately.

| Ref.    | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|---------|----------------------------------------------|------|---------|-------------|--|
| RF111A1 | VALV. AUT. SOFT. F111A1 (63520) CHRON. 2" DF | 27   | 960     | OK          |  |
| RF111A3 | VALV. AUT. SOFT. F111A3 (63620T) VOL. 2" DF  | 27   | 965     | OK          |  |

| Characteristics                               |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 30" ÷ 48"               |
| Connections In/Out                            | Threaded 2" male        |
| Pressure vessel connection                    | Threaded 4"-8 UN male   |
| Drain line connection                         | Threaded 1,5" male      |
| Brine line connection                         | Threaded 3/4" BSPT male |
| Distributor tube O. D. diameter               | 63 mm                   |
| Distributor tube length above pressure vessel | 0 ± 2 mm                |
| Weight (valve + controller)                   | 11,50 kg                |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Runxin       | Industrial |

### Spare parts

| Ref     | Description                                           | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------------------|------|---------|-------------|--|
| RF09974 | EUROPEAN POWER ADAPTER FOR VALV. F74-75-88-99-111-135 | 27   | 970     | OK          |  |
| RF09951 | UPPER SCREEN 63 MM FOR F111A1/F111A3                  | 27   | 970     | OK          |  |

- **Specific accessories** - Injectors and Accessories not included in the Runxin Industrial Valves, to order separately.

| Ref.    | Description                                     | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------------|------|---------|-------------|--|
| RF07401 | INJECTOR BROWN + DLFC FOR RUNXIN VALVES - 7401  | 27   | 970     | OK          |  |
| RF07402 | INJECTOR PINK + DLFC FOR RUNXIN VALVES - 7402   | 27   | 970     | OK          |  |
| RF07403 | INJECTOR YELLOW + DLFC FOR RUNXIN VALVES - 7403 | 27   | 970     | OK          |  |
| RF07404 | INJECTOR BLUE + DLFC FOR RUNXIN VALVES - 7404   | 27   | 970     | OK          |  |
| RF07701 | INJECTOR BROWN FOR RUNXIN VALVES - 7701         | 27   | 970     | OK          |  |
| RF07702 | INJECTOR PINK FOR RUNXIN VALVES - 7702          | 27   | 970     | OK          |  |
| RF07703 | INJECTOR YELLOW FOR RUNXIN VALVES - 7703        | 27   | 970     | OK          |  |
| RF07704 | INJECTOR BLUE FOR RUNXIN VALVES - 7704          | 27   | 970     | OK          |  |
| RF07705 | INJECTOR WHITE FOR RUNXIN VALVES - 7705         | 27   | 970     | OK          |  |
| RF09995 | SERVICE WRENCH FOR RUNXIN VALVES - 8484003      | 22   | 940     | OK          |  |



## F112 Runxin Industrial Down Flow Softening Valves



- Electronic programmable side-mounted valve, suitable for automatic and industrial water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate Kv = 36,91;
- Backwash flow rate Kv = 18,92;
- Resin volume range = 1500 ÷ 2500 liters;
- Available in volumetric version;
- With yellow7800 series injector mounted (blue Injector included), BLFC 8640 l/h + DLFC 2x7 mounted, BLFC 8520 l/h + DLFC 6x8 included, European transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, support legs;
- n.1 Brine Line Flow Control.

| Ref.    | Description                                              | Fam. | Subfam. | Disp. Stock |  |
|---------|----------------------------------------------------------|------|---------|-------------|--|
| RF112A3 | VALV. AUT. SOFT. F112A3 (63640B) VOL. DN65 SIDE MOUNT DF | 27   | 965     | OK          |  |

| Characteristics             |                       |
|-----------------------------|-----------------------|
| Tank size                   | >63"                  |
| Connections In/Out          | DN65                  |
| Drain line connection       | DN65                  |
| Brine line connection       | Threaded ¾" BSPT male |
| Top / bottom connections    | DN80                  |
| Weight (valve + controller) | 39 kg                 |
| Operating pressure          | 2,0 ÷ 6,0 bar         |
| Water Temperature           | 5°C ÷ 50°C            |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates    | Manufacturer | Sectors    |
|-----------------|--------------|------------|
| DM174-2004 , CE | Runxin       | Industrial |



## F147 Runxin Industrial Up Flow Softening Valves

- Electronic programmable side-mounted valve, suitable for automatic and industrial water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate  $K_v = 37,04$ ;
- Resin volume range =  $800 \div 950$  liters;
- Available in volumetric version;
- With white 7700 series injector mounted, European transformer 12/230V - 50Hz, support legs;
- n.1 Brine Line Flow Control.

| Ref.    | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|---------|---------------------------------------------------------|------|---------|-------------|--|
| RF147D3 | VALV. AUT. SOFT. F147D3 (73630) VOL. DN65 SIDE MOUNT UF | 27   | 965     | OK          |  |

| Characteristics             |                         |
|-----------------------------|-------------------------|
| Tank size                   | From 42" to 48"         |
| Connections In/Out          | DN65                    |
| Drain line connection       | 2"                      |
| Brine line connection       | Threaded 3/4" BSPT male |
| Top / bottom connections    | DN65                    |
| Weight (valve + controller) | 10 kg                   |
| Operating pressure          | 2,0 ÷ 6,0 bar           |
| Water Temperature           | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | Runxin       | Industrial |



## F96 Runxin Industrial Down Flow Softening Valves

- Electronic programmable side-mounted valve, suitable for automatic and industrial water softening systems;
- Valve body in Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate  $K_v = 45,72$ ;
- Resin volume range = 2500 ÷ 3200 liters;
- Available in chronometric and volumetric version;
- With white 7800 series injector mounted (blue Injector and DLFC 6x10.5 included), European transformer – 50Hz, support legs;
- BLFC not provided since injector manages refill flow rate, too.

| Ref.   | Description                                              | Fam. | Subfam. | Disp. Stock |  |
|--------|----------------------------------------------------------|------|---------|-------------|--|
| RF96A1 | VALV. AUT. SOFT. F96A1 (63550) CHRON. DN80 SIDE MOUNT DF | 27   | 965     | OK          |  |
| RF96A3 | VALV. AUT. SOFT. F96A3 (63650) VOL. DN80 SIDE MOUNT DF   | 27   | 965     | OK          |  |

| Characteristics             |                         |
|-----------------------------|-------------------------|
| Tank size                   | 55"- 63"                |
| Connections In/Out          | DN80                    |
| Drain line connection       | DN80                    |
| Brine line connection       | Threaded 3/4" BSPT male |
| Top / bottom connections    | DN100                   |
| Weight (valve + controller) | 42 kg                   |
| Operating pressure          | 2,0 ÷ 6,0 bar           |
| Water Temperature           | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | Runxin       | Industrial |



## F96 Runxin Industrial Filter Valves

- Electronic programmable side-mounted valve, suitable for automatic and industrial water filtering systems;
- Valve body in Noryl plastic material;
- Operating system based on two high design ceramic discs;
- 3-cycle filtration: filtering, backwash, fast rinse;
- Operating flow rate Kv = 44,97;
- Backwash flow rate Kv = 47,5;
- Available in chronometric and volumetric version;
- European transformer - 50Hz, support legs.

| Ref.   | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|--------|--------------------------------------------------------|------|---------|-------------|--|
| RF96B1 | VALV. AUT. FILTER F96B1 (53550) CHRON. DN80 SIDE MOUNT | 27   | 968     | OK          |  |
| RF96B3 | VALV. AUT. FILTER F96B3 (53650) VOL. DN80 SIDE MOUNT   | 27   | 968     | OK          |  |

| Characteristics             |               |
|-----------------------------|---------------|
| Tank size                   | 36"- 48"      |
| Connections In/Out          | DN80          |
| Drain line connection       | DN80          |
| Top / bottom connections    | DN100         |
| Weight (valve + controller) | 42 kg         |
| Operating pressure          | 2,0 ÷ 6,0 bar |
| Water Temperature           | 5°C ÷ 50°C    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | Runxin       | Industrial |





## F67 Runxin Valves for Filtration

- Electronic volumetric programmable valve, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Operating flow rate Kv = 3,19; Backwash flow rate Kv = 3,1;
- With european transformer 12/230V - 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector.

| Ref    | Description                        | Fam. | Subfam. | Disp. Stock |  |
|--------|------------------------------------|------|---------|-------------|--|
| RF67C1 | VALV. AUT. FILTER F67C1 (53504) 1" | 22   | 938     | OK          |  |

| Characteristics:                              |                               |
|-----------------------------------------------|-------------------------------|
| Tank size                                     | 6" ÷ 14"                      |
| Connections In/Out                            | Threaded 1" female            |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male |
| Drain line connection                         | Threaded 1" female            |
| Distributor tube O. D. diameter               | 1.05"                         |
| Distributor tube length above pressure vessel | 0 ± 2 mm                      |
| Weight (valve + controller)                   | 2,25 kg                       |
| Operating pressure                            | 1,5 ÷ 6,0 bar                 |
| Water Temperature                             | 5°C ÷ 50°C                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |





## F75 Runxin Industrial Filter Valve

- Electronic valve, suitable for automatic and industrial water filtering systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Operating flow rate Kv = 8,7;
- Backwash flow rate Kv = 9,8;
- With European transformer 12/230V - 50Hz, upper screen,
- n.1 Base Seal O-ring, n.1 Drain Hose Connector.

| Ref   | Description               | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------|------|---------|-------------|--|
| RF75A | VALV. AUT. FILTER F75A 2" | 27   | 968     | OK          |  |

| Characteristics                               |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 16" ÷ 24"               |
| Connections In/Out                            | Threaded 2" male        |
| Pressure vessel connection                    | Threaded 4" - 8 UN male |
| Drain line connection                         | Threaded 2" male        |
| Distributor tube O. D. diameter               | 50 mm                   |
| Distributor tube length above pressure vessel | 0 ± 2 mm                |
| Weight (valve + controller)                   | 4,4 kg                  |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Runxin       | Industrial |

### Spare parts

| Ref     | Description                                           | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------------------|------|---------|-------------|--|
| RF09974 | EUROPEAN POWER ADAPTER FOR VALV. F74-75-88-99-111-135 | 27   | 970     | OK          |  |
| RF09950 | UPPER SCREEN 50 MM FOR RUNXIN VALVES                  | 27   | 970     | OK          |  |



## F111 Runxin Industrial Down Flow Filter Valves



- Electronic programmable valve, suitable for automatic and industrial water filtration systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- 3 Cycle Filtration- Filtering-Backwash-Fast Rinse;
- Operating flow rate Kv = 16,71;
- Backwash flow rate Kv = 26;
- Available in chronometric versions;
- European transformer 12/230V – 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector included.

| Ref.    | Description                               | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------|------|---------|-------------|--|
| RF111B1 | VALV. AUT. FILTER F111B1 (53520) CRON. 2" | 27   | 968     | OK          |  |

| Characteristics                               |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 30" ÷ 36"               |
| Connections In/Out                            | Threaded 2" male        |
| Pressure vessel connection                    | Threaded 4" - 8 UN male |
| Drain line connection                         | Threaded 2" male        |
| Distributor tube O. D. diameter               | 63 mm                   |
| Distributor tube length above pressure vessel | 0 ± 2 mm                |
| Weight (valve + controller)                   | 11,50 kg                |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates    | Manufacturer | Sectors    |
|-----------------|--------------|------------|
| DM174-2004 , CE | Runxin       | Industrial |

### Spare parts

| Ref     | Description                                           | Fam. | Subfam. | Disp. Stock |  |
|---------|-------------------------------------------------------|------|---------|-------------|--|
| RF09974 | EUROPEAN POWER ADAPTER FOR VALV. F74-75-88-99-111-135 | 27   | 970     | OK          |  |
| RF09951 | UPPER SCREEN 63 MM FOR F111A1/F111A3                  | 27   | 970     | OK          |  |



## F73A Runxin Residential Up Flow Softening Valves on a Duplex Tanks

- Electronic volumetric programmable valve, suitable for automatic and residential water softening systems;
- Valve body in NSF listed Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF or UF;
- Operating flow rate Kv = 2,33;
- Backwash flow rate Kv = 0,88;
- Resin volume range = 45 ÷ 100 liters;
- With Red Injector mounted (Black Injector included), European transformer 12/230V -50Hz, n.2 upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, n.1 Tube Bushing, n.1 Brine Line Flow Control, Meter and Bypass Adjusting Bolt;
- Others injectors (6300 Series) and accessories not included, to order separately.

| Ref   | Description                                                      | Fam. | Subfam. | Disp. Stock |  |
|-------|------------------------------------------------------------------|------|---------|-------------|--|
| RF73A | VALV. AUT. SOFT. F73A (17603) VOL. 1" DF/UF - ONEON DUPLEX TANKS | 27   | 965     | OK          |  |

| Characteristics:                              |                               |
|-----------------------------------------------|-------------------------------|
| Tank size                                     | 10" ÷ 14"                     |
| Connections In/Out                            | Threaded 1" male              |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male |
| Drain line connection                         | Threaded 3/4" male            |
| Brine line connection                         | Threaded 3/8" BSPT male       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)               |
| Distributor tube length above pressure vessel | 0 ± 2 mm                      |
| Weight (valve + controller)                   | 4,75 kg                       |
| Operating pressure                            | 1,5 ÷ 6,0 bar                 |
| Water Temperature                             | 5°C ÷ 50°C                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Runxin       | Domestic |

### Specific accessories

| Ref    | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------------------|------|---------|-------------|--|
| RF70CL | BYPASS WITH TURBINE FOR F63 F68 F73 F82 VALVES -2974015 | 22   | 940     | OK          |  |

### Spare parts

| Ref     | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|---------|----------------------------------------------|------|---------|-------------|--|
| RF09967 | EUROPEAN POWER ADAPTER FOR RUNXIN RES. VALVE | 22   | 940     | OK          |  |
| RFP9999 | RUNXIN UPPER SCREEN 1.05" BAJONET            | 22   | 940     | OK          |  |



## F137 Runxin Industrial Softening Valves on Duplex Tanks

- Electronic volumetric programmable valve, suitable for automatic and industrial water twin alternating softening systems (1 valve body for 2 tanks);
- Valve body in NSF listed Noryl plastic material;
- Operating system based on high design ceramic discs;
- Regeneration DF;
- Operating flow rate  $K_v = 6,27$  (with Master valve in service position and Slave valve in stand-by position);
- Operating flow rate  $K_v = 4,85$  (with Master valve in stand-by position and Slave valve in service position);
- Resin volume range =  $120 \div 300$  liters;
- With yellow injector mounted (pink injector included), European transformer 12/230V -50Hz, n.2 upper screens, n.2 lower diffuser, n.2 Base Seal O-rings, n.1 mounted brine line flow control (+1 extra), n. 1 meter;
- DLFC is not supplied because the injector manages backwash flow rate restriction.

| Ref   | Description                                        | Fam. | Subfam. | Disp. Stock |  |
|-------|----------------------------------------------------|------|---------|-------------|--|
| RF137 | VALV. AUT. SOFT. F137 (17606T) VOL. 1" DF - DUPLEX | 27   | 965     | OK          |  |

| Characteristics:                              |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 16" ÷ 24"               |
| Connections In/Out                            | Threaded 1" male        |
| Pressure vessel connection                    | Threaded 4" - 8 UN male |
| Drain line connection                         | Threaded 3/4" male      |
| Brine line connection                         | Threaded 1/2" male      |
| Distributor tube O. D. diameter               | 32 mm                   |
| Distributor tube length above pressure vessel | 0 ± 4 mm                |
| Weight (valve + controller)                   | 12 kg                   |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates    | Manufacturer | Sectors    |
|-----------------|--------------|------------|
| DM174-2004 , CE | Runxin       | Industrial |



## F135A Runxin Industrial Softening Valves on Duplex Tanks



- Electronic volumetric programmable valve, suitable for automatic and industrial water twin alternating softening systems (1 valve body for 2 tanks);
- Valve body in Noryl plastic material;
- Operating system based on high design ceramic discs;
- Regeneration DF;
- Operating flow rate  $K_v = 9,02$  (with Master valve in service position and Slave valve in stand-by position);
- Operating flow rate  $K_v = 7,51$  (with Master valve in stand-by position and Slave valve in service position);
- Resin volume range =  $120 \div 450$  liters;
- With blue injector mounted (yellow injector+DLFC 8468009 included), European transformer 12/230V -50Hz, n.2 Base Seal O-rings, n. 1 meter and tanks interconnections kit;
- BLFC is not supplied because the injector manages refill flow rate restriction, too.

| Ref    | Description                                           | Fam. | Subfam. | Disp. Stock |  |
|--------|-------------------------------------------------------|------|---------|-------------|--|
| RF135A | VALV. AUT. SOFT. F135A (17610T) VOL. 1.5" DF - DUPLEX | 27   | 965     | OK          |  |

| Characteristics:                              |                         |
|-----------------------------------------------|-------------------------|
| Tank size                                     | 16" ÷ 24"               |
| Connections In/Out                            | Threaded 1.5" male      |
| Pressure vessel connection                    | Threaded 4" - 8 UN male |
| Drain line connection                         | Threaded 3/4" male      |
| Brine line connection                         | Threaded 1/2" male      |
| Distributor tube O. D. diameter               | 50 mm                   |
| Distributor tube length above pressure vessel | 0 ± 4 mm                |
| Weight (valve + controller)                   | 17 kg                   |
| Operating pressure                            | 2,0 ÷ 6,0 bar           |
| Water Temperature                             | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | Runxin       | Industrial |



## F88A Runxin Industrial Down Flow Softening Valves



- Electronic programmable side-mounted valve, suitable for automatic and industrial water softening systems, twin alternating tanks;
- Valve body in Noryl plastic material;
- Operating system based on two high design ceramic discs;
- Regeneration DF;
- Operating flow rate  $K_v = 6,5$ ;
- Backwash flow rate  $K_v = 4,24$ ;
- Resin volume range = 200 ÷ 450 liters;
- Available in volumetric version;
- With yellow7800 series injector mounted (pink Injector included), European transformer 12/230V - 50Hz, support legs;
- Brine Line Flow Control not supplied because injector manages refill flow rate, too.

| Ref.  | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|-------|---------------------------------------------------------|------|---------|-------------|--|
| RF88A | VALV. AUT. SOFT. F88A (17610) VOL. 1.5" MONT.LAT.DUPLEX | 27   | 965     | OK          |  |

| Characteristics             |                         |
|-----------------------------|-------------------------|
| Tank size                   | 21" - 30"               |
| Connections In/Out          | 1.5" male               |
| Drain line connection       | 1" male                 |
| Brine line connection       | Threaded 1/2" BSPT male |
| Top / bottom connections    | 1.5" male               |
| Weight (valve + controller) | 17 kg                   |
| Operating pressure          | 2,0 ÷ 6,0 bar           |
| Water Temperature           | 5°C ÷ 50°C              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | Runxin       | Industrial |



## Runxin F138C Downflow Valve for Swimming Pool Filtration



- Programmable electronic valve designed for automatic swimming pool water filtration systems;
- Valve body made of Noryl plastic material;
- Operating principle based on two ultra-high precision ceramic discs;
- 6-cycle operation: 1 - Service, 2 - Backwash, 3 - Rinse, 4 - Drain, 5 - Recirculation, 6 - Shut-off;
- Service flow rate: Kv = 12.3; Backwash flow rate: Kv = 15.8 with 1.72 bar pressure loss;
- Filter cleaning can be activated manually in timer mode or via pressure sensor;
- Supplied complete with 12/230V - 50Hz power adapter, tank connections, and pressure sensor;
- System can receive external signals → remote start command;
- Dry contact for pump control;
- Additional contact for solenoid valve control;
- Accessories (e.g. under-valve strainer, etc.) not included.

| Codice | Descrizione                                            | Fam. | Sotto Fam. | Disp. Stock |  |
|--------|--------------------------------------------------------|------|------------|-------------|--|
| RF138C | VALV. AUT. FILTER F138C SWIMMING POOL (53512C) 12 M3/H | 27   | 968        | OK          |  |

| Caratteristiche:                  |                      |
|-----------------------------------|----------------------|
| Compatible tank diameter range    | 410 - 534 mm         |
| Tank inlet and outlet connections | D.50 mm solvent weld |
| Pump inlet connection             | D.50 mm solvent weld |
| Drain line connection             | D.50 mm solvent weld |
| Modbus connection                 | RJ-485               |
| Weight (valve + controller)       | 4,50 kg              |
| Operating pressure                | Max 2,5 bar          |
| Water temperature                 | 5°C ÷ 50°C           |
| Ambient temperature               | 5°C ÷ 50°C           |
| Relative humidity at 25°C         | < 95%                |
| Turbidity                         | < 20 NTU             |

| Box: LxPxH | Box: Q.tà | Box: Peso | Pallet: LxPxH | Pallet: Q.tà | Pallet: Peso |
|------------|-----------|-----------|---------------|--------------|--------------|
|            |           |           |               |              |              |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| CE           | Runxin       | Commercial |



## Runxin Manual Softening Valves



- Multi-way valves having five functions: service, backwash, brine, fast rinse and refill;
- Fits threaded tanks 2,5" - 8NPSM;
- IN/OUT connections 3/4" BSPP female;
- Drain line connection 1/2" BSPP female;
- Brine line connection 3/8" BSPT male;
- Riser tube diameter 1,05" (26,7 mm);
- Max suggested flow 1,5 m3/h (only valve) @  $\Delta p = 1,75$  bar;
- Operating flow rate  $K_v = 1,09$ ;
- Backwash flow rate  $K_v = 0,55$ ;
- Max operating pressure 6 bar @ 20°C;
- Max operating temperature 50°C;
- Upper screen included.

| Ref    | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|--------|---------------------------------------------------------|------|---------|-------------|--|
| RF64B  | VALV. MANUAL SOFT. F64B (61202) 3/4" DF                 | 22   | 950     | OK          |  |
| RF64BC | VALV. MANUAL SOFT. F64BC (61202C) 3/4" DF - SIDECONTROL | 22   | 950     | OK          |  |

| Ref    | Description                                             | Mounting |
|--------|---------------------------------------------------------|----------|
| RF64B  | VALV. MANUAL SOFT. F64B (61202) 3/4" DF                 | Vertical |
| RF64BC | VALV. MANUAL SOFT. F64BC (61202C) 3/4" DF - SIDECONTROL | Side     |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
|              | Runxin       | Domestic |



## Runxin Manual Filter Valves



### Max 4 m³/h Multi-way Manual Valve

- Multi-way valve having three functions: filtration, backwash, rinse;
- Fits threaded tanks 2 ½" – 8NPSM;
- IN/OUT connections and drain 1" BSPP female;
- Riser tube diameter 1,05" (26,7 mm);
- Max suggested flow 4 m³/h (only valve);
- Max operating pressure 6 bar @ 20°C;
- Max operating temperature 50°C;
- Upper screen included (RFP9999);
- **ATTENTION:** this multi-way valve is prohibited to change working position with pressure; make sure to shut down pump or close feed valve before rotating the handle to other working position.

| Ref   | Description                                                       | Fam. | Subfam. | Disp. Stock |  |
|-------|-------------------------------------------------------------------|------|---------|-------------|--|
| PV410 | MULTI-WAY MANUAL VALVE 2.5" IN/OUT AND DRAIN W/UPPER SCREEN 1.05" | 50   | 240     | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
|              | Runxin       | Industrial |



### Max 10 m³/h Multi-way Manual Valves

- Multi-way valve having three functions: filtration, backwash, rinse;
- Fits threaded tanks 4" – 8UN;
- IN/OUT connections 2" BSPP female;
- Drain line connection 1,5" BSPP female;
- Riser tube diameter 50 mm;
- Max suggested flow 10 m³/h (only valve) @  $\Delta p = 1,75$  bar;
- Operating flow rate  $K_v = 8,2$ ;
- Backwash flow rate  $K_v = 8$ ;
- Max operating pressure 6 bar @ 20°C;
- Max operating temperature 50°C;
- Upper screen included(RF09950);
- **ATTENTION:** this multi-way valve is prohibited to change working position with pressure; make sure to shut down pump or close feed valve before rotating the handle to other working position.

| Ref    | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|--------|--------------------------------------------------------|------|---------|-------------|--|
| RF56D1 | VALV. MANUAL FILTER F56D1 (51110) 2"F - METAL HANDLE   | 22   | 980     | OK          |  |
| RF56D2 | VALV. MANUAL FILTER F56D2 (51210) 2"F - PLASTIC HANDLE | 22   | 980     | OK          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
|              | Runxin       | Industrial |



## Fleck Residential Valves Series 4600



- Made in European Union (Italy)
- The 4600 control valve is suitable for residential softening applications, fully adjustable, for efficient and reliable water treatment.
- Designed with a double backwash for less loss of hardness.
- Valve body in brass.
- It is a single piston valve, with a protective cover against atmospheric agents resistant to water, corrosion and UV rays.
- Down Flow regeneration
- Operating Flow Rate = 4.5 m³/h (20 gpm)
- Backwash Flow Rate 1.6 m³/h (7 gpm)
- Regeneration:
  - Timeclock: 7 or 12 days
  - Meter: delayed or immediate
  - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 1.05" twist lock upper screen.
- OPTIONS: Mechanical controllers for simplex; Hot Water - only mechanical 65 ° C meter / 82 ° C timeclock

| Ref.        | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|-------------|---------------------------------------------------------|------|---------|-------------|--|
| FV460MC-601 | FLECK VALV. 4600/1600 12 DAYS 1-1,5-0,25 HW             | 23   | 505     | OK          |  |
| FV460MR-601 | FLECK VALV. 4600/1600 3/4" ECOBYPASS 8 M3 1-1,5-0,25 HW | 23   | 505     | NO          |  |
| FV460SC-600 | FLECK VALV. 4600/1600 SXT 0-1,2-0,25 HW                 | 23   | 505     | OK          |  |

| Characteristics                 |                             |
|---------------------------------|-----------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 12" |
| In/Out Connections              | Threaded ¾" or 1" BSP       |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male   |
| Drain line connection           | Threaded ½" NPT or BSP      |
| Brine line connection (1600)    | Threaded ¾"                 |
| Distributor tube O. D. diameter | 1,05" (=27 mm)              |
| Operating pressure              | 1,4 ÷ 8,5 bar               |
| Water Temperature               | 1 ÷ 40 °C                   |
| Protection class                | IP22                        |
| Height (from top of tank)       | 180 mm                      |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Pentair      | Domestic |

### Accessories

| Ref         | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------------|------|---------|-------------|--|
| FVA13398-10 | 1" BSP F BRASS YOKE FOR 5800, 9000 AND 9100 VALVE      | 23   | 590     | OK          |  |
| FVA18706-10 | 1" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | OK          |  |
| FVA24689    | 3/4" BSP M BRASS YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | NO          |  |
| FVA18706-12 | 3/4" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES | 23   | 590     | OK          |  |



## Signature Fleck Residential Valves Kit Series 5600



- Made in European Union (Italy).
- Each 48 piece kit includes 48 pieces of Fleck Valves 5600;
- Each 12 piece kit includes 12 pieces of Fleck Valves 5600;
- The 5600 is high performance control valve, ideal for residential softening applications with multiple options (also filter). The valve body in in fiber-reinforced material is UV rays resistant and no subject to corrosion. The valve is easily programmable and very intuitive. Modular design simplifies the disassembly and the maintenance.
- The 5600 valve has a mechanical timer: the 5600SXT valve is an electronic valve: they share the same valve body (5600), but it is different for the cover and the electronic components.
- Down Flow regeneration.
- Valve body in Noryl plastic material = polyphenylene oxide (PPO).
- Operating Flow Rate = 4.5 m³/h (20 gpm)
- Backwash Flow rate = 1.6 m³/h (7 gpm)
- Regeneration:
  - Chronometric: 7 or 12 days
  - Volumetric: delayed or immediate
  - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 1.05" twist lock upper screen.
- OPTIONS: SXT electronics.
- Each 48 piece kit includes 48 pieces of each following items: Bypass, Air Check 500, SBV 2310, Distributor Assy 1" HF, Yoke;
- Each 12 piece kit includes 12 pieces of each following items: Bypass, Air Check 500, SBV 2310, Distributor Assy 1" HF, Yoke.

NOTE: these products are not available in stock.

| Ref.            | Description                                          | Fam. | Subfam. | Disp. Stock |  |
|-----------------|------------------------------------------------------|------|---------|-------------|--|
| SIG560MC-001    | VALVE 5600 1600 7 DAYS LWU 3/4" YOKE KIT 15L (48PCS) | 23   | 500     | NO          |  |
| SIG560MR-002    | VALVE 5600 1600 ECO, KIT 15L (48PCS)                 | 23   | 500     | NO          |  |
| SIG560MR-003    | VALVE 5600 1600 ECO, KIT 20L (48PCS)                 | 23   | 500     | NO          |  |
| SIG560MR-005    | VALVE 5600 1600 ECO, INOX BP, KIT 15L (48PCS)        | 23   | 500     | NO          |  |
| SIG560MR-006    | VALVE 5600 1600 ECO, INOX BP, KIT 20L (48PCS)        | 23   | 500     | NO          |  |
| SIG560MR-007    | VALVE 5600 1600 ECO LWU INOX BP, KIT 15L (48PCS)     | 23   | 500     | NO          |  |
| SIG560SC-001    | VALVE 5600 SXT 1600, 3/4" YOKE KIT 15L (48PCS)       | 23   | 500     | NO          |  |
| SIG560SR-002    | VALVE 5600 SXT 1600 ECO, KIT 15L (48PCS)             | 23   | 500     | NO          |  |
| SIG560SR-003    | VALVE 5600 SXT 1600 ECO, KIT 20L (48PCS)             | 23   | 500     | NO          |  |
| SIG560SR-005    | VALVE 5600 SXT 1600 ECO, INOX BP, KIT 15L (48PCS)    | 23   | 500     | OK          |  |
| SIG560SR-006    | VALVE 5600 SXT 1600 ECO, INOX BP, KIT 20L (48PCS)    | 23   | 500     | NO          |  |
| SIG560MR-003-12 | VALVE 5600 1600 ECO, KIT 20L (12 PCS)                | 23   | 500     | NO          |  |
| SIG560SR-003-12 | VALVE 5600 SXT 1600 ECO, KIT 20L (12 PCS)            | 23   | 500     | NO          |  |
| SIG560SR-005-12 | VALVE 5600 SXT 1600 ECO, INOX BP, KIT 15L (12 PCS)   | 23   | 500     | NO          |  |
| SIG560SR-006-12 | VALVE 5600 SXT 1600 ECO, INOX BP, KIT 20L (12 PCS)   | 23   | 500     | NO          |  |

| Characteristics                 |                                     |
|---------------------------------|-------------------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 12"         |
| In/Out Connections              | Threaded 3/4" or 1" BSP             |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male           |
| Drain line connection           | Threaded 1/2" NPT or BSP            |
| Brine line connection (1600)    | Threaded 3/8"                       |
| Distributor tube O. D. diameter | 1,05" (=27 mm)                      |
| Operating pressure              | 1,4 ÷ 8,5 bar                       |
| Water Temperature               | 1 ÷ 40 °C                           |
| Protection class                | IP22                                |
| Height (from top of tank)       | 180 mm (200 mm with programmer SXT) |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Pentair      | Domestic |



## Signature Fleck Residential Valves Kit Series 5600



- Made in European Union (Italy).
- The kit includes 48 electronic Fleck Valves 5600SXT;
- The 5600 is high performance control valve, ideal for residential softening applications.
- The valve body in fiber-reinforced material is UV rays resistant and no subject to corrosion. The valve is easily programmable and very intuitive. Modular design simplifies the disassembly and the maintenance.
- Down Flow regeneration.
- Valve body in Noryl plastic material = polyphenylene oxide (PPO).
- Operating Flow Rate = 4.5 m³/h (20 gpm)
- Backwash Flow rate = 1.6 m³/h (7 gpm)
- Regeneration Volumetric: delayed or immediate.
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 1.05" twist lock upper screen.

NOTE: these products are not available in stock.

| Ref.         | Description                                                         | Fam. | Subfam. | Disp. Stock |  |
|--------------|---------------------------------------------------------------------|------|---------|-------------|--|
| PAL560SR-001 | VALVE 5600-1600 SXT 3/4" TURB 0-1,5-0,25 (48 PCS VALV. V560SR-511S) | 23   | 500     | NO          |  |

| Characteristics                 |                             |
|---------------------------------|-----------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 12" |
| In/Out Connections              | Threaded 3/4" or 1" BSP     |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male   |
| Drain line connection           | Threaded 1/2" NPT or BSP    |
| Brine line connection (1600)    | Threaded 3/8"               |
| Distributor tube O. D. diameter | 1,05" (=27 mm)              |
| Operating pressure              | 1,4 ÷ 8,5 bar               |
| Water Temperature               | 1 ÷ 40 °C                   |
| Protection class                | IP22                        |
| Height (from top of tank)       | 200 mm                      |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Pentair      | Domestic |



## Fleck Residential Valves Series 5600



- Made in European Union (Italy)
- The 5600 is high performance control valve, ideal for residential softening applications with multiple options (also filter). The valve body in in fiber-reinforced material is UV rays resistant and no subject to corrosion. The valve is easily programmable and very intuitive. Modular design simplifies the disassembly and the maintenance.
- The 5600 valve has a mechanical timer: the 5600SXT valve is an electronic valve: they share the same valve body (5600), but it is different for the cover and the electronic components.
- Down Flow regeneration.
- Valve body in Noryl plastic material = polyphenylene oxide (PPO).
- Operating Flow Rate = 4.5 m³/h (20 gpm)
- Backwash Flow rate = 1.6 m³/h (7 gpm)
- Regeneration:
  - Chronometric: 7 or 12 days
  - Volumetric: delayed or immediate
  - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 1.05" twist lock upper screen.
- OPTIONS: SXT electronics.

| Ref.        | Description                                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-----------------------------------------------------|------|---------|-------------|--|
| FV560MC-601 | FLECK VALV. 5600/1600 12 DAYS 1-1,5-0,25            | 23   | 500     | NO          |  |
| FV560MR-601 | FLECK VALV. 5600/1600 3/4" METER 8 M3 1-1,5-0,25    | 23   | 500     | NO          |  |
| FV560MR-603 | FLECK VALV. 5600/1600 3/4" METER 8 M3 0-1,2-0,25LWU | 23   | 500     | NO          |  |
| FV560SC-601 | FLECK VALV. 5600/1600 SXT 1-1,5-0,25                | 23   | 500     | NO          |  |
| FV560SR-600 | FLECK VALV. 5600/1600 SXT 3/4" TURBINE 0-1,2-0,25   | 23   | 500     | NO          |  |
| FV560SR-601 | FLECK VALV. 5600/1600 SXT 3/4" TURBINE 1-1,5-0,25   | 23   | 500     | OK          |  |
| FV560SR-602 | FLECK VALV. 5600/1600 SXT 3/4" TURBINE 2-3,5-0,5    | 23   | 500     | NO          |  |
| FV560SR-603 | FLECK VALV. 5600/1600 SXT 3/4" TURBINE 1-2,4-0,25   | 23   | 500     | NO          |  |

| Characteristics                 |                                     |
|---------------------------------|-------------------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 12"         |
| In/Out Connections              | Threaded 3/4" or 1" BSP             |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male           |
| Drain line connection           | Threaded 1/2" NPT or BSP            |
| Brine line connection (1600)    | Threaded 3/8"                       |
| Distributor tube O. D. diameter | 1,05" (=27 mm)                      |
| Operating pressure              | 1,4 ÷ 8,5 bar                       |
| Water Temperature               | 1 ÷ 40 °C                           |
| Protection class                | IP22                                |
| Height (from top of tank)       | 180 mm (200 mm with programmer SXT) |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 6         |             |               |              |                |

| Certificates  | Manufacturer | Sectors  |
|---------------|--------------|----------|
| DM174-2004 CE | Pentair      | Domestic |



## Fleck Residential Valves Series 5600

### Accessories and Spare Parts

| Ref         | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------------|------|---------|-------------|--|
| FVA13398-10 | 1" BSP F BRASS YOKE FOR 5800, 9000 AND 9100 VALVE      | 23   | 590     | OK          |  |
| FVA18706-10 | 1" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | OK          |  |
| FVA24689    | 3/4" BSP M BRASS YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | NO          |  |
| FVA18706-12 | 3/4" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES | 23   | 590     | OK          |  |
| FVA10218    | MICROSWITCH (SINGLE)                                   | 23   | 585     | OK          |  |
| FVA24114    | BRINE VALVE 1600 ASSEMBLY RESID.                       | 23   | 590     | OK          |  |
| FVR12767    | SCREEN BRINE LINE                                      | 23   | 585     | OK          |  |
| FVR13305-01 | O-RING 560 CD ADAPT COUPLING                           | 23   | 585     | OK          |  |
| FVR22359    | HOSE BARB STRAIGHT HOT WATER                           | 23   | 585     | OK          |  |
| FVR24115    | S&S KIT RESID                                          | 23   | 585     | OK          |  |
| FVR42933-10 | MAIN DRIVE GEAR 5600SE-6600-6700                       | 23   | 585     | NO          |  |
| FVRKIT51    | KIT ACCESSORIES 1600 WITH BV44/AC500                   | 23   | 585     | OK          |  |



## Fleck Residential Valves Series 5800

- Made in European Union (Italy)
- The 5800 control valve is suitable for residential/commercial filter/softening applications. The valve body in fiber-reinforced material is UV rays resistant and no subject to corrosion.
- 5800 represents a great step forward in the Fleck product range: the valve platform
- is made of one hydraulic valve and different controllers, allowing various options, eliminating the need to stock a variety of control valves for filter or softener applications. 5800 features an improved flow, easy servicing (one-piece seal and spacer cartridge for quick and easy replacement) and a quick set-up.
- Cartridge with seal and spacer, reduced list of spare parts and snap assembly.
- LCD - backlit display that helps in the presence of poor lighting conditions.
- Down/Up Flow regeneration, according to the models.
- Valve body in Noryl plastic material = polyphenylene oxide (PPO).
- **Operating Flow Rate** = 4.7 m³/h (21gpm) **Backwash Flow rate** = 3.8 m³/h (16 gpm)
- Regeneration: - **Chronometric**: 7 or 12 days - **Volumetric**: delayed or immediate - Electronics
- Complete with 1.05" twist lock upper screen. In 24 V with international adapter 230 VAC - 12 VDC 50/60 Hz.
- **NOTE**: Not use silicone lubricants. **OPTIONS**: Electronic LXT - SXT - XTR

| Ref         | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|-------------|---------------------------------------------------------|------|---------|-------------|--|
| FV580LC-001 | FLECK VALV. 5800/1600 LXT DF 000-1,5-0,125              | 23   | 510     | NO          |  |
| FV580SR-001 | FLECK VALV. 5800/1600 SXT DF 3/4" TURBINE 1-1,5-0,25    | 23   | 510     | OK          |  |
| FV580SR-002 | FLECK VALV. 5800/1600 SXT DF 3/4" TURBINE 0-1,2-0,25    | 23   | 510     | NO          |  |
| FV580SR-003 | FLECK VALV. 5800/1600 SXT UF 3/4" TURBINE 00-1,2-0,125  | 23   | 510     | NO          |  |
| FV580XC-001 | FLECK VALV. 5800/1600 XTR DF 1-1,5-0,25                 | 23   | 510     | NO          |  |
| FV580XR-001 | FLECK VALV. 5800-1600 XTR DF 3/4" TURBINE 1-1,5-0,25    | 23   | 510     | NO          |  |
| FV580XR-002 | FLECK VALV. 5800/1600 XTR UF 3/4" TURBINE 00-1,2-0,25   | 23   | 510     | OK          |  |
| FV580XR-006 | FLECK VALV. 5800/1600 XTR UF 3/4" PADDLE 00-1,2-0,25 DW | 23   | 510     | NO          |  |

| Characteristics                 |                                               |
|---------------------------------|-----------------------------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 16" Filter = 8" ÷ 16" |
| In/Out Connections              | Threaded ¾ or 1" BSP to order separately      |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male                     |
| Drain line connection           | Threaded ½" NPT                               |
| Brine line connection (1600)    | Threaded ¾"                                   |
| Distributor tube O. D. diameter | 1,05" (=27 mm)                                |
| Operating pressure              | 1,4 ÷ 8,5 bar                                 |
| Water Temperature               | 1 ÷ 40 °C                                     |
| Protection class                | IP22                                          |
| Height (from top of tank)       | 228 mm                                        |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               |              |                |

| Certificates   | Manufacturer | Sectors  |
|----------------|--------------|----------|
| DM174-2004, CE | Pentair      | Domestic |



## Fleck Residential Valves Series 5800

### Accessories

| Ref         | Description                                                | Fam. | Subfam. | Disp. Stock |  |
|-------------|------------------------------------------------------------|------|---------|-------------|--|
| FVA13398-10 | 1" BSP F BRASS YOKE FOR 5800, 9000 AND 9100 VALVE          | 23   | 590     | OK          |  |
| FVA18706-10 | 1" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES       | 23   | 590     | OK          |  |
| FVA24689    | 3/4" BSP M BRASS YOKE FOR 5800, 9000 AND 9100 VALVES       | 23   | 590     | NO          |  |
| FVA18706-12 | 3/4" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES     | 23   | 590     | OK          |  |
| FVAP80      | P80 EMULSION TEMPORARY RUBBER ASSEMBLY LUBRICANT10 ML TUBE | 23   | 590     | NO          |  |



## Fleck Commercial Valves Series Twin 9000



- Made in European Union (Italy)
- The 9000 is a brass valve with a fully adjustable 5-cycle control for efficient and reliable water treatment for commercial softening applications, suitable for alternating duplex systems.
- It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.
- Valve body in brass, which permit to adapt the hot water option up to 65°C.
- Down Flow regeneration
- Operating Flow Rate = 4 m<sup>3</sup>/h (17 gpm)
- Backwash Flow Rate = 1.9 m<sup>3</sup>/h (8 gpm)
- Regeneration:
  - - Volumetric: delayed or immediate
  - - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 1.05" twist lock upper screen.
- NOTE: Accessories for the connection of the second tank are not included, to order separately. Upper diffusers included, for both pressure tanks.
- OPTIONS: Electronic SXT - ET; Hot water 65 ° C

| Ref.        | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------|------|---------|-------------|--|
| FV900SI-601 | FLECK VALV. 9000/1600 SXT 3/4" METER 1-1,5-0,25  | 23   | 515     | NO          |  |
| FV900SI-602 | FLECK VALV. 9000/1600 SXT 3/4" METER 1-2,4-0,5   | 23   | 515     | OK          |  |
| FV900SI-604 | FLECK VALV. 9000/1600 SXT 1" METER 2-2,4-0,5     | 23   | 515     | NO          |  |
| FV900SI-606 | FLECK VALV. 9000/1600 SXT 3/4" METER 2-4-1       | 23   | 515     | NO          |  |
| FV900SI-607 | FLECK VALV. 9000/1600 SXT 3/4" METER 3-5-1       | 23   | 515     | NO          |  |
| FV900SI-608 | FLECK VALV. 9000/1600 SXT 3/4" METER 3-7-1       | 23   | 515     | NO          |  |
| FV900MI-600 | FLECK VALV. 9000/1600 3/4" METER 8 M3 1-1,5-0,25 | 23   | 515     | NO          |  |
| FV900MI-605 | FLECK VALV. 9000/1600 3/4" METER 40 M3 3-5-1     | 23   | 515     | NO          |  |
| FV900MI-606 | FLECK VALV. 9000/1600 1" METER 100 M3 3-5-1      | 23   | 515     | NO          |  |



## Fleck Commercial Valves Series Twin 9000

### Accessories

| Ref         | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------------|------|---------|-------------|--|
| FVA18122    | 9000 KIT FLEXIBLE 2ND TANK ADAPTER - 200 MM            | 23   | 590     | NO          |  |
| FVA18123    | 9000 KIT FLEXIBLE 2ND TANK ADAPTER - 400 MM            | 23   | 590     | NO          |  |
| FVA18124    | 9000 KIT FLEXIBLE 2ND TANK ADAPTER - 500 MM            | 23   | 590     | NO          |  |
| FVA13398-10 | 1" BSP F BRASS YOKE FOR 5800, 9000 AND 9100 VALVE      | 23   | 590     | OK          |  |
| FVA18706-10 | 1" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | OK          |  |
| FVA24689    | 3/4" BSP M BRASS YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | NO          |  |
| FVA18706-12 | 3/4" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES | 23   | 590     | OK          |  |

| Characteristics                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| Tank size (recommended):         | Softening System = 6" ÷ 16"                                                                   |
| Connections di Ingresso / Uscita | Threaded 3/4" or 1" BSP to be ordered separately in quantities depending on the installation. |
| Pressure vessel connection       | Threaded 2,5" - 8 UN male                                                                     |
| Drain line connection            | Threaded 1/2" or 1" NPT                                                                       |
| Brine line connection (1600)     | Threaded 3/8"                                                                                 |
| Distributor tube O. D. diameter  | 1,05" (=27 mm)                                                                                |
| Operating pressure               | 1,8 ÷ 8,5 bar                                                                                 |
| Water Temperature                | 1 ÷ 40 °C                                                                                     |
| Protection class                 | IP22                                                                                          |
| Height (from top of tank)        | 165 mm                                                                                        |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Commercial |



## Fleck Commercial Valves Series Twin 9100



- Made in European Union (Italy)
- The 9100 is a valve in Noryl plastic material, non-corrosive and UV-resistant, for an efficient water treatment and suitable for commercial softening applications, designed for alternating duplex systems.
- It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.
- Valve body in Noryl plastic material = polyphenylene oxide (PPO). **Down Flow regeneration.**
- **Operating Flow Rate** = 4 m³/h (17 gpm) **Backwash Flow Rate** = 1.9 m³/h (8 gpm)
- Regeneration: - Volumetric: delayed or immediate - Electronics
- Complete with: European Transformer 230-24 V / 50/60 Hz 60 VA -1.05" twist lock upper screen -quick connections for the second tank and PVC connection pipes.
- **NOTE:** Accessories for the connection of the second tank are not included, to order separately. Upper diffusers included, for both pressure tanks. **OPTIONS:**Electronic SXT - ET

| Ref.        | Description                                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-----------------------------------------------------|------|---------|-------------|--|
| FV910SI-601 | FLECK VALV. 9100/1600 SXT 3/4" METER 1-2,4-0,5      | 23   | 520     | OK          |  |
| FV910SI-603 | FLECK VALV. 9100/1600 SXT 3/4" METER MS 1-2,4-0,5   | 23   | 520     | NO          |  |
| FV910SI-605 | FLECK VALV. 9100/1600 SXT MIXING 3/4" METER 1-2,4-1 | 23   | 520     | NO          |  |
| FV910SI-606 | FLECK VALV. 9100/1600 SXT 3/4" METER 2-3,5-1        | 23   | 520     | NO          |  |
| FV910SI-607 | FLECK VALV. 9100/1600 SXT 1" METER 3-5-1            | 23   | 520     | OK          |  |
| FV910SI-608 | FLECK VALV. 9100/1600 SXT 3/4" METER 3-5-1          | 23   | 520     | OK          |  |
| FV910MI-603 | FLECK VALV. 9100/1600 3/4" METER 40 M3 2-3,5-1      | 23   | 520     | NO          |  |
| FV910MI-604 | FLECK VALV. 9100/1600 1" METER 100 M3 3-5-1         | 23   | 520     | NO          |  |

| Characteristics                 |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 16"                                                                   |
| In/Out Connections              | Threaded 3/4" or 1" BSP to be ordered separately in quantities depending on the installation. |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male                                                                     |
| Drain line connection           | Threaded 1/2" or 1" NPT or BSP                                                                |
| Brine line connection (1600)    | Threaded 3/8"                                                                                 |
| Distributor tube O. D. diameter | 1,05" (=27 mm)                                                                                |
| Operating pressure              | 1,8 ÷ 8,5 bar                                                                                 |
| Water Temperature               | 1 ÷ 40 °C                                                                                     |
| Protection class                | IP22                                                                                          |
| Height (from top of tank)       | 185 mm                                                                                        |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Commercial |



## Signature Fleck Commercial Valves Kit Series Twin 9100



- Made in European Union (Italy).
- The kit includes 24 pieces of Fleck Valves 9100;
- The 9100 is a valve in Noryl plastic material, non-corrosive and UV-resistant, for an efficient water treatment and suitable for commercial softening applications, designed for alternating duplex systems.
- It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.
- Valve body in Noryl plastic material = polyphenylene oxide (PPO). **Down Flow regeneration.**
- **Operating Flow Rate** = 4 m<sup>3</sup>/h (17 gpm) **Backwash Flow Rate** = 1.9 m<sup>3</sup>/h (8 gpm)
- Regeneration: - Volumetric: delayed or immediate - Electronics
- Complete with: European Transformer 230-24 V / 50/60 Hz 60 VA -1.05" twist lock upper screen -quick connections for the second tank and PVC connection pipes.
- **NOTE:** Accessories for the connection of the second tank are not included, to order separately. Upper diffusers included, for both pressure tanks. **OPTIONS:**Electronic SXT - ET.
- Each kit includes 24 pieces of each following items: Bypass, Air Check 500, SBV 2310, Distributor Assy 1" HF (48 pieces), Yoke.

NOTE: these products are not available in stock.

| Ref          | Description                        | Fam. | Subfa m. | Disp. Stock |  |
|--------------|------------------------------------|------|----------|-------------|--|
| SIG910SI-001 | VALVE 9100-1600, MIX 3/4" SXT, 9"  | 23   | 520      | NO          |  |
| SIG910SI-002 | VALVE 9100-1600, MIX 3/4" SXT, 12" | 23   | 520      | NO          |  |
| SIG910SI-003 | VALVE 9100-1600, MIX 3/4" SXT, 16" | 23   | 520      | NO          |  |

| Characteristics                 |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Tank size (recommended):        | Softening System = 6" ÷ 16"                                                                   |
| In/Out Connections              | Threaded 3/4" or 1" BSP to be ordered separately in quantities depending on the installation. |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male                                                                     |
| Drain line connection           | Threaded 1/2" or 1" NPT or BSP                                                                |
| Brine line connection (1600)    | Threaded 3/8"                                                                                 |
| Distributor tube O. D. diameter | 1,05" (=27 mm)                                                                                |
| Operating pressure              | 1,8 ÷ 8,5 bar                                                                                 |
| Water Temperature               | 1 ÷ 40 °C                                                                                     |
| Protection class                | IP22                                                                                          |
| Height (from top of tank)       | 185 mm                                                                                        |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Commercial |



## Fleck Commercial Valves Series Twin 9100

### Accessories

| Ref         | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------------|------|---------|-------------|--|
| FVA28243-07 | 9100 PVC CONNECTING TUBES 2ND TANK ADAPTER - 7"        | 23   | 590     | NO          |  |
| FVA28243-09 | 9100 PVC CONNECTING TUBES 2ND TANK ADAPTER - 9"        | 23   | 590     | NO          |  |
| FVA28243-12 | 9100 PVC CONNECTING TUBES 2ND TANK ADAPTER - 12"       | 23   | 590     | NO          |  |
| FVA28243-16 | 9100 PVC CONNECTING TUBES 2ND TANK ADAPTER - 16"       | 23   | 590     | NO          |  |
| FVA13398-10 | 1" BSP F BRASS YOKE FOR 5800, 9000 AND 9100 VALVE      | 23   | 590     | OK          |  |
| FVA18706-10 | 1" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | OK          |  |
| FVA24689    | 3/4" BSP M BRASS YOKE FOR 5800, 9000 AND 9100 VALVES   | 23   | 590     | NO          |  |
| FVA18706-12 | 3/4" BSP M PLASTIC YOKE FOR 5800, 9000 AND 9100 VALVES | 23   | 590     | OK          |  |



## Fleck Commercial Valves Series Twin 9500



- Made in European Union (Italy)
- The 9500 is a brass valve, non-corrosive and UV-resistant, with fully adjustable 5-cycle control for an efficient water treatment and suitable for commercial softening applications, designed for alternating duplex systems.
- It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.
- Valve body in brass, which permit to adapt the hot water option up to 65°C.
- Down Flow regeneration.
- Operating Flow Rate = 8.4 m³/h (37 gpm)
- Backwash Flow Rate = 3.3 m³/h (14 gpm)
- **Regeneration:** - Volumetric: delayed or immediate - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA
- **NOTE:** Accessories for the connection of the second tank are not included, to order separately. Upper diffusers included, for both pressure tanks
- **OPTIONS:** Electronic SXT - ET; Hot water 65 ° C

| Ref.        | Description                                     | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------------------|------|---------|-------------|--|
| FV950SI-600 | FLECK VALV. 9500/1650 SXT 1.5" METER 3-5-1      | 23   | 525     | OK          |  |
| FV950SI-603 | FLECK VALV. 9500/1710 SXT 1.5" METER 3C-7-1,2   | 23   | 525     | NO          |  |
| FV950SI-605 | FLECK VALV. 9500/1710 SXT 1.5" METER 4C-15-2    | 23   | 525     | OK          |  |
| FV950MI-600 | FLECK VALV. 9500/1650 1.5" METER 40 M3 3-5-1    | 23   | 525     | NO          |  |
| FV950MI-602 | FLECK VALV. 9500/1710 1.5" METER 200 M3 4C-10-2 | 23   | 525     | NO          |  |
| FV950MI-604 | FLECK VALV. 9500/1710 1.5" METER 40 M3 4C-10-2  | 23   | 525     | NO          |  |

### Accessories

| Ref.        | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------------|------|---------|-------------|--|
| FVA28137-16 | 9500 KIT COPPER TUBES 2ND TANK ADAPTER - 16" | 23   | 590     | OK          |  |
| FVA28137-20 | 9500 KIT COPPER TUBES 2ND TANK ADAPTER - 20" | 23   | 590     | NO          |  |
| FVA28137-24 | 9500 KIT COPPER TUBES 2ND TANK ADAPTER - 24" | 23   | 590     | NO          |  |



## Fleck Commercial Valves Series Twin 9500

| Characteristics                 |                              |
|---------------------------------|------------------------------|
| Tank size (recommended):        | Softening System = 10" ÷ 24" |
| In/Out Connections              | Threaded 1,5" BSP            |
| Pressure vessel connection      | Threaded 4" - 8 UN male      |
| Drain line connection           | Threaded ½" NPT or BSP       |
| Brine line connection (1650)    | Threaded ¾"                  |
| Brine line connection (1710)    | Threaded ½"                  |
| Distributor tube O. D. diameter | 50 mm                        |
| Operating pressure              | 1,8 ÷ 8,5 bar                |
| Water Temperature               | 1 ÷ 40 °C                    |
| Protection class                | IP22                         |
| Height (from top of tank)       | 185 mm                       |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Commercial |

### Accessories

| Ref         | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------------|------|---------|-------------|--|
| FVA28137-16 | 9500 KIT COPPER TUBES 2ND TANK ADAPTER - 16" | 23   | 590     | OK          |  |
| FVA28137-20 | 9500 KIT COPPER TUBES 2ND TANK ADAPTER - 20" | 23   | 590     | NO          |  |
| FVA28137-24 | 9500 KIT COPPER TUBES 2ND TANK ADAPTER - 24" | 23   | 590     | NO          |  |



## Fleck Industrial Valves Series 2750



- Made in European Union (Italy)
- The 2750 control valve is suitable for small commercial and industrial filter or softening applications, designed for systems with one or more columns.
- It is a single piston valve, with a protective cover water, corrosion and UV rays resistant.
- Valve body in brass.
- Down Flow regeneration
- Operating Flow Rate = 5.9 m³/h (26 gpm)
- Backwash Flow Rate = 5.6 m³/h (25 gpm)
- Regeneration: Manual - Chronometric: 7 or 12 days
- - Volumetric: delayed or immediate -Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 1.05" twist lock upper screen.
- NOTE: For electronic models, the meter is not included, to order separately. For the filter valves, the DLFC is not included, to order separately.
- For NXT multi valve systems, please order (quantity = n-1 valves) the cable kit NXT (ref.FVA61763) separately;
- OPTIONS: NBP piston - Manual filter - SXT - NXT electronics - Mechanical controllers for simplex and duplex - Hot water - mechanical only 65 ° C volumetric or 82 ° C chronometric

| Ref.        | Description                                     | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------------------|------|---------|-------------|--|
| FV275XC-601 | FLECK VALV. 2750/1650 NO TIMER MSWIRED 3-5-1    | 23   | 530     | NO          |  |
| FV275XC-602 | FLECK VALV. 2750/1600 NO TIMER HW MSWIRED 3-5-1 | 23   | 530     | NO          |  |
| FV275SC-600 | FLECK VALV. 2750 FILTER SXT                     | 23   | 530     | NO          |  |
| FV275SC-601 | FLECK VALV. 2750 FILTER SXT NBP                 | 23   | 530     | NO          |  |
| FV275SC-603 | FLECK VALV. 2750/1650 SXT 3-5-1                 | 23   | 530     | NO          |  |
| FV275NC-603 | FLECK VALV. 2750/1650 NXT2 NBP 3-5-1            | 23   | 530     | NO          |  |

| Characteristics                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Tank size (recommended):        | Softening System = 10" ÷ 24" Filter = 10" ÷ 21" |
| In/Out Connections              | Threaded 1" BSP F                               |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male                       |
| Drain line connection           | Threaded ¾" NPT or BSP                          |
| Brine line connection (1600)    | Threaded ¾"                                     |
| Brine line connection (1710)    | Threaded ½"                                     |
| Distributor tube O. D. diameter | 1,05" (=27 mm)                                  |
| Operating pressure              | 1,8 ÷ 8,5 bar                                   |
| Water Temperature               | 1 ÷ 40 °C                                       |
| Protection class                | IP22                                            |
| Height (from top of tank)       | 165 mm                                          |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



## Fleck Industrial Valves Series 2750

| Ref         | Description                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------|------|---------|-------------|--|
| FV275XM-601 | FLECK VALV. 2750 FILTER MANUAL NBP  | 23   | 530     | NO          |  |
| FV275MC-600 | FLECK VALV. 2750 FILTER 12 DAYS     | 23   | 530     | NO          |  |
| FV275MC-601 | FLECK VALV. 2750 FILTER 12 DAYS NBP | 23   | 530     | NO          |  |
| FV275MC-602 | FLECK VALV. 2750/1650 12 DAYS 3-5-1 | 23   | 530     | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |

### Accessories

| Ref.         | Description                             | Fam. | Subfam. | Disp. Stock |  |
|--------------|-----------------------------------------|------|---------|-------------|--|
| FVA24202-10  | DLFC 3/4" NPT - 3/4" BSP 2750 - 10 GPM  | 23   | 590     | NO          |  |
| FVA24202-15  | DLFC 3/4" NPT - 3/4" BSP 2750 - 15 GPM  | 23   | 590     | NO          |  |
| FVA24202-20  | DLFC 3/4" NPT - 3/4" BSP 2750 - 20 GPM  | 23   | 590     | NO          |  |
| FVA24202-25  | DLFC 3/4" NPT - 3/4" BSP 2750 - 25 GPM  | 23   | 590     | NO          |  |
| FVA24202-9   | DLFC 3/4" NPT - 3/4" BSP 2750 - 9 GPM   | 23   | 590     | NO          |  |
| FVA24212-1.5 | DLFC 3/4" NPT - 1/2" NPT 2750 - 1,5 GPM | 23   | 590     | NO          |  |
| FVA24212-2.4 | DLFC 3/4" NPT - 1/2" NPT 2750 - 2,4 GPM | 23   | 590     | NO          |  |
| FVA24212-3   | DLFC 3/4" NPT - 1/2" NPT 2750 - 3 GPM   | 23   | 590     | NO          |  |
| FVA24212-3.5 | DLFC 3/4" NPT - 1/2" NPT 2750 - 3,5 GPM | 23   | 590     | NO          |  |
| FVA24212-4   | DLFC 3/4" NPT - 1/2" NPT 2750 - 4 GPM   | 23   | 590     | NO          |  |
| FVA24212-5   | DLFC 3/4" NPT - 1/2" NPT 2750 - 5 GPM   | 23   | 590     | NO          |  |
| FVA24212-7   | DLFC 3/4" NPT - 1/2" NPT 2750 - 7 GPM   | 23   | 590     | NO          |  |
| FVA29096     | KIT METER SS ASSY 1" NXT/NXT2           | 23   | 590     | NO          |  |
| FVA61763     | KIT COMMUNICATION CABLE NXT/NXT2        | 23   | 590     | NO          |  |



## Fleck Industrial Valves Series 2850 SXT and NXT2



- Made in European Union (Italy)
- The 2850 control valve is suitable for small commercial and industrial filtration or softening applications, designed for systems with one or more columns.
- Valve body in brass.
- It is a single piston valve, with a cover non-corrosive, water and UV resistant.
- Down Flow regeneration
- Operating Flow Rate = 11.6 m³/h (51 gpm)
- Backwash Flow Rate = 11.1 m³/h (48 gpm)
- Regeneration: -Manual - Chronometric: 7 or 12 days - Volumetric: delayed or immediate - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 2 "- upper screen (FVAKIT8);
- NOTE:For electronic models, the meter is not included, to order separately. For the filter valves, the DLFC is not included, to order separately.
- For NXT multi valve systems, please order (quantity = n-1 valves) the cable kit NXT (ref.FVA61763) separately;
- OPTIONS: NBP piston - Manual filter - Electronic SXT - NXT - Mechanical timers for simplex and duplex - Hot water - mechanical only 65° C volumetric or 82° C chronometric.

| Ref.        | Description                                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-----------------------------------------------------|------|---------|-------------|--|
| FV285MC-600 | FLECK VALV. 2850 FILTER 12 DAYS                     | 23   | 535     | NO          |  |
| FV285MC-601 | FLECK VALV. 2850 FILTER 12 DAYS NBP                 | 23   | 535     | NO          |  |
| FV285MC-604 | FLECK VALV. 2850/1710 12 DAYS 4C-10-2               | 23   | 535     | NO          |  |
| FV285MR-601 | FLECK VALV. 2850/1710 1.5" METER 200 M3 4C-10-2     | 23   | 535     | NO          |  |
| FV285MR-602 | FLECK VALV. 2850/1710 1.5" METER 200 M3 4C-10-2 NBP | 23   | 535     | NO          |  |
| FV285SC-600 | FLECK VALV. 2850 FILTER SXT                         | 23   | 535     | NO          |  |

| Characteristics                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Tank size (recommended):        | Softening System = 10" ÷ 30" Filter = 10" ÷ 24" |
| In/Out Connections              | Threaded 1,5" BSP F                             |
| Pressure vessel connection      | Threaded 4" - 8 UN male                         |
| Drain line connection           | Threaded 1" NPT or BSP                          |
| Brine line connection (1650)    | Threaded 3/8"                                   |
| Brine line connection (1710)    | Threaded 1/2"                                   |
| Distributor tube O. D. diameter | 50 mm                                           |
| Operating pressure              | 1,8 - 8,6 bar                                   |
| Water Temperature               | 1 ÷ 40 °C                                       |
| Protection class                | IP22                                            |
| Height (from top of tank)       | 165 mm                                          |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |



## Fleck Industrial Valves Series 2850

| Ref         | Description                            | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------|------|---------|-------------|--|
| FV285SC-601 | FLECK VALV. 2850 FILTER SXT NBP        | 23   | 535     | NO          |  |
| FV285SC-602 | FLECK VALV. 2850/1650 SXT 3-5-1        | 23   | 535     | NO          |  |
| FV285SC-603 | FLECK VALV. 2850/1650 SXT 3-5-1 NBP    | 23   | 535     | NO          |  |
| FV285SC-605 | FLECK VALV. 2850/1710 SXT 4C-10-2      | 23   | 535     | NO          |  |
| FV285NC-601 | FLECK VALV. 2850 FILTER NXT2 NBP       | 23   | 535     | NO          |  |
| FV285NC-602 | FLECK VALV. 2850/1650 NXT2 NBP 3-5-1   | 23   | 535     | NO          |  |
| FV285NC-603 | FLECK VALV. 2850/1710 NXT2 NBP 4C-10-2 | 23   | 535     | NO          |  |
| FV285NC-609 | FLECK VALV. 2850/1710 NXT2 5C-25-4     | 23   | 535     | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |

## Accessories

| Ref.         | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|--------------|--------------------------------------------------|------|---------|-------------|--|
| FVA25171-3   | DLFC 1" NPT - 3/4" BSP ASSY 3 GPM 2850/2910/9500 | 23   | 590     | NO          |  |
| FVA25171-4   | DLFC 1" NPT - 3/4" BSP ASSY 4 GPM 2850/2910/9500 | 23   | 590     | NO          |  |
| FVA25171-5   | DLFC 1" NPT - 3/4" BSP ASSY 5 GPM 2850/2910/9500 | 23   | 590     | NO          |  |
| FVA25171-7   | DLFC 1" NPT - 3/4" BSP ASSY 7 GPM 2850/2910/9500 | 23   | 590     | NO          |  |
| FVA25581-ALL | KIT DLFC 1" 2850/2910/9500 10 TO 25 GPM          | 23   | 590     | NO          |  |
| FVA29097     | KIT METER SS ASSY 1,5" NXT/NXT2                  | 23   | 590     | NO          |  |
| FVA61763     | KIT COMMUNICATION CABLE NXT/NXT2                 | 23   | 590     | NO          |  |



## Fleck Industrial Valves Series 2850 AIQ



- Made in European Union (Italy)
- The 2850 AIQ control valve is ideal for small commercial and industrial filtration or softening applications, designed for single-column systems.
- Valve body in brass.
- It is a single piston valve.
- Programmer integrated into the cover for a cutting-edge design. Equipped with status indicator (service, regeneration, alarm and error).
- 3.2" color graphic display.
- Highly customizable display with logo and phone number visualization.
- Manual programming or via USB-C using an Excel file.
- Down Flow regeneration.
- Operating Flow Rate = 11.6 m³/h (52 gpm) - Backwash Flow Rate = 11.1 m³/h (49 gpm).
- Regeneration: -Manual - Chronometric: safety regeneration frequency - Volumetric: delayed or immediate - Remote.
- Complete with 230-24 V / 50/60 Hz 60 VA power supply and 2" upper screen - Kit 8 (FVAKIT8).
- NOTE: for the filter valves, the DLFC is not included, to order separately.

| Ref          | Description                               | Fam. | Subfam. | Disp. Stock |  |
|--------------|-------------------------------------------|------|---------|-------------|--|
| FV285AIQ-001 | FLECK VALV. 2850 FILTER AIQ NBP           | 23   | 536     | OK          |  |
| FV285AIQ-002 | FLECK VALV. 2850 FILTER AIQ               | 23   | 536     | OK          |  |
| FV285AIQ-101 | FLECK VALV. 2850/1650 METER AIQ-101 3-5-1 | 23   | 536     | OK          |  |
| FV285AIQ-201 | FLECK VALV. 2850-1710 AIQ 4C-10-2         | 23   | 536     | OK          |  |
| FV285AIQ-202 | FLECK VALV. 2850-1710 AIQ 4C-10-2 NBP     | 23   | 536     | OK          |  |

| Characteristics                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Tank size (recommended):        | Softening System = 10" ÷ 30" Filter = 10" ÷ 24" |
| In/Out Connections              | Threaded 1,5" BSP F                             |
| Pressure vessel connection      | Threaded 4" - 8 UN male                         |
| Drain line connection           | Threaded 1" NPT                                 |
| Brine line connection (1650)    | Threaded 3/8"                                   |
| Brine line connection (1710)    | Threaded 1/2"                                   |
| Distributor tube O. D. diameter | 50 mm                                           |
| Operating pressure              | 1,8 - 8,6 bar                                   |
| Water Temperature               | 1 ÷ 40 °C (up to 65/82°C)                       |
| Protection class                | IP23                                            |
| Height (from top of tank)       | 153 mm                                          |
| Weight                          | 4,6 kg                                          |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |

### Accessories

| Ref      | Description                     | Fam. | Subfam. | Disp. Stock |  |
|----------|---------------------------------|------|---------|-------------|--|
| FVA29097 | KIT METER SS ASSY 1,5" NXT/NXT2 | 23   | 590     | NO          |  |



## Fleck Industrial Valves Series 2910



- Made in European Union (Italy); valve body in brass.
- The 2910 control valve is suitable for industrial and multivalve systems, for filtration or softening applications.
- It is a valve characterized by superior strength with improved 2 piston-system technology to drive independent flows of service and regeneration, with a cover non-corrosive, water and UV resistant.
- Down/Up Flow regeneration, according to the models.
- Operating Flow Rate = 24 m<sup>3</sup>/h (105 gpm)
- Backwash Flow Rate = 8 m<sup>3</sup>/h (35 gpm)
- Regeneration: - Chronometric: 7 or 12 days - Volumetric: delayed or immediate - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA and 2 "- Kit 8 upper screen.
- NOTE: For electronic models, the meter is not included, to order separately. For the filter valves, the DLFC is not included, to order separately.
- For NXT multi valve systems, please order (quantity = n-1 valves) the cable kit NXT (ref.FVA61763) separately;
- OPTIONS: NBP piston - Filter; Electronic SXT - NXT - Mechanical controllers for simplex and duplex - Hot water - mechanical only 65° C volumetric or 82° C chronometric.
- In order to manage softener valves DUPLEX A/B #7 NBP it is necessary to buy FVA29188 or FVA29189 separately.

| Ref.        | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------------|------|---------|-------------|--|
| FV291MD-608 | FLECK VAL. 2910/1710 DUPLEX A #7 NBP 6C-30-4 | 23   | 540     | OK          |  |
| FV291MD-609 | FLECK VAL. 2910/1710 DUPLEX B #7 NBP 6C-30-4 | 23   | 540     | OK          |  |
| FV291MC-604 | FLECK VALV. 2910/1710 12 DAYS DF 4C-15-2     | 23   | 540     | NO          |  |
| FV291MC-606 | FLECK VALV. 2910/1710 12 DAYS DF 4C-15-2 NBP | 23   | 540     | NO          |  |
| FV291SC-600 | FLECK VALV. 2910/1650 SXT 3-5-1              | 23   | 540     | NO          |  |
| FV291SC-602 | FLECK VALV. 2910/1710 SXT 4C-10-2            | 23   | 540     | NO          |  |
| FV291SC-603 | FLECK VALV. 2910/1710 SXT 4C-15-2            | 23   | 540     | NO          |  |
| FV291SC-604 | FLECK VALV. 2910/1710 SXT 5C-25-4            | 23   | 540     | NO          |  |
| FV291NC-600 | FLECK VALV. 2910/1650 NXT2 3-7-1 NBP         | 23   | 540     | NO          |  |

| Characteristics                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Tank size (recommended):        | Softening System = 14" ÷ 36" Filter = 14" ÷ 24" |
| In/Out Connections              | Threaded 2" BSP F                               |
| Pressure vessel connection      | Threaded 4" - 8 UN male                         |
| Drain line connection           | Threaded 1" NPT or BSP                          |
| Brine line connection (1650)    | Threaded 3/8"                                   |
| Brine line connection (1710)    | Threaded 1/2"                                   |
| Distributor tube O. D. diameter | 50 mm                                           |
| Operating pressure              | 1,8 ÷ 8,5 bar                                   |
| Water Temperature               | 1 ÷ 40 °C                                       |
| Protection class                | IP22                                            |
| Height (from top of tank)       | 305 mm                                          |



| Ref         | Description                               | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------------|------|---------|-------------|--|
| FV291NC-601 | FLECK VALV. 2910/1710 NXT2 3C-10-2 NBP    | 23   | 540     | NO          |  |
| FV291NC-602 | FLECK VALV. 2910/1710 NXT2 4C-10-2 NBP    | 23   | 540     | NO          |  |
| FV291NC-603 | FLECK VALV. 2910/1710 NXT2 4C-15-2 NBP    | 23   | 540     | OK          |  |
| FV291NC-604 | FLECK VALV. 2910/1710 NXT2 6C-25-4        | 23   | 540     | NO          |  |
| FV291NC-605 | FLECK VALV. 2910/1710 NXT2 6C-25-4 NBP    | 23   | 540     | OK          |  |
| FV291NC-607 | FLECK VALV. 2910/1710 NXT2 4C-15-2 HW     | 23   | 540     | NO          |  |
| FV291NC-609 | FLECK VALV. 2910/1710 NXT2 UF 4C-15-2     | 23   | 540     | NO          |  |
| FV291NC-610 | FLECK VALV. 2910/1710 NXT2 UF 4C-15-2 NBP | 23   | 540     | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Industrial |

## Accessories

| Ref.         | Description                                        | Fam. | Subfam. | Disp. Stock |  |
|--------------|----------------------------------------------------|------|---------|-------------|--|
| FVA13640     | DOLE 30 GPM 2850/2910                              | 23   | 590     | NO          |  |
| FVA25171-2.4 | DLFC 1" NPT - 3/4" BSP ASSY 2.4 GPM 2850/2910/9500 | 23   | 590     | NO          |  |
| FVA25171-3   | DLFC 1" NPT - 3/4" BSP ASSY 3 GPM 2850/2910/9500   | 23   | 590     | NO          |  |
| FVA25171-4   | DLFC 1" NPT - 3/4" BSP ASSY 4 GPM 2850/2910/9500   | 23   | 590     | NO          |  |
| FVA25171-5   | DLFC 1" NPT - 3/4" BSP ASSY 5 GPM 2850/2910/9500   | 23   | 590     | NO          |  |
| FVA25171-7   | DLFC 1" NPT - 3/4" BSP ASSY 7 GPM 2850/2910/9500   | 23   | 590     | NO          |  |
| FVA25581-10  | DLFC 1" NPT - 3/4" BSP ASSY 10 GPM 2850/2910/9500  | 23   | 590     | NO          |  |
| FVA25581-12  | DLFC 1" NPT - 3/4" BSP ASSY 12 GPM 2850/2910/9500  | 23   | 590     | NO          |  |
| FVA25581-15  | DLFC 1" NPT - 3/4" BSP ASSY 15 GPM 2850/2910/9500  | 23   | 590     | NO          |  |
| FVA25581-20  | DLFC 1" NPT - 3/4" BSP ASSY 20 GPM 2850/2910/9500  | 23   | 590     | NO          |  |
| FVA25581-25  | DLFC 1" NPT - 3/4" BSP ASSY 25 GPM 2850/2910/9500  | 23   | 590     | NO          |  |
| FVA25581-8   | DLFC 1" NPT - 3/4" BSP ASSY 8 GPM 2850/2910/9500   | 23   | 590     | NO          |  |
| FVA25581-ALL | KIT DLFC 1" 2850/2910/9500 10 TO 25 GPM            | 23   | 590     | NO          |  |
| FVA29098     | KIT METER SS ASSY 2" NXT/NXT2                      | 23   | 590     | NO          |  |
| FVA28295     | KIT METER ELECTRONIC 2" PLASTIC 2910/3150          | 23   | 590     | OK          |  |
| FVA61763     | KIT COMMUNICATION CABLE NXT/NXT2                   | 23   | 590     | NO          |  |
| FVA29188     | STAINLESS STEEL REMOTE METER 75 M3                 | 23   | 590     | NO          |  |
| FVA29189     | STAINLESS STEEL REMOTE METER 375 M3                | 23   | 590     | NO          |  |



## Fleck Industrial Valves Series 3150

- Made in European Union (Italy);
- The 3150 is a fully adjustable 3- or 5-cycle control valve for an efficient and reliable water treatment, suitable for industrial filtration and softening applications;
- Valve body in brass;
- It is a valve characterized by considerable strength, with a cover non-corrosive, water and UV resistant;
- Down Flow regeneration;
- Operating Flow Rate = 22 m³/h (97 gpm);
- Backwash Flow Rate = 24 m³/h (105 gpm);
- Regeneration:
  - Chronometric: 7 or 12 days
  - Volumetric: delayed or immediate
- Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA;
- NOTE:
  - Adapter for top or side mount is not included, to be ordered separately;
  - Upper screen not included and not available; we suggest side mounting;
  - For electronic models, the meter is not included, to order separately;
  - For the filter valves, the DLFC is not included, to order separately;
  - For NXT multi valve systems, please order (quantity = n-1 valves) the cable kit NXT (ref.FVABU41692) separately;
- OPTIONS:
  - NBP piston;
  - Filter;
  - Electronic NXT;
  - Mechanical controllers for simplex and duplex;
  - Hot water - mechanical only 65° C volumetric or 82° C chronometric.

| Ref.        | Description                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------|------|---------|-------------|--|
| FV315MC-600 | FLECK VALV. 3150 FILTER 12 DAYS     | 23   | 545     | NO          |  |
| FV315MC-601 | FLECK VALV. 3150 FILTER 12 DAYS NBP | 23   | 545     | NO          |  |
| FV315NC-600 | FLECK VALV. 3150 FILTER NXT2        | 23   | 545     | NO          |  |
| FV315NC-601 | FLECK VALV. 3150 FILTER NXT2 NBP    | 23   | 545     | NO          |  |
| FV315NC-607 | FLECK VALV. 3150/1800 NXT2 6-35-5   | 23   | 545     | NO          |  |

| Characteristics                 |                                                                         |
|---------------------------------|-------------------------------------------------------------------------|
| Tank size (recommended):        | Softening System = 24" ÷ 42" (Side mount filter 63") Filter = 24" ÷ 42" |
| In/Out Connections              | Threaded 2" BSP                                                         |
| Pressure vessel connection      | Threaded 4" - 8 UN male                                                 |
| Drain line connection           | Threaded 2" NPT or BSP                                                  |
| Brine line connection (1800)    | Threaded 1" NPT                                                         |
| Distributor tube O. D. diameter | 63 mm                                                                   |
| Operating pressure              | 1,8 ÷ 8,5 bar                                                           |
| Water Temperature               | 1 ÷ 40 °C                                                               |
| Protection class                | IP22                                                                    |
| Height (from top of tank)       | 254 mm                                                                  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Industrial |



## Fleck Industrial Valves Series 3150

| Ref.        | Description                                  | Fam. | Subfam. | Disp. Stock |  |
|-------------|----------------------------------------------|------|---------|-------------|--|
| FV315NC-608 | FLECK VALV. 3150/1800 NXT2 6-35-5 NBP        | 23   | 545     | NO          |  |
| FV315NC-609 | FLECK VALV. 3150/1800 NXT2 7-50-10           | 23   | 545     | NO          |  |
| FV315NC-612 | FLECK VALV. 3150/1800 NXT2 8-70-10 NBP       | 23   | 545     | NO          |  |
| FV315NC-615 | FLECK VALV. 3150/1800 NXT2 10-100-10         | 23   | 545     | NO          |  |
| FV315NC-616 | FLECK VALV. 3150/1800 NXT2 10-100-10 NBP     | 23   | 545     | NO          |  |
| FV315XC-600 | FLECK VALV. 3150/1800 NOTIMER MSWIRED 4-20-5 | 23   | 545     | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Industrial |

### Accessories

| Ref.         | Description                                   | Fam. | Subfam. | Disp. Stock |  |
|--------------|-----------------------------------------------|------|---------|-------------|--|
| FVA18023     | TANK DAPT ASSY 3150 SM                        | 23   | 590     | OK          |  |
| FVA18024     | TANK ADAPT ASSY 3150 TM                       | 23   | 590     | NO          |  |
| FVA25580-100 | DLFC 2" BSP- 2" BSP ASSY 100 GPM 3150/3900    | 23   | 590     | NO          |  |
| FVA25580-20  | DLFC 2" BSP- 2" BSP ASSY 20 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-25  | DLFC 2" BSP- 2" BSP ASSY 25 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-30  | DLFC 2" BSP- 2" BSP ASSY 30 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-35  | DLFC 2" BSP- 2" BSP ASSY 35 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-40  | DLFC 2" BSP- 2" BSP ASSY 40 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-45  | DLFC 2" BSP- 2" BSP ASSY 45 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-50  | DLFC 2" BSP- 2" BSP ASSY 50 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-55  | DLFC 2" BSP- 2" BSP ASSY 55 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-65  | DLFC 2" BSP- 2" BSP ASSY 65 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-70  | DLFC 2" BSP- 2" BSP ASSY 70 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-75  | DLFC 2" BSP- 2" BSP ASSY 75 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-80  | DLFC 2" BSP- 2" BSP ASSY 80 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-85  | DLFC 2" BSP- 2" BSP ASSY 85 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-90  | DLFC 2" BSP- 2" BSP ASSY 90 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-ALL | DLFC KIT 2" 3150/3900 30 TO 100 GPM 3150/3900 | 23   | 590     | NO          |  |
| FVA29098     | KIT METER SS ASSY 2" NXT/NXT2                 | 23   | 590     | NO          |  |
| FVA28295     | KIT METER ELECTRONIC 2" PLASTIC 2910/3150     | 23   | 590     | OK          |  |
| FVA61763     | KIT COMMUNICATION CABLE NXT/NXT2              | 23   | 590     | NO          |  |



## Fleck Industrial Valves Series 3900



- Made in European Union (Italy)
- The 3900 is a fully adjustable 3- or 5-cycle control valve for an efficient and reliable water treatment, suitable for industrial and multivalve systems, for filtration and softening applications.
- Valve body in brass.
- It is a valve characterized by considerable strength, with a cover non-corrosive, water and UV resistant.
- Down/Up Flow regeneration, according to the models.
- Operating Flow Rate = 57 m<sup>3</sup>/h (250 gpm)
- Backwash Flow Rate = 24 m<sup>3</sup>/h (105 gpm)
- Regeneration: Chronometric: 7 or 12 days - Electronics
- Complete with European Transformer 230-24 V / 50/60 Hz 60 VA
- NOTE: Upper screen is not included, to be ordered separately.
- Adapter for top or side mount is not included, to be ordered separately. For the filter valves, the DLFC is not included, to order separately.
- For NXT multi valve systems, please order (quantity = n-1 valves) the cable kit NXT (ref.FVA61763) separately;
- OPTIONS: NBP piston - Filter - NXT electronics
- Mechanical controllers for simplex and duplex
- Hot water - mechanical only 65° C volumetric or 82° C chronometric.

| Ref.        | Description                               | Fam. | Subfa m. | Disp. Stock |  |
|-------------|-------------------------------------------|------|----------|-------------|--|
| FV390MC-601 | FLECK VALV. 3900/1800 12 DAYS NBP 7-50-10 | 23   | 550      | NO          |  |
| FV390NC-602 | FLECK VALV. 3900/1800 NXT2 6-35-5         | 23   | 550      | NO          |  |
| FV390NC-605 | FLECK VALV. 3900/1800 NXT2 NBP 5-25-5     | 23   | 550      | NO          |  |
| FV390NC-606 | FLECK VALV. 3900/1800 NXT2 NBP 6-35-5     | 23   | 550      | NO          |  |
| FV390NC-607 | FLECK VALV. 3900/1800 NXT2 NBP 7-50-10    | 23   | 550      | NO          |  |

| Characteristics                 |                                                                        |
|---------------------------------|------------------------------------------------------------------------|
| Tank size (recommended):        | Softening System = 30" ÷ 42" (30" ÷ 63" side mount) Filter = 24" ÷ 42" |
| In/Out Connections              | Threaded 3" BSP                                                        |
| Pressure vessel connection      | Flanged 6" or Side mount                                               |
| Drain line connection           | Threaded 2" NPT or BSP                                                 |
| Brine line connection (1800)    | Threaded 1" NPT                                                        |
| Distributor tube O. D. diameter | 90 mm                                                                  |
| Operating pressure              | 1,8 ÷ 8,5 bar                                                          |
| Water Temperature               | 1 ÷ 40 °C                                                              |
| Protection class                | IP22                                                                   |
| Height (from top of tank)       | 381 mm                                                                 |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Industrial |



| Ref         | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------------------|------|---------|-------------|--|
| FV390NC-608 | FLECK VALV. 3900/1800 NXT2 NBP 8-70-10           | 23   | 550     | NO          |  |
| FV390NC-610 | FLECK VALV. 3900/1800 NXT2 NBP 10-100-10         | 23   | 550     | NO          |  |
| FV390XC-600 | FLECK VALV. 3900/1800 NOTIMER NBP 5-25-5         | 23   | 550     | NO          |  |
| FV390XC-602 | FLECK VALV. 3900/1800 NOTIMER NBP 7-50-10        | 23   | 550     | NO          |  |
| FV390XC-603 | FLECK VALV. 3900/1800 NOTIMER NOPLUG NBP 7-50-10 | 23   | 550     | NO          |  |
| FV390XC-606 | FLECK VALV. 3900/1800 NOTIMER NBP 10-100-10      | 23   | 550     | NO          |  |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors    |
|---------------|--------------|------------|
| DM174-2004 CE | Pentair      | Industrial |

## Accessories

| Ref.         | Description                                   | Fam. | Subfam. | Disp. Stock |  |
|--------------|-----------------------------------------------|------|---------|-------------|--|
| FVA16258     | FLOW DISPERSER 3" 3900                        | 23   | 590     | NO          |  |
| FVA18925     | TANK ADAPT ASSY 3900 TM FLANGED 6"            | 23   | 590     | OK          |  |
| FVA18926     | TANK ADAPT ASSY 3900 SM                       | 23   | 590     | NO          |  |
| FVA25580-100 | DLFC 2" BSP- 2" BSP ASSY 100 GPM 3150/3900    | 23   | 590     | NO          |  |
| FVA25580-20  | DLFC 2" BSP- 2" BSP ASSY 20 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-25  | DLFC 2" BSP- 2" BSP ASSY 25 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-30  | DLFC 2" BSP- 2" BSP ASSY 30 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-35  | DLFC 2" BSP- 2" BSP ASSY 35 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-40  | DLFC 2" BSP- 2" BSP ASSY 40 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-45  | DLFC 2" BSP- 2" BSP ASSY 45 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-50  | DLFC 2" BSP- 2" BSP ASSY 50 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-55  | DLFC 2" BSP- 2" BSP ASSY 55 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-65  | DLFC 2" BSP- 2" BSP ASSY 65 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-70  | DLFC 2" BSP- 2" BSP ASSY 70 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-75  | DLFC 2" BSP- 2" BSP ASSY 75 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-80  | DLFC 2" BSP- 2" BSP ASSY 80 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-85  | DLFC 2" BSP- 2" BSP ASSY 85 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-90  | DLFC 2" BSP- 2" BSP ASSY 90 GPM 3150/3900     | 23   | 590     | NO          |  |
| FVA25580-ALL | DLFC KIT 2" 3150/3900 30 TO 100 GPM 3150/3900 | 23   | 590     | NO          |  |
| FVA29082     | KIT METER ASSY 3" SS NXT2 3900                | 23   | 590     | OK          |  |
| FVA310011C   | ADAPTER                                       | 23   | 590     | OK          |  |
| FVA61763     | KIT COMMUNICATION CABLE NXT/NXT2              | 23   | 590     | NO          |  |



## Siata Valves V132 Series



- Made in European Union (Italy);
- The V132 is a high performance piston control valve, ideal for residential, commercial and industrial applications with multiple options: softening, demineralisation, filtration;
- Down Flow regeneration with programmable cycles, depending by mounted controller;
- Valve body in black ABS material, reinforced with glass fiber;
- Operating Flow Rate = 7 m³/h;
- Backwash Flow rate = 3 m³/h (@1,8 bar pressure drop);
- Complete with 32 mm upper diffuser (**SVR1001-32I**) and lower diffuser (**SVR1002D32**).

| Ref.           | Description                                                                     | Fam. | Subfam. | Disp. Stock |  |
|----------------|---------------------------------------------------------------------------------|------|---------|-------------|--|
| SV132A05B2     | V132 SOFTENER VALVE BODY ASSY, INJ.BLUE, FLOW#2                                 | 29   | 596     | OK          |  |
| SV132T05B2     | V132 METERED SOFTENER VALVE BODY ASSY, INJ.BLUE, FLOW#2                         | 29   | 596     | OK          |  |
| SV132T0B2A1B0A | V132 METERED SOFTENER VALVE BODY ASSY WITH MIXING,TWIN PILOTS, INJ BLUE, FLOW2  | 29   | 596     | OK          |  |
| SV132E0505R3   | V132 SOFTENER DUPLEX VALVE BODY ASSY 5 HYDRAULIC CONNECTIONS, INJ.RED, FLOW#3   | 29   | 596     | OK          |  |
| SV132ET0505N5  | V132 METERED SOFTENER DUPLEX VALVE BODY ASSY 5 HYDRAULIC CONN. INJ.BLACK FLOW#5 | 29   | 596     | OK          |  |
| SV132DN0505N5  | V132 DI CATIONIC VALVE BODY ASSY, INJ.BLACK, FLOW#5                             | 29   | 596     | OK          |  |
| SV132DN0405N5  | V132 DI ANIONIC VALVE BODY ASSY + PROBE, INJ.BLACK, FLOW#5                      | 29   | 596     | OK          |  |
| SV132F05F5     | V132 FILTER VALVE BODY ASSY, BLIND INJECTOR, FLOW#5                             | 29   | 596     | OK          |  |

| Characteristics                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Tank size (recommended):        | Softening= 8" ÷ 18" Demi=8" ÷ 18" Filter=8" ÷ 16" |
| In/Out Connections              | Threaded 2" BSPT or different connections         |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male                         |
| Drain line connection           | 20mm QC                                           |
| Brine line connection (1600)    | Threaded 3/8"                                     |
| Distributor tube O. D. diameter | 32 mm OD                                          |
| Operating pressure              | 1,5 ÷ 6 bar                                       |
| Water Temperature               | 5 ÷ 40 °C                                         |

| Certificates  | Manufacturer | Sectors                          |
|---------------|--------------|----------------------------------|
| DM174-2004 CE | Pentair      | Domestic, Commercial, Industrial |

### Accessories and Spare Parts

| Ref           | Description                                                | Fam. | Subfam. | Disp. Stock |  |
|---------------|------------------------------------------------------------|------|---------|-------------|--|
| SVR222205     | INTERNAL TURBINE ASSEMBLY                                  | 29   | 598     | NO          |  |
| SVR223005     | PISTONS WITH SEALS & SPACERS ASSY                          | 29   | 598     | NO          |  |
| SVR225005     | TWIN PILOT ASSEMBLY FOR VALVES V132-V230-V240              | 29   | 598     | OK          |  |
| SVR2231-B05   | INJECTOR BLUE V132-240-230                                 | 29   | 598     | OK          |  |
| SVR2231-N05   | INJECTOR BLACK V132-240-230                                | 29   | 598     | OK          |  |
| SVR2231-R05   | INJECTOR RED V132-240-230                                  | 29   | 598     | OK          |  |
| SVR2265BDW05  | KIT FITTING 1" FEMALE THREADED (NYLON)                     | 29   | 598     | OK          |  |
| SVR2265CDW05  | KIT FITTING 1 1/4" FEMALE THREADED (NYLON)                 | 29   | 598     | OK          |  |
| SVR2265KDW05  | KIT FITTING 1 1/2" FEMALE THREADED (NYLON)                 | 29   | 598     | OK          |  |
| SVR2265HDW05  | KIT FITTING SOCKET 1 1/2" EXT > 1" INT (NYLON)             | 29   | 598     | OK          |  |
| SVR494F05     | KIT FITTING BRASS 2" VALVE SIDE > 1 1/2" MALE              | 29   | 598     | OK          |  |
| SVRFEBK006    | SFE METER CONTROLLER BLACK TWIN PILOTS                     | 29   | 597     | OK          |  |
| SVRFEBK30105  | 3 PILOTS SFE CONTROLLER BLACK + OUTLET SHUT OFF            | 29   | 597     | OK          |  |
| SVRFVDPX50205 | SFE-EV PRO DUPLEX STD OUTLET SHUT-OFF SINGLE EFFECT VALVES | 29   | 597     | OK          |  |
| SVRFVSPX6XX10 | SFE-EV PRO SIMPLEX WITH CAM ON DEMAND 6 EXT.DRV            | 29   | 597     | NO          |  |
| SVRK10167     | BRACKET FOR SFE-EV PRO DUPLEX CONTROLLER                   | 29   | 598     | NO          |  |
| SVRSPX70105   | SFE-EV PRO SIMPLEX WITH STD DI CAMSHAFT 7P                 | 29   | 597     | OK          |  |



## V132 Signature Siata Valves Kit



- Each kit includes Siata V132 volumetric valve with blue injector and #2 flow control;
- Suitable for automatic residential, commercial and industrial softening systems;
- Valve body in black ABS material, reinforced with glass fiber;
- Operating Flow Rate = 7 m<sup>3</sup>/h;
- Backwash Flow rate = 3 m<sup>3</sup>/h (@1,8 bar pressure drop);
- Possible to mix up to 50% raw water for residential applications;
- Complete with upper diffuser;
- Each kit includes V132 Siata Valve, SFE controller, BK direct bypass without proportional mixing , brine valve with flexible shaft BR1-100/05, 32 mm lower diffuser tube.

| Ref.            | Description                                      | Fam. | Subfam. | Disp. Stock |  |
|-----------------|--------------------------------------------------|------|---------|-------------|--|
| SIG132FQ-002    | V132 MTD B2 + SFE WITH ACCESSORIES - 09 (40 PCS) | 29   | 596     | NO          |  |
| SIG132FQ-002-20 | V132 MTD B2 + SFE WITH ACCESSORIES - 09 (20 PCS) | 29   | 596     | NO          |  |

| Characteristics                 |                          |
|---------------------------------|--------------------------|
| Pressure vessel connection      | Threaded 2,5"- 8 UN Male |
| Brine Line Connection           | Threaded 3/8"            |
| Distributor tube O. D. diameter | 32 mm OD                 |
| In/Out connections              | Threaded 2" BSPT         |
| Drain line connection           | 20 mm QC                 |
| Operating pressure              | 1,5 ÷ 6 bar              |
| Water Temperature               | 5 ÷ 40 °C                |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                          |
|--------------|--------------|----------------------------------|
|              | Pentair      | Domestic, Commercial, Industrial |

### Accessories and Spare Parts

| Ref.         | Description                                    | Fam. | Subfam. | Disp. Stock |  |
|--------------|------------------------------------------------|------|---------|-------------|--|
| SVR2265BDW05 | KIT FITTING 1" FEMALE THREADED (NYLON)         | 29   | 598     | OK          |  |
| SVR2265CDW05 | KIT FITTING 1 1/4" FEMALE THREADED (NYLON)     | 29   | 598     | OK          |  |
| SVR2265KDW05 | KIT FITTING 1 1/2" FEMALE THREADED (NYLON)     | 29   | 598     | OK          |  |
| SVR2265HDW05 | KIT FITTING SOCKET 1 1/2" EXT > 1" INT (NYLON) | 29   | 598     | OK          |  |
| SVR1002D32   | BOTTOM STRAINER (DIAM = 32 MM) FOR VALVE V132  | 29   | 598     | OK          |  |
| SVR225005    | TWIN PILOT ASSEMBLY FOR VALVES V132-V230-V240  | 29   | 598     | OK          |  |



## Siata Valves V230 Series



- Made in European Union (Italy);
- The V230 is a high performance piston control valve, ideal for commercial and industrial applications with multiple options: softening, filtration;
- Down Flow regeneration with programmable cycles, depending by mounted controller;
- Valve body in black ABS material, reinforced with glass fiber;
- Operating Flow Rate = 8,5 m<sup>3</sup>/h;
- Backwash Flow rate = 4 m<sup>3</sup>/h (@1,8 bar pressure drop);
- Complete with 50 mm upper diffuser and lower diffuser.

| Ref.       | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|------------|---------------------------------------------------------|------|---------|-------------|--|
| SV230A05G5 | V230 SOFTENER VALVE BODY ASSY, INJ.GREY, FLOW#5         | 29   | 596     | OK          |  |
| SV230T05G5 | V230 METERED SOFTENER VALVE BODY ASSY, INJ.GREY, FLOW#5 | 29   | 596     | OK          |  |
| SV230E05G5 | V230 SOFTENER DUPLEX VALVE BODY ASSY, INJ.GREY, FLOW#5  | 29   | 596     | OK          |  |
| SV230F05F0 | V230 FILTER VALVE BODY ASSY, BLIND INJECTOR, FLOW#0     | 29   | 596     | OK          |  |

| Characteristics                 |                                      |
|---------------------------------|--------------------------------------|
| Tank size (recommended):        | Softening= 8" ÷ 21" Filter= 8" ÷ 21" |
| In/Out Connections              | Threaded 2" BSPT                     |
| Pressure vessel connection      | Threaded 2,5" - 8 UN male            |
| Drain line connection           | 20 mm QC                             |
| Brine line connection (1600)    | Threaded 3/8"                        |
| Distributor tube O. D. diameter | 50 mm OD                             |
| Operating pressure              | 1,5 ÷ 6 bar                          |
| Water Temperature               | 5 ÷ 40 °C                            |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |

### Accessories and Spare parts

| Ref.          | Description                                                 | Fam. | Subfam. | Disp. Stock |  |
|---------------|-------------------------------------------------------------|------|---------|-------------|--|
| SVR222205     | INTERNAL TURBINE ASSEMBLY                                   | 29   | 598     | NO          |  |
| SVR223005     | PISTONS WITH SEALS & SPACERS ASSY                           | 29   | 598     | NO          |  |
| SVR2231-B05   | INJECTOR BLUE V132-240-230                                  | 29   | 598     | OK          |  |
| SVR2231-N05   | INJECTOR BLACK V132-240-230                                 | 29   | 598     | OK          |  |
| SVR2231-R05   | INJECTOR RED V132-240-230                                   | 29   | 598     | OK          |  |
| SVR225005     | TWIN PILOT ASSEMBLY FOR VALVES V132-V230-V240               | 29   | 598     | OK          |  |
| SVR494F05     | KIT FITTING BRASS 2" VALVE SIDE > 1 1/2" MALE               | 29   | 598     | OK          |  |
| SVRFEBK006    | SFE METER CONTROLLER BLACK TWIN PILOTS                      | 29   | 597     | OK          |  |
| SVRFEBK30105  | 3 PILOTS SFE CONTROLLER BLACK + OUTLET SHUT OFF             | 29   | 597     | OK          |  |
| SVRFVDPX50205 | SFE-EV PRO DUPLEX STD. OUTLET SHUT-OFF SINGLE EFFECT VALVES | 29   | 597     | OK          |  |
| SVRFVSPX6XX10 | SFE-EV PRO SIMPLEX WITH CAM ON DEMAND 6 EXT.DRV             | 29   | 597     | NO          |  |
| SVRK10167     | BRACKET FOR SFE-EV PRO DUPLEX CONTROLLER                    | 29   | 598     | NO          |  |
| SVRSPX70105   | SFE-EV PRO SIMPLEX WITH STD DI CAMSHAFT 7P                  | 29   | 597     | OK          |  |



## Siata Valves V250 Series



- Made in the European Union (Italy)
- The V250 valve is a high-performance piston control valve, ideal for commercial and industrial applications with multiple options: softening, demineralization, dealkalinisation and filtration;
- Downflow regeneration with programmable cycles, depending by mounted controller;
- Valve body in black ABS material, reinforced with glass fiber;
- Operating flow rate 21 m<sup>3</sup>/h (@1 bar pressure drop);
- Backwash flow rate 12 m<sup>3</sup>/h (@1,9 bar pressure drop);
- Complete with 50 mm upper diffuser and lower diffuser.

| Ref.          | Description                                                       | Fam. | Subfam. | Disp. Stock |  |
|---------------|-------------------------------------------------------------------|------|---------|-------------|--|
| SV250ABP05B   | V250 SOFTENING VALVE BODY ASSY, #INJ. BLUE                        | 29   | 596     | OK          |  |
| SV250ANBP05B  | V250 SOFTENING VALVE BODY ASSY, NO BYPASS, #INJ. BLUE             | 29   | 596     | OK          |  |
| SV250DNNBP05N | V250 DI CAT.& AN. VALVE BODY ASSY, NO BYPASS, INJ. BLACK, NO FLOW | 29   | 596     | OK          |  |

| Characteristics                 |                                         |
|---------------------------------|-----------------------------------------|
| Tank size                       | Softening/Demi/Filter 14" ÷ 30"         |
| Connections In/Out              | Threaded 2 1/4" male BSP                |
| Pressure vessel connection      | Threaded 4" - 8 UN male                 |
| Drain line connection           | Threaded 1 1/2" BSP female- 2" BSP male |
| Brine line connection           | Threaded 1/2"                           |
| Distributor tube O. D. diameter | 50 mm OD                                |
| Operating pressure              | 1,5 ÷ 6 bar                             |
| Water Temperature               | 5°C ÷ 40°C                              |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates  | Manufacturer | Sectors                |
|---------------|--------------|------------------------|
| DM174-2004 CE | Pentair      | Commercial, Industrial |

### Accessories and Spare Parts

| Ref.          | Description                                                | Fam. | Subfam. | Disp. Stock |  |
|---------------|------------------------------------------------------------|------|---------|-------------|--|
| SVR2237205    | KIT PISTON + SEALS SPACERS V250-V260                       | 29   | 598     | OK          |  |
| SVR2261105    | V250 COMPLETE O-RING SET (SOFTENING AND FILTRATION)        | 29   | 598     | OK          |  |
| SVR494A05     | KIT FITTING PVC 2 1/4" VALVE SIDE > D.50 MM TO BE GLUED    | 29   | 598     | OK          |  |
| SVR494G05     | KIT FITTING BRASS 2 1/4" VALVE SIDE > 2" MALE              | 29   | 598     | OK          |  |
| SVR5121MFL05  | OUTLET VALVE BODY + CAP FOR V250 AND V260                  | 29   | 598     | OK          |  |
| SVR5150N105   | INJECTOR ASSY V250 - BLACK                                 | 29   | 598     | NO          |  |
| SVRFEBK30105  | 3 PILOTS SFE CONTROLLER BLACK + OUTLET SHUT OFF            | 29   | 597     | OK          |  |
| SVRFVDPX50205 | SFE-EV PRO DUPLEX STD OUTLET SHUT-OFF SINGLE EFFECT VALVES | 29   | 597     | OK          |  |
| SVRFVSPX6XX10 | SFE-EV PRO SIMPLEX WITH CAM ON DEMAND 6 EXT.DRV            | 29   | 597     | NO          |  |
| SVRSPX70105   | SFE-EV PRO SIMPLEX WITH STD DI CAMSHAFT 7P                 | 29   | 597     | OK          |  |



## CLACK VALVE WS1TC

### CONTROL VALVE



- Top mount control valve suited for automatic residential water softening or filtration system;
- Single valve, available also for twin alternating, twin parallel and multitank systems;
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- More informative 4 digit LCD Display with Status Indicators;
- Solid state microprocessor with easy access front panel settings;
- Backwash and brining ability to 21" diameter tanks;
- Front panel display for time of day, days until next regeneration;
- Days between regeneration feature: 1-99 days standard; 7-day optional;
- Double backwash feature offers optimum regeneration, cleaning ability and efficiency;
- 10 selectable pre-programmed regeneration cycles;
- Coin Cell Lithium battery back-up with a 8 hour carry over;
- Auto detection of 50/60 Hz line frequency, with automatic 12/24 hour time keeping formats;
- Level VI 15-volt output DC power supply provides safe and easy installation;
- Post treated water regenerant refill;
- Reliable and proven DC drive;
- Certified to NSF/ANSI 44, 61 and 372 ;
- If you need a different injector Tank Size, please order separately the relevant Injector and the ref. V4052-01 (Interconnect Kit).

| Ref.        | Description                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------|------|---------|-------------|--|
| V1TCDTD-M03 | WS1TC VALVE DN T I-D W/MIXING VALVE | 15   | 720     | NO          |  |
| V1TCDTE-03  | WS1TC VALVE DN T I-E                | 15   | 720     | OK          |  |
| V1TCDTE-M03 | WS1TC VALVE DN T I-E W/MIXING VALVE | 15   | 720     | OK          |  |
| V1TCBTZ-03  | WS1TC VALVE BW T I-Z                | 15   | 720     | OK          |  |

| Ref.        | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|-------------|-------------------------|--------------------|-----------------|--------------|--------------|
| V1TCDTD-M03 | Softening System        | 9"                 | Downflow        | Not included | Included     |
| V1TCDTE-03  | Softening System        | 10"                | Downflow        | Not included | Not included |
| V1TCDTE-M03 | Softening System        | 10"                | Downflow        | Not included | included     |
| V1TCBTZ-03  | Filter                  | N/A                | Backwash        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1,05" Top Distributor is not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               | 160          |                |

| Certificates       | Manufacturer | Sectors  |
|--------------------|--------------|----------|
| DM174-2004, ACS CE | Clack        | Domestic |



| SPECIFIC                                    |                       | FLOW RATES                                                |           |
|---------------------------------------------|-----------------------|-----------------------------------------------------------|-----------|
| Inlet/Outlet Fittings (to order separately) | ¾" to 1,25" male BSPT | Service $\Delta p$ 1 bar/15 psi drop (includes bypass)    | 6,12 m³/h |
| Cycles                                      | Up to 6               | Backwash $\Delta p$ 1,7 bar/25 psi drop (includes bypass) | 6,12 m³/h |
| Valve Material                              | Noryl or equivalent   | Cv Service                                                | 7,0       |
| Regeneration                                | Downflow or Upflow    | Cv Backwash                                               | 5,4       |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| Distributor Pilot                             | 1,05"                 |
|-----------------------------------------------|-----------------------|
| Drain Line                                    | ¾" or 1" NPT          |
| Brine Line                                    | ¾" or ½" OD Poly Tube |
| Mounting Base                                 | 2 ½" - 8 NPSM         |
| Distributor tube length above pressure vessel | +/- 13 mm             |
| Weight                                        | 2 kg                  |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                   |
|---------------------------|--------------------|-------------------|-------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 6" ÷ 21" diameter |
| Output Voltage            | 15VDC              |                   |                   |
| Output Current            | 500 mA             |                   |                   |

| CYCLES OF OPERATION (Softener Downflow)           |                 |
|---------------------------------------------------|-----------------|
| Backwash 1st (upflow)                             | 3 ÷ 12 minutes  |
| Regenerate Draw/Slow Rinse (downflow)             | 50 ÷ 70 minutes |
| Backwash 2nd (upflow)                             | 3 ÷ 12 minutes  |
| Fast Rinse (downflow)                             | 3 ÷ 8 minutes   |
| Regenerant Refill (in service with treated water) | As Programmed   |
| Service (downflow)                                |                 |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentration of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE TT1EI

### TWIN ALTERNATING CONTROL VALVE

- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- Solid state microprocessor with easy access front panel setting;
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer) and Tank in Service Indication;
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential;
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency;
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service;
- Coin Cell Lithium battery back-up with an 8 hour carry over;
- Level VI 15-volt output DC power supply provides safe and easy installation;
- Control valve design provides optimum service and backwash rates;
- Post treated water regenerant refill;
- Reliable and proven DC drive;
- Certified to NSF/ANSI 44, 61 and 372;
- If you need a different Injector Tank Size, please order separately the relevant Injector and the ref. V4052-01 (Interconnect Kit).

| Ref          | Description          | Fam. | Subfam. | Disp. Stock |  |
|--------------|----------------------|------|---------|-------------|--|
| VTT1EIDME-03 | TT1EI VALVE DN M I-E | 15   | 710     | NO          |  |

| Ref          | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|--------------|-------------------------|----------------------|-----------------|----------|--------------|
| VTT1EIDME-03 | Softening System        | 10"                  | Downflow        | included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1.05" Top Distributors are not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Clack        | Domestic |



## WS1CE CLACK VALVES

### CONTROL VALVE

- Top mount single control valve with programmable multi-language, suited for automatic residential water softening;
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- Solid state microprocessor with easy access front panel settings;
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential;
- Program in ppm, French degrees, German degrees, or cubic meters;
- Fully programmable regeneration cycle sequence (maximum 9);
- Programmable regeneration cycle times;
- Days override feature; 1 - 28 days available;
- Stores system configuration and operation data in non volatile memory;
- Coin Cell Lithium battery back-up with a 8 hours service life and proved drive engine;
- Level VI 15-volt output DC power supply provides safe and easy installation;
- Control valve design provides optimum service and backwash rates;
- Proportion brining available in upflow version;
- Low salt alarm;
- 24-hour clock;
- Customizable text line (company name, phone, other);
- Additional relay and MAV/NHBP outputs for regeneration with water from alternative source;
- Display with backlight (blue).

| Ref.        | Description                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------|------|---------|-------------|--|
| V1CEDME-03  | WS1CE VALVE DN M I-E                | 15   | 704     | OK          |  |
| V1CEDME-M03 | WS1CE VALVE DN M I-E W/MIXING VALVE | 15   | 704     | OK          |  |
| V1CEUME-M03 | WS1CE VALVE UP M I-E W/MIXING VALVE | 15   | 704     | OK          |  |

| Ref.        | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|-------------|-------------------------|--------------------|-----------------|----------|--------------|
| V1CEDME-03  | Softening System        | 10"                | Downflow        | Included | Not included |
| V1CEDME-M03 | Softening System        | 10"                | Downflow        | Included | Included     |
| V1CEUME-M03 | Softening System        | 10"                | Uplfow          | Included | Included     |

- **NOTE:**Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1,05" Top Distributor is not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               | 160          |                |

| Certificates    | Manufacturer | Sectors  |
|-----------------|--------------|----------|
| DM174-2004 , CE | Clack        | Domestic |



| SPECIFIC                                    |                       | FLOW RATES                                                       |           |
|---------------------------------------------|-----------------------|------------------------------------------------------------------|-----------|
| Inlet/Outlet Fittings (to order separately) | ¾" to 1,25" male BSPT | Service $\Delta p$ 15 psi/1 bar drop (includes bypass and meter) | 6,12 m³/h |
| Cycles                                      | Up to 9               | Backwash $\Delta p$ 25 psi/1.7 bar drop (includes bypass)        | 6,12 m³/h |
| Valve Material                              | Noryl or equivalent   | Cv Service                                                       | 7,0       |
| Regeneration                                | Downflow / Upflow     | Cv Backwash                                                      | 5,4       |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER           |                 |                                               |                         |
|-----------------|-----------------|-----------------------------------------------|-------------------------|
| Accuracy        | ± 5%            | Distributor Pilot                             | 1,05"                   |
| Flow Rate Range | 0,95 ÷ 102 lpm  | Drain Line                                    | ¾" or 1" NPT            |
| Volume Range    | 0,02 ÷ 5.700 m³ | Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Totalizer       | 1 - 99.999 m³   | Mounting Base                                 | 2 ½" - 8 NPSM           |
|                 |                 | Distributor tube length above pressure vessel | +/- 13 mm               |
|                 |                 | Weight                                        | 2 kg                    |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                   |
|---------------------------|----------------------|-------------------|-------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz             |                   |                   |
| Output Voltage            | 15VDC                |                   |                   |
| Output Current            | 500 mA               |                   |                   |

| CYCLES OF OPERATION                                                                        |                 |
|--------------------------------------------------------------------------------------------|-----------------|
| Choose up to nine regeneration cycles, in any order, with a wide range of available values |                 |
| Backwash                                                                                   | 1 ÷ 120 minutes |
| Rinse                                                                                      | 1 ÷ 120 minutes |
| Pause (service)                                                                            | 1 ÷ 480 minutes |
| Brine (co-current)                                                                         | 1 ÷ 180 minutes |
| Brine (counter-current)                                                                    | 1 ÷ 180 minutes |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS1CI

### CONTROL VALVE



- Top mount control valve suited for automatic residential water softening or filtration system
- Single valve, available also for twin alternating, twin parallel and multitank systems
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately
- Solid state microprocessor with easy access front panel settings
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1 - 28 days available
- Stores system configuration and operation data in nonvolatile memor
- Coin Cell Lithium battery back-up with a 24 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Mixing valve option available
- Low salt alarm
- 24-hour clock
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

| Ref         | Description                          | Fam. | Subfam. | Disp. Stock |  |
|-------------|--------------------------------------|------|---------|-------------|--|
| V1CIDMC-03  | WS1CI VALVE DN M I-C                 | 15   | 700     | OK          |  |
| V1CIDMC-M03 | WS1CI VALVE DN M I-C W/MIXING VALVE  | 15   | 700     | OK          |  |
| V1CIDMD-M03 | WS1CI VALVE DN M I-D W/MIXING VALVE  | 15   | 700     | OK          |  |
| V1CIDME-03  | WS1CI VALVE DN M I- E                | 15   | 700     | OK          |  |
| V1CIDME-M03 | WS1CI VALVE DN M I- E W/MIXING VALVE | 15   | 700     | OK          |  |
| V1CIUMC-M03 | WS1CI VALVE UP M I-C W/MIXING VALVE  | 15   | 700     | OK          |  |
| V1CIDTE-03  | WS1CI VALVE DN T I-E                 | 15   | 700     | NO          |  |
| V1CIDTE-M03 | WS1CI VALVE DN T I-E W/MIXING VALVE  | 15   | 700     | OK          |  |
| V1CIBMZ-03  | WS1CI VALVE BW M I-Z                 | 15   | 700     | OK          |  |
| V1CIBTZ-03  | WS1CI VALVE BW T I-Z                 | 15   | 700     | OK          |  |

| Certificates       | Manufacturer | Sectors  |
|--------------------|--------------|----------|
| DM174-2004, ACS CE | Clack        | Domestic |



## CLACK VALVE WS1CI

| Ref         | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|-------------|-------------------------|--------------------|-----------------|--------------|--------------|
| V1CIDMC-03  | Softening System        | 8"                 | Downflow        | included     | Not included |
| V1CIDMC-M03 | Softening System        | 8"                 | Downflow        | included     | included     |
| V1CIDMD-M03 | Softening System        | 9"                 | Downflow        | included     | included     |
| V1CIDME-03  | Softening System        | 10"                | Downflow        | included     | Not included |
| V1CIDME-M03 | Softening System        | 10"                | Downflow        | included     | included     |
| V1CIUMC-M03 | Softening System        | 10"                | Upflow          | included     | included     |
| V1CIDTE-03  | Softening System        | 10"                | Downflow        | Not included | Not included |
| V1CIDTE-M03 | Softening System        | 10"                | Downflow        | Not included | included     |
| V1CIBMZ-03  | Filter                  | N/A                | Backwash        | included     | Not included |
| V1CIBTZ-03  | Filter                  | N/A                | Backwash        | Not included | Not included |

- **NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".
- **NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1,05" Top Distributor is not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               | 160          |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Clack        | Domestic |



## CLACK VALVE WS1CI

| SPECIFIC                                    |                       | FLOW RATES                                                       |           |
|---------------------------------------------|-----------------------|------------------------------------------------------------------|-----------|
| Inlet/Outlet Fittings (to order separately) | ¾" to 1,25" male BSPT | Service $\Delta p$ 15 psi/1 bar drop (includes bypass and meter) | 6,12 m³/h |
| Cycles                                      | Up to 9               | Backwash $\Delta p$ 25 psi/1.7 bar drop (includes bypass)        | 6,12 m³/h |
| Valve Material                              | Noryl or equivalent   | Cv Service                                                       | 7,0       |
| Regeneration                                | Downflow or Upflow    | Cv Backwash                                                      | 5,4       |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER           |                 |                                               |                         |
|-----------------|-----------------|-----------------------------------------------|-------------------------|
| Accuracy        | ± 5%            | Distributor Pilot                             | 1,05"                   |
| Flow Rate Range | 0,95 ÷ 102 lpm  | Drain Line                                    | ¾" or 1" NPT            |
| Volume Range    | 0,02 ÷ 5.700 m³ | Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Totalizer       | 1 - 99.999 m³   | Mounting Base                                 | 2 ½" - 8 NPSM           |
|                 |                 | Distributor tube length above pressure vessel | +/- 13 mm               |
|                 |                 | Weight                                        | 2 kg                    |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                   |
|---------------------------|----------------------|-------------------|-------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz             | Water Filter      | 6" ÷ 21" diameter |
| Output Voltage            | 15VDC                |                   |                   |
| Output Current            | 500 mA               |                   |                   |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                   |
|-------------------------------------------------------------------------------------------------------------------|-------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes   |
| Rinse                                                                                                             | 1 ÷ 120 minutes   |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes   |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes   |
| Brine (counter-current)                                                                                           | 1 ÷ 180 minutes   |
| Refill (softener)                                                                                                 | 0,05 ÷ 90,00 kg   |
| Refill (filter)                                                                                                   | 0,2 ÷ 76,0 liters |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE TT1CI

### CONTROL VALVE

- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- Solid state microprocessor with easy access front panel settings
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1 - 28 days available
- Stores system configuration and operation data in nonvolatile memory
- Coin Cell Lithium battery back-up with a 24 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Mixing valve option available
- Low salt alarm
- 24-hour clock
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

If you need a different Injector Tank Size, please order separately the relevant Injector and the ref. V4052-01 (Interconnect Kit)

| Ref          | Description          | Fam. | Subfam. | Disp. Stock |  |
|--------------|----------------------|------|---------|-------------|--|
| VTT1CIDME-03 | TT1CI VALVE DN M I-E | 15   | 700     | OK          |  |

| Ref          | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|--------------|-------------------------|----------------------|-----------------|----------|--------------|
| VTT1CIDME-03 | Softening System        | 10"                  | Downflow        | included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1.05" Top Distributors are not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Clack        | Domestic |



## CLACK VALVE WS1CK

### CONTROL VALVE



- Top-mounted control valve suitable for automatic residential and commercial water softening and filtration systems;
- Single valve, also available for alternating duplex, parallel and multitank systems;
- Transformer, drain line flow control (DLFC) washers, top distributor and accessories not included and to be ordered separately;
- Solid-state microprocessor with multi-colour backlit Dot Matrix display and intuitive programming interface;
- Multilingual programming available (Italian, English, French, Spanish and other languages);
- Energy saving function to reduce power consumption;
- Display of key operating information: days and remaining capacity until next regeneration, time and flow rate;
- Possibility to customize the display with service centre name and contact details;
- Display colour change for quick identification of system operating status;
- Proportional brining for a significant reduction in salt consumption;
- Capable of performing up to 4 regenerations per day;
- Low battery indication;
- Two freely programmable output contacts;
- Dual output for NHWB and/or MAV control;
- Ready for operation with System Controller for management of up to 6 units;
- Regeneration configurable in up-flow or down-flow mode;
- Double backwash feature for maximum operating efficiency;
- Compatible with wet or dry brine tank operation;
- Regenerant refill with treated water for improved brine tank cleanliness;
- Delayed regeneration option with security override;
- Intelligent reserve calculation with security override;
- Diagnostic memory with usage history up to 63 days;
- Historical operating data memory;
- Electronically controlled regeneration with alarm in case of cycle sequence failure;
- Alarm signal to prevent mechanical damage during operation;
- Low salt alarm option.

| Ref         | Description                         | Fam. | Subfam. | Disp. Stock |  |
|-------------|-------------------------------------|------|---------|-------------|--|
| V1CKDME-M03 | WS1CK VALVE DN M I-E W/MIXING VALVE | 15   | 706     | OK          |  |

| Ref         | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|-------------|-------------------------|--------------------|-----------------|----------|--------------|
| V1CKDME-M03 | Softening System        | 10"                | Downflow        | included | included     |

- **NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".
- **NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1,05" Top Distributor is not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               | 160          |                |

| Certificates      | Manufacturer | Sectors  |
|-------------------|--------------|----------|
| DM174-2004 ACS CE | Clack        | Domestic |



| SPECIFIC                                    |                     | FLOW RATES                                                       |          |
|---------------------------------------------|---------------------|------------------------------------------------------------------|----------|
| Inlet/Outlet Fittings (to order separately) | ¾" to 1" male BSPT  | Service $\Delta p$ 15 psi/1 bar drop (includes bypass and meter) | 6,1 m³/h |
| Cycles                                      | Up to 9             | Backwash $\Delta p$ 25 psi/1.7 bar drop (includes bypass)        | 6,1 m³/h |
| Valve Material                              | Noryl or equivalent | Cv Service                                                       | 7,1      |
| Regeneration                                | Downflow or Upflow  | Cv Backwash                                                      | 5,4      |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER           |                |                                               |                         |
|-----------------|----------------|-----------------------------------------------|-------------------------|
| Accuracy        | ± 5%           | Distributor Pilot                             | 1,05"                   |
| Flow Rate Range | 0,95 ÷ 102 lpm | Drain Line                                    | ¾" or 1" NPT            |
| Volume Range    | 0,02 ÷ 2000 m3 | Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Totalizer       | Yes            | Mounting Base                                 | 2 ½" - 8 NPSM           |
|                 |                | Distributor tube length above pressure vessel | +/- 13 mm               |
|                 |                | Weight                                        | 2 kg                    |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                   |
|---------------------------|----------------------|-------------------|-------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz             | Water Filter      | 6" ÷ 21" diameter |
| Output Voltage            | 15VDC                |                   |                   |
| Output Current            | 500 mA               |                   |                   |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Brine (counter-current)                                                                                           | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,05 ÷ 100,00 kg |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS1TT CK

### CONTROL VALVE

- Top-mounted control valve suitable for automatic residential and commercial water softening and filtration systems;
- Single valve for duplex systems;
- Transformer, drain line flow control (DLFC) washers, top distributor and accessories not included and to be ordered separately;
- Solid-state microprocessor with multi-colour backlit Dot Matrix display and intuitive programming interface;
- Multilingual programming available (Italian, English, French, Spanish and other languages);
- Energy saving function to reduce power consumption;
- Display of key operating information: days and remaining capacity until next regeneration, time and flow rate;
- Possibility to customize the display with service centre name and contact details;
- Display colour change for quick identification of system operating status;
- Proportional brining for a significant reduction in salt consumption;
- Capable of performing up to 4 regenerations per day;
- Low battery indication;
- Two freely programmable output contacts;
- Dual output for NHWB and/or MAV control;
- Regeneration configurable in up-flow or down-flow mode;
- Double backwash feature for maximum operating efficiency;
- Compatible with wet or dry brine tank operation;
- Regenerant refill with treated water for improved brine tank cleanliness;
- Delayed regeneration option with security override;
- Intelligent reserve calculation with security override;
- Diagnostic memory with usage history up to 63 days;
- Historical operating data memory;
- Electronically controlled regeneration with alarm in case of cycle sequence failure;
- Alarm signal to prevent mechanical damage during operation;
- Low salt alarm option.

| Ref          | Description          | Fam. | Subfam. | Disp. Stock |  |
|--------------|----------------------|------|---------|-------------|--|
| VTT1CKDME-03 | TT1CK VALVE DN M I-E | 15   | 706     | OK          |  |

| Ref          | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|--------------|-------------------------|--------------------|-----------------|----------|--------------|
| VTT1CKDME-03 | Softening System        | 10"                | Downflow        | included | Not included |

- **NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".
- **NOTE:**Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 1,05" Top Distributor is not included. Please order separately: reference order number AV071.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| CE           | Clack        | Domestic |



| SPECIFIC                                    |                     | FLOW RATES                                                       |           |
|---------------------------------------------|---------------------|------------------------------------------------------------------|-----------|
| Inlet/Outlet Fittings (to order separately) | ¾" to 1" male BSPT  | Service $\Delta p$ 15 psi/1 bar drop (includes bypass and meter) | 6,36 m³/h |
| Cycles                                      | Up to 9             | Backwash $\Delta p$ 25 psi/1.7 bar drop (includes bypass)        | 3,4 m³/h  |
| Valve Material                              | Noryl or equivalent |                                                                  |           |
| Regeneration                                | Downflow or Upflow  |                                                                  |           |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER           |                |                                               |                         |
|-----------------|----------------|-----------------------------------------------|-------------------------|
| Accuracy        | ± 5%           | Distributor Pilot                             | 1,05"                   |
| Flow Rate Range | 0,95 ÷ 102 lpm | Drain Line                                    | ¾" or 1" NPT            |
| Volume Range    | 0,02 ÷ 2000 m3 | Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Totalizer       | Yes            | Mounting Base                                 | 2 ½" - 8 NPSM           |
|                 |                | Distributor tube length above pressure vessel | +/- 13 mm               |
|                 |                | Weight                                        | 7.25 kg                 |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                   |
|---------------------------|----------------------|-------------------|-------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz             | Water Filter      | 6" ÷ 21" diameter |
| Output Voltage            | 15VDC                |                   |                   |
| Output Current            | 500 mA               |                   |                   |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Brine (counter-current)                                                                                           | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,05 ÷ 100,00 kg |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS125TC

### CONTROL VALVE



- Top mount control valve suited for automatic residential water softening or filtration system
- Single valve, available also for twin alternating, twin parallel and multitank systems
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately
- More informative 4 digit LCD Display with Status Indicators
- Solid state microprocessor with easy access front panel setting
- Front panel display for time of day, days until next regeneration
- Days between regeneration feature: 1-99 days standard; 7-day optional
- Double backwash feature offers optimum regeneration, cleaning ability and efficiency
- 10 selectable pre-programmed regeneration cycles
- Coin Cell Lithium battery back-up with a 8 hour carry over
- Auto detection of 50/60 Hz line frequency, with automatic 12/24 hour time keeping formats
- Level VI 15-volt output DC power supply provides safe and easy installation
- Post treated water regenerant refill
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

| Ref          | Description                           | Fam. | Subfam. | Disp. Stock |  |
|--------------|---------------------------------------|------|---------|-------------|--|
| V125CDTE-08  | WS125TC VALVE DN T I-E                | 15   | 750     | NO          |  |
| V125CDTE-M08 | WS125TC VALVE DN T I-E W/MIXING VALVE | 15   | 750     | NO          |  |
| V125CBTZ-08  | WS125TC VALVE BW T I-Z                | 15   | 750     | OK          |  |

| Ref          | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|--------------|-------------------------|----------------------|-----------------|--------------|--------------|
| V125CDTE-08  | Softening System        | 10"                  | Downflow        | Not included | Not included |
| V125CDTE-M08 | Softening System        | 10"                  | Downflow        | Not included | included     |
| V125CBTZ-08  | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:**Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100.32 mm Top Distributor is not included. Please order separately: reference order number V-D1203-03.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 2         |             |               | 96           |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Clack        | Domestic |



## CLACK VALVE WS125TC

| SPECIFIC                                    |                      | FLOW RATES                      |        |
|---------------------------------------------|----------------------|---------------------------------|--------|
| Inlet/Outlet Fittings (to order separately) | 1" to 1,5" male BSPT | Service $\Delta p$ 15 psi drop  | 34 gpm |
| Cycles                                      | 6                    | Backwash $\Delta p$ 25 psi drop | 32 gpm |
| Valve Material                              | Noryl or equivalent  | Cv Service                      | 8,8    |
| Regeneration                                | Downflow             | Cv Backwash                     | 6,4    |

| OPERATING PRESSURES |                  | TEMPERATURA DI ESERCIZIO |            |
|---------------------|------------------|--------------------------|------------|
| Minimum/Maximum     | 20 psi - 125 psi | Minimum/Maximum          | 4° ÷ 43° C |

|                                               |                         |
|-----------------------------------------------|-------------------------|
| Distributor Pilot                             | 32 mm OD Pipe           |
| Drain Line                                    | ¾" or 1" NPT            |
| Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Mounting Base                                 | 2½" 8 NPSM              |
| Distributor tube length above pressure vessel | +6 / - 13 mm            |
| Weight                                        | 2 kg                    |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                   |
|---------------------------|----------------------|-------------------|-------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz             | Water Filter      | 6" ÷ 24" diameter |
| Output Voltage            | 15VDC                |                   |                   |
| Output Current            | 500 mA               |                   |                   |

| CYCLES OF OPERATION (Softener Downflow)           |                 |
|---------------------------------------------------|-----------------|
| Backwash 1st(upflow)                              | 3 ÷ 12 minutes  |
| Regenerate Draw/Slow Rinse (downflow)             | 50 ÷ 70 minutes |
| Backwash 2nd (upflow)                             | 3 ÷ 12 minutes  |
| Fast Rinse (downflow)                             | 3 ÷ 8 minutes   |
| Regenerant Refill (in service with treated water) | As Programmed   |
| Service (downflow)                                |                 |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentration of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS125CI

### CONTROL VALVE



- Top mount control valve suited for automatic residential water softening or filtration system
- Single valve, available also for twin alternating, twin parallel and multitank systems
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately
- Solid state microprocessor with easy access front panel settings.
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1 - 28 days available
- Stores system configuration and operation data in nonvolatile memory
- Coin Cell Lithium battery back-up with a 24 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Mixing valve option available
- Low salt alarm
- 24-hour clock
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 37

| Ref           | Description                           | Fam. | Subfam. | Disp. Stock |  |
|---------------|---------------------------------------|------|---------|-------------|--|
| V125CIDME-08  | WS125CI VALVE DN M I-E                | 15   | 730     | OK          |  |
| V125CIDME-M08 | WS125CI VALVE DN M I-E W/MIXING VALVE | 15   | 730     | OK          |  |
| V125CIDTE-M08 | WS125CI VALVE DN T I-E W/MIXING VALVE | 15   | 730     | NO          |  |
| V125CIDTF-08  | WS125CI VALVE DN T I-F                | 15   | 730     | NO          |  |
| V125CIBTZ-08  | WS125CI VALVE BW T I-Z                | 15   | 730     | OK          |  |



## CLACK VALVE WS125CI

| Ref.          | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|---------------|-------------------------|----------------------|-----------------|--------------|--------------|
| V125CIDME-08  | Softening System        | 10"                  | Downflow        | Included     | Not included |
| V125CIDME-M08 | Softening System        | 10"                  | Downflow        | Included     | Included     |
| V125CIDTE-M08 | Softening System        | 10"                  | Downflow        | Not included | Included     |
| V125CIDTF-08  | Softening System        | 12"                  | Downflow        | Not included | Not included |
| V125CIBTZ-08  | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 32 mm Top Distributor is not included. Please order separately: reference order number V-D1203-03.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 2         |             |               | 96           |                |

| Certificates        | Manufacturer | Sectors  |
|---------------------|--------------|----------|
| DM174-2004, ACS, CE | Clack        | Domestic |



## CLACK VALVE WS125CI

| SPECIFIC                                    |                        | FLOW RATES                                            |                       |
|---------------------------------------------|------------------------|-------------------------------------------------------|-----------------------|
| Inlet/Outlet Fittings (to order separately) | Da 1" a 1,5" male BSPT | Service $\Delta p$ 15 psi/1 bar drop (includes meter) | 7,7 m <sup>3</sup> /h |
| Cycles                                      | Up to 9                | Backwash $\Delta p$ 25 psi/1.7 bar drop               | 7,3 m <sup>3</sup> /h |
| Valve Material                              | Noryl or equivalent    | CV Service                                            | 8,8                   |
| Regeneration                                | Downflow or Upflow     | CV Backwash                                           | 6,4                   |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER            |                             |                                               |                         |
|------------------|-----------------------------|-----------------------------------------------|-------------------------|
| Accuracy         | ± 5%                        | Distributor Pilot                             | 32 mm OD Pipe           |
| Flow Rate Range. | 0,95 ÷ 129 lpm              | Drain Line                                    | ¾" or 1" NPT            |
| Volume Range     | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Totalizer        | 1 - 99.999 m <sup>3</sup>   | Mounting Base                                 | 2½" 8 NPSM              |
|                  |                             | Distributor tube length above pressure vessel | +6 / -13 mm             |
|                  |                             | Weight                                        | 2 kg                    |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                   |
|---------------------------|--------------------|-------------------|-------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 6" ÷ 24" diameter |
| Output Voltage            | 15VDC              |                   |                   |
| Output Current            | 500 mA             |                   |                   |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values: |                   |
|--------------------------------------------------------------------------------------------------------------------|-------------------|
| Backwash                                                                                                           | 1 ÷ 120 minutes   |
| Rinse                                                                                                              | 1 ÷ 120 minutes   |
| Pause (service)                                                                                                    | 1 ÷ 480 minutes   |
| Brine (co-current)                                                                                                 | 1 ÷ 180 minutes   |
| Brine (counter-current)                                                                                            | 1 ÷ 180 minutes   |
| Refill (softener)                                                                                                  | 0,05 ÷ 90,00 kg   |
| Refill (filter)                                                                                                    | 0,2 ÷ 76,0 liters |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS125CK

### CONTROL VALVE



- Top-mounted control valve suitable for automatic residential and commercial water softening and filtration systems;
- Single valve, also available for alternating duplex, parallel and multitank systems;
- Transformer, drain line flow control (DLFC) washers, top distributor and accessories not included and to be ordered separately;
- Solid-state microprocessor with multi-colour backlit Dot Matrix display and intuitive programming interface;
- Multilingual programming available (Italian, English, French, Spanish and other languages);
- Energy saving function to reduce power consumption;
- Display of key operating information: days and remaining capacity until next regeneration, time and flow rate;
- Possibility to customize the display with service centre name and contact details;
- Display colour change for quick identification of system operating status;
- Proportional brining for a significant reduction in salt consumption;
- Capable of performing up to 4 regenerations per day;
- Low battery indication;
- Two freely programmable output contacts;
- Dual output for NHWB and/or MAV control;
- Ready for operation with System Controller for management of up to 6 units;
- Regeneration configurable in up-flow or down-flow mode;
- Double backwash feature for maximum operating efficiency;
- Compatible with wet or dry brine tank operation;
- Regenerant refill with treated water for improved brine tank cleanliness;
- Delayed regeneration option with security override;
- Intelligent reserve calculation with security override;
- Diagnostic memory with usage history up to 63 days;
- Historical operating data memory;
- Electronically controlled regeneration with alarm in case of cycle sequence failure;
- Alarm signal to prevent mechanical damage during operation;
- Low salt alarm option.

| Ref           | Description                           | Fam. | Subfam. | Disp. Stock |  |
|---------------|---------------------------------------|------|---------|-------------|--|
| V125CKDME-M08 | WS125CK VALVE DN M I-E W/MIXING VALVE | 15   | 736     | OK          |  |

| Ref           | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|---------------|-------------------------|--------------------|-----------------|----------|--------------|
| V125CKDME-M08 | Softening System        | 10"                | Downflow        | included | included     |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 32 mm Top Distributor is not included. Please order separately: reference order number V-D1203-03.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 4         |             |               | 160          |                |

| Certificates | Manufacturer | Sectors              |
|--------------|--------------|----------------------|
| CE           | Clack        | Domestic, Commercial |



| SPECIFIC                                    |                      | FLOW RATES                                                       |                       |
|---------------------------------------------|----------------------|------------------------------------------------------------------|-----------------------|
| Inlet/Outlet Fittings (to order separately) | 1" to 1,5" male BSPT | Service $\Delta p$ 15 psi/1 bar drop (includes bypass and meter) | 7,7 m <sup>3</sup> /h |
| Cycles                                      | Up to 9              | Backwash $\Delta p$ 25 psi/1.7 bar drop (includes bypass)        | 7,3 m <sup>3</sup> /h |
| Valve Material                              | Noryl or equivalent  | Cv Service                                                       | 8,8                   |
| Regeneration                                | Downflow or Upflow   | Cv Backwash                                                      | 6,4                   |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER           |                            |                                               |                         |
|-----------------|----------------------------|-----------------------------------------------|-------------------------|
| Accuracy        | ± 5%                       | Distributor Pilot                             | 32 mm                   |
| Flow Rate Range | 0,95 ÷ 129 lpm             | Drain Line                                    | ¾" or 1" NPT            |
| Volume Range    | 0,02 ÷ 2000 m <sup>3</sup> | Brine Line                                    | 3/8" or ½" OD Poly Tube |
| Totalizer       | Yes                        | Mounting Base                                 | 2 ½" - 8 NPSM           |
|                 |                            | Distributor tube length above pressure vessel | +/- 13 mm               |
|                 |                            | Weight                                        | 2 kg                    |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                   |
|---------------------------|----------------------|-------------------|-------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 6" ÷ 21" diameter |
| Supply Frequency          | 50/60 Hz             | Water Filter      | 6" ÷ 24" diameter |
| Output Voltage            | 15VDC                |                   |                   |
| Output Current            | 500 mA               |                   |                   |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Brine (counter-current)                                                                                           | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,05 ÷ 100,00 kg |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS15CI P

### CONTROL VALVE

- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- 1.5" top mount control valve suited for mid-size commercial/industrial applications;
- Valve body in Noryl plastic material or equivalent;
- Economical optional meter;
- Solid state microprocessor with easy access front panel settings;
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer);
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential;
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency;
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining or upflow brining, slow rinse, second backwash, fast rinse, refill and downflow service;
- Coin Cell Lithium battery back-up with a 8 hour carry over;
- Level VI 15-volt output DC power supply provides safe and easy installation;
- Post treated water regenerant refill;
- 24 hour clock;
- Reliable and proven DC drive;
- Certified to NSF/ANSI 44, 61 and 372;
- If you need a different size of tank, please order separately the specific injector.

| Ref          | Description                   | Fam. | Subfa m. | Disp. Stock |  |
|--------------|-------------------------------|------|----------|-------------|--|
| VP15CIDTG-05 | WS15CI PLASTIC VALVE DN T I-G | 25   | 801      | OK          |  |
| VP15CIBTZ-05 | WS15CI PLASTIC VALVE BW T I-Z | 25   | 801      | OK          |  |

| Certificates      | Manufacturer | Sectors                |
|-------------------|--------------|------------------------|
| DM174-2004 ACS CE | Clack        | Commercial, Industrial |

| Ref          | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|--------------|-------------------------|----------------------|-----------------|--------------|--------------|
| VP15CIDTG-05 | Softening System        | 21"                  | Downflow        | Not included | Not included |
| VP15CIBTZ-05 | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For 3/4" drain fitting (V3158-04), Flow rates 0.07 - 10.0 gpm: reference order numbers V3162-007 through V3162-100. For 1" drain fitting (V3008-05), Flow rates 9.0 - 25.0 gpm: reference order numbers V3190-090 through V3190-250. For 1.25" x 1.5" drain fittings (V3079BSPT), Flow rates 9 to 85 gpm: reference order numbers V3162-007 through V3162-100, and V3190-090 through V3190-250. 50 mm Top Distributor is not included. Please order separately: reference order number V-D1199-11.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

### Specific accessories

| Ref          | Description                               | Fam. | Subfa m. | Disp. Stock |  |
|--------------|-------------------------------------------|------|----------|-------------|--|
| V3045BSPT    | WS15P METER ASSEMBLY BSPT 28" METER CABLE | 25   | 850      | OK          |  |
| V3045BSPT-15 | WS15P METER ASSEMBLY BSPT 15' METER CABLE | 25   | 850      | OK          |  |
| V3034        | WS15 PLASTIC MOTORIZED ALTERNATING VALVE  | 25   | 850      | OK          |  |
| V3035        | WS15 PLASTIC NO HARD WATER BYPASS VALVE   | 25   | 850      | OK          |  |
| V4430-02     | WS15P FITTING ASSEMBLY QC TO BSPT         | 25   | 850      | OK          |  |
| V4430-03     | WS15P FITTING ASSEMBLY QC TO QC           | 25   | 850      | OK          |  |
| V4430-08     | WS15P FITTING ASSEMBLY QC TO BSPT ELBOW   | 25   | 850      | OK          |  |
| V4430-09     | WS15P FITTING ASSEMBLY QC TO QC ELBOW     | 25   | 850      | OK          |  |
| V4430-04BSPT | WS1.5 PLASTIC DRAIN ELBOW & DLFC RETAINER | 25   | 860      | OK          |  |
| V4350-15Z    | WS1.5 PLASTIC INJECTOR FEED PLUG          | 25   | 860      | NO          |  |



## CLACK VALVE WS15CI P

| SPECIFIC       |                     | CONTROL VALVE FLOW RATES                              |                        |
|----------------|---------------------|-------------------------------------------------------|------------------------|
| Inlet/Outlet   | 1,5" female BSPT    | Service $\Delta p$ 1 bar/15 psi drop (includes meter) | 13,6 m <sup>3</sup> /h |
| Cycles         | up to 9             | Backwash $\Delta p$ 1.7/25 psi bar drop               | 9,8 m <sup>3</sup> /h  |
| Valve Material | Noryl or equivalent |                                                       |                        |
| Regeneration   | Downflow or Upflow  |                                                       |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                                   |                                               |                                               |
|----------------------|-----------------------------------|-----------------------------------------------|-----------------------------------------------|
| Accuracy             | ± 5%                              | Distributor Pilot                             | 50 mm                                         |
| Flow Rate Range      | 2 ÷ 248 lpm                       | Drain Line Connection Adapter Included        | 1.25" Female NPT 3/4" Male NPT Elbow          |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup>       | Brine Line Connection Adapter Included        | 3/4" Female NPT 1/2" OD Poly Tube Compression |
| Totalizer            | 0,001 - 4.294..000 m <sup>3</sup> | Mounting Base                                 | 4" - 8 UN                                     |
|                      |                                   | Distributor tube length above pressure vessel | +/- 13 mm                                     |
|                      |                                   | Shipping Weight With Meter                    | 4,1 kg                                        |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 30" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 30" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION                               |                               |
|---------------------------------------------------|-------------------------------|
| Backwash 1st (upflow)                             | 1 ÷ 95 minutes - Backwash 1-9 |
| Regenerate Draw/Slow Rinse (downflow)             | 1 ÷ 180 minutes - Rinse 1-9   |
| Backwash 2nd (upflow)                             | 1 ÷ 95 minutes                |
| Fast Rinse (downflow)                             | 1 ÷ 95 minutes                |
| Regenerant Refill (in service with treated water) | 0,1 ÷ 99 minutes              |
| Service (downflow)                                |                               |

Options: Backwash Filter. Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.



## CLACK VALVE WS15CI

### CONTROL VALVE



- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately
- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- Epoxy coated lead free brass valve body;
- Economical stainless steel optional meter assembly
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining and current flow
- Four methods to initiate the downflow regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1-28 days available
- Level VI 15-volt output DC power supply provides safe and easy installation
- Pre or Post treated water regenerant refill;
- Low salt alarm
- 24 hour clock
- Coin Cell Lithium battery back-up with a 24 hour carry over
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

| Ref.        | Description           | Fam. | Subfam. | Disp. Stock |  |
|-------------|-----------------------|------|---------|-------------|--|
| V15CIDMG-05 | WS15CI VALVE DN M I-G | 25   | 800     | OK          |  |
| V15CIDTG-05 | WS15CI VALVE DN T I-G | 25   | 800     | OK          |  |
| V15CIBTZ-05 | WS15CI VALVE BW T I-Z | 25   | 800     | OK          |  |

| Ref.        | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|-------------|-------------------------|----------------------|-----------------|--------------|--------------|
| V15CIDMG-05 | Softening System        | 21"                  | Downflow        | included     | Not included |
| V15CIDTG-05 | Softening System        | 21"                  | Downflow        | Not included | Not included |
| V15CIBTZ-05 | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For 3/4" drain fitting (V3158-04), Flow rates 0.07 - 10.0 gpm: reference order numbers V3162-007 through V3162-100. For 1" drain fitting (V3008-05), Flow rates 9.0 - 25.0 gpm: reference order numbers V3190-090 through V3190-250. For 1.25" x 1.5" drain fittings (V3079BSPT), Flow rates 9 to 85 gpm: reference order numbers V3162-007 through V3162-100, and V3190-090 through V3190-250. 50 mm Top Distributor is not included. Please order separately: reference order numbers V-D1199-11 or V-D1300.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates          | Manufacturer | Sectors                |
|-----------------------|--------------|------------------------|
| DM174-2004 , ACS , CE | Clack        | Commercial, Industrial |



## CLACK VALVE WS15CI

| SPECIFIC       |                    | CONTROL VALVE FLOW RATES                              |                        |
|----------------|--------------------|-------------------------------------------------------|------------------------|
| Inlet/Outlet   | 1,5" female BSPT   | Service $\Delta p$ 1 bar/15 psi drop (includes meter) | 15,9 m <sup>3</sup> /h |
| Cycles         | Up to 9            | Backwash $\Delta p$ 1.7 bar/25 psi drop               | 11,8 m <sup>3</sup> /h |
| Valve Material | Lead free brass    |                                                       |                        |
| Regeneration   | Downflow or Upflow |                                                       |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                             |                                               |                                               |
|----------------------|-----------------------------|-----------------------------------------------|-----------------------------------------------|
| Accuracy             | ± 5%                        | Distributor Pilot                             | 50 mm                                         |
| Flow Rate Range      | 2 ÷ 248 lpm                 | Drain Line Connection Adapter Included.       | 1.25" Female NPT 3/4" Male NPT Elbow          |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line Connection Adapter Included        | 3/4" Female NPT 1/2" OD Poly Tube Compression |
| Totalizer            | 1 - 99.000 m <sup>3</sup>   | Mounting Base                                 | 4" - 8 UN                                     |
|                      |                             | Distributor tube length above pressure vessel | +/- 13 mm                                     |
|                      |                             | Shipping Weight With Meter                    | 9,5 kg                                        |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 30" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 30" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values: |                                 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Backwash                                                                                                           | 1 ÷ 120 minutes                 |
| Rinse                                                                                                              | 1 ÷ 480 minutes                 |
| Pause (service).                                                                                                   | 1 ÷ 180 minutes                 |
| Brine (co-current)                                                                                                 | 0,1 ÷ 180 minutes               |
| Refill (softener)                                                                                                  | 0,05 ÷ 90,00 kg/.1 - 99 minutes |
| Refill (filter)                                                                                                    | 0,2 ÷ 76,0 liters               |

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.



## CLACK VALVE WS15CK P

### CONTROL VALVE



- Top-mounted control valve suitable for automatic residential and commercial water softening and filtration systems;
- Single valve, also available for alternating duplex, parallel and multitank systems;
- Transformer, drain line flow control (DLFC) washers, top distributor and accessories not included and to be ordered separately;
- Solid-state microprocessor with multi-colour backlit Dot Matrix display and intuitive programming interface;
- Multilingual programming available (Italian, English, French, Spanish and other languages);
- Energy saving function to reduce power consumption;
- Display of key operating information: days and remaining capacity until next regeneration, time and flow rate;
- Possibility to customize the display with service centre name and contact details;
- Display colour change for quick identification of system operating status;
- Proportional brining for a significant reduction in salt consumption;
- Capable of performing up to 4 regenerations per day;
- Low battery indication;
- Two freely programmable output contacts;
- Dual output for NHWB and/or MAV control;
- Ready for operation with System Controller for management of up to 6 units;
- Regeneration configurable in up-flow or down-flow mode;
- Double backwash feature for maximum operating efficiency;
- Compatible with wet or dry brine tank operation;
- Regenerant refill with treated water for improved brine tank cleanliness;
- Delayed regeneration option with security override;
- Intelligent reserve calculation with security override;
- Diagnostic memory with usage history up to 63 days;
- Historical operating data memory;
- Electronically controlled regeneration with alarm in case of cycle sequence failure;
- Alarm signal to prevent mechanical damage during operation;
- Low salt alarm option.

| Ref          | Description                   | Fam. | Subfam. | Disp. Stock |  |
|--------------|-------------------------------|------|---------|-------------|--|
| VP15CKDTG-05 | WS15CK PLASTIC VALVE DN T I-G | 25   | 804     | OK          |  |

| Ref          | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|--------------|-------------------------|--------------------|-----------------|----------|--------------|
| VP15CKDTG-05 | Softening System        | 21"                | Downflow        | included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For 3/4" drain fitting (V3158-04), Flow rates 0.07 - 10.0 gpm: reference order numbers V3162-007 through V3162-100. For 1" drain fitting (V3008-05), Flow rates 9.0 - 25.0 gpm: reference order numbers V3190-090 through V3190-250. For 1.25" x 1.5" drain fittings (V3079BSPT), Flow rates 9 to 85 gpm: reference order numbers V3162-007 through V3162-100, and V3190-090 through V3190-250. 50 mm Top Distributor is not included. Please order separately: reference order number V-D1199-11.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                          |
|--------------|--------------|----------------------------------|
| CE           | Clack        | Domestic, Commercial, Industrial |

### Specific accessories

| Ref          | Description                               | Fam. | Subfam. | Disp. Stock |  |
|--------------|-------------------------------------------|------|---------|-------------|--|
| V3045BSPT    | WS15P METER ASSEMBLY BSPT 28" METER CABLE | 25   | 850     | OK          |  |
| V3045BSPT-15 | WS15P METER ASSEMBLY BSPT 15' METER CABLE | 25   | 850     | OK          |  |
| V3034        | WS15 PLASTIC MOTORIZED ALTERNATING VALVE  | 25   | 850     | OK          |  |
| V3035        | WS15 PLASTIC NO HARD WATER BYPASS VALVE   | 25   | 850     | OK          |  |
| V4430-02     | WS15P FITTING ASSEMBLY QC TO BSPT         | 25   | 850     | OK          |  |
| V4430-03     | WS15P FITTING ASSEMBLY QC TO QC           | 25   | 850     | OK          |  |
| V4430-08     | WS15P FITTING ASSEMBLY QC TO BSPT ELBOW   | 25   | 850     | OK          |  |
| V4430-09     | WS15P FITTING ASSEMBLY QC TO QC ELBOW     | 25   | 850     | OK          |  |
| V4430-04BSPT | WS1.5 PLASTIC DRAIN ELBOW & DLFC RETAINER | 25   | 860     | OK          |  |
| V4350-15Z    | WS1.5 PLASTIC INJECTOR FEED PLUG          | 25   | 860     | NO          |  |



| SPECIFIC                                    |                     | FLOW RATES                                                       |                        |
|---------------------------------------------|---------------------|------------------------------------------------------------------|------------------------|
| Inlet/Outlet Fittings (to order separately) | 1,5" female BSPT    | Service $\Delta p$ 15 psi/1 bar drop (includes bypass and meter) | 13,6 m <sup>3</sup> /h |
| Cycles                                      | Up to 9             | Backwash $\Delta p$ 25 psi/1.7 bar drop (includes bypass)        | 9,8 m <sup>3</sup> /h  |
| Valve Material                              | Noryl or equivalent |                                                                  |                        |
| Regeneration                                | Downflow or Upflow  |                                                                  |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER           |                             |                                               |                                               |
|-----------------|-----------------------------|-----------------------------------------------|-----------------------------------------------|
| Accuracy        | ± 5%                        | Distributor Pilot                             | 50 mm                                         |
| Flow Rate Range | 2 ÷ 284 lpm                 | Drain Line                                    | 1.25" Female NPT 3/4" Male NPT Elbow          |
| Volume Range    | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line                                    | 3/4" Female NPT 1/2" OD Poly Tube Compression |
| Totalizer       | Yes                         | Mounting Base                                 | 4" - 8 NPSM                                   |
|                 |                             | Distributor tube length above pressure vessel | +/- 13 mm                                     |
|                 |                             | Weight                                        | 4,1 kg                                        |

| ELECTRICAL SPECIFICATIONS |                      | TANK APPLICATIONS |                    |
|---------------------------|----------------------|-------------------|--------------------|
| Supply Voltage            | da 200V AC a 240V AC | Water Softener    | 12" ÷ 30" diameter |
| Supply Frequency          | 50/60 Hz             | Water Filter      | 12" ÷ 30" diameter |
| Output Voltage            | 15VDC                |                   |                    |
| Output Current            | 500 mA               |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Brine (counter-current)                                                                                           | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,05 ÷ 100,00 kg |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS15TT

### CONTROL VALVE

- Top-mount control valve suitable for residential automatic system softener or filter;
- Valve suitable for duplex alternating system with flowmeter included;
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- Solid state microprocessor with easy access front panel settings;
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential;
- Program in ppm, French degrees, German degrees, or cubic meters;
- Fully programmable regeneration cycle sequence (maximum 9);
- Programmable regeneration cycle times;
- Days override feature; 1 - 28 days available;
- Stores system configuration and operation data in nonvolatile memory;
- Coin Cell Lithium battery back-up with a 8 hour carry over;
- Level VI 15-volt output DC power supply provides safe and easy installation;
- Control valve design provides optimum service and backwash rates;
- Pre or Post treated water regenerant refill;
- Mixing valve option available;
- Low salt alarm;
- 24-hour clock;
- Reliable and proven DC drive;
- Certified to NSF/ANSI 44, 61 and 372.

| Ref          | Description                   | Fam. | Subfam. | Disp. Stock |  |
|--------------|-------------------------------|------|---------|-------------|--|
| VT15CIDME-05 | TT15CI PLASTIC VALVE DN M I-E | 25   | 800     | OK          |  |

| Ref          | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|--------------|-------------------------|----------------------|-----------------|----------|--------------|
| VT15CIDME-05 | Softening System        | 16"                  | Downflow        | included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 50 mm Top Distributors are not included. Please order separately: ref. order number V-D1199-11.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| CE           | Clack        | Commercial, Industrial |

### Specific accessories

| Ref          | Description                               | Fam. | Subfam. | Disp. Stock |  |
|--------------|-------------------------------------------|------|---------|-------------|--|
| V4430-02     | WS15P FITTING ASSEMBLY QC TO BSPT         | 25   | 850     | OK          |  |
| V4430-03     | WS15P FITTING ASSEMBLY QC TO QC           | 25   | 850     | OK          |  |
| V4430-08     | WS15P FITTING ASSEMBLY QC TO BSPT ELBOW   | 25   | 850     | OK          |  |
| V4430-09     | WS15P FITTING ASSEMBLY QC TO QC ELBOW     | 25   | 850     | OK          |  |
| V4430-04BSPT | WS1.5 PLASTIC DRAIN ELBOW & DLFC RETAINER | 25   | 860     | OK          |  |
| V4350-15Z    | WS1.5 PLASTIC INJECTOR FEED PLUG          | 25   | 860     | NO          |  |



## CLACK VALVES WS15TT

| SPECS          |                     | CONTROL VALVE FLOW RATES                              |                        |
|----------------|---------------------|-------------------------------------------------------|------------------------|
| Inlet/Outlet   | 1,5" female BSPT    | Service $\Delta p$ 1 bar/15 psi drop (includes meter) | 12,3 m <sup>3</sup> /h |
| Cycles         | up to 6             | Backwash $\Delta p$ 1.7/25 psi bar drop               | 4,9 m <sup>3</sup> /h  |
| Valve Material | Noryl or equivalent |                                                       |                        |
| Regeneration   | Downflow or Upflow  |                                                       |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                                  |                                               |                               |
|----------------------|----------------------------------|-----------------------------------------------|-------------------------------|
| Accuracy             | ± 5%                             | Distributor Pilot                             | 50 mm                         |
| Flow Rate Range      | 2 ÷ 248 lpm                      | Drain Line Connection                         | 1.5" Female BSPT              |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup>      | Brine Line Connection                         | 1.5" OD poly tube compression |
| Totalizer            | 0,001 - 4.294.000 m <sup>3</sup> | Mounting Base                                 | 4" - 8 UN                     |
|                      |                                  | Distributor tube length above pressure vessel | +/- 13 mm                     |
|                      |                                  | Shipping Weight With Meter                    | 8,2 kg                        |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 24" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 18" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION                               |                                |
|---------------------------------------------------|--------------------------------|
| Backwash 1st (upflow)                             | 1 ÷ 120 minutes - Backwash 1-9 |
| Regenerate Draw/Slow Rinse (downflow)             | 1 ÷ 180 minutes - Rinse 1-9    |
| Backwash 2nd (upflow)                             | 1 ÷ 180 minutes                |
| Fast Rinse (downflow)                             | 1 ÷ 120 minutes                |
| Regenerant Refill (in service with treated water) | 0,05 ÷ 90 kg                   |
| Service (downflow)                                |                                |

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.



## CLACK VALVE WS15TT CK

### CONTROL VALVE

- Top-mounted control valve suitable for automatic residential and commercial water softening and filtration systems;
- Single valve for duplex systems;
- Transformer, drain line flow control (DLFC) washers, top distributor and accessories not included and to be ordered separately;
- Solid-state microprocessor with multi-colour backlit Dot Matrix display and intuitive programming interface;
- Multilingual programming available (Italian, English, French, Spanish and other languages);
- Energy saving function to reduce power consumption;
- Display of key operating information: days and remaining capacity until next regeneration, time and flow rate;
- Possibility to customize the display with service centre name and contact details;
- Display colour change for quick identification of system operating status;
- Proportional brining for a significant reduction in salt consumption;
- Capable of performing up to 4 regenerations per day;
- Low battery indication;
- Two freely programmable output contacts;
- Dual output for NHWB and/or MAV control;
- Regeneration configurable in up-flow or down-flow mode;
- Double backwash feature for maximum operating efficiency;
- Compatible with wet or dry brine tank operation;
- Regenerant refill with treated water for improved brine tank cleanliness;
- Delayed regeneration option with security override;
- Intelligent reserve calculation with security override;
- Diagnostic memory with usage history up to 63 days;
- Historical operating data memory;
- Electronically controlled regeneration with alarm in case of cycle sequence failure;
- Alarm signal to prevent mechanical damage during operation;
- Low salt alarm option.

| Ref          | Description                   | Fam. | Subfam. | Disp. Stock |  |
|--------------|-------------------------------|------|---------|-------------|--|
| VT15CKDME-05 | TT15CK PLASTIC VALVE DN M I-E | 25   | 804     | OK          |  |

| Ref          | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter    | Mixing Valve |
|--------------|-------------------------|--------------------|-----------------|----------|--------------|
| VT15CKDME-05 | Softening System        | 16"                | Downflow        | included | Not included |

**NOTE:**Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately: reference order number V3162-007 through V3162-100. 50 mm Top Distributors are not included. Please order separately: ref. order number V-D1199-11.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| CE           | Clack        | Commercial, Industrial |



| SPECS          |                     | CONTROL VALVE FLOW RATES                              |                        |
|----------------|---------------------|-------------------------------------------------------|------------------------|
| Inlet/Outlet   | 1,5" female BSPT    | Service $\Delta p$ 1 bar/15 psi drop (includes meter) | 12,3 m <sup>3</sup> /h |
| Cycles         | up to 9             | Backwash $\Delta p$ 1.7/25 psi bar drop               | 4,9 m <sup>3</sup> /h  |
| Valve Material | Noryl or equivalent |                                                       |                        |
| Regeneration   | Downflow or Upflow  |                                                       |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                             |                                               |                               |
|----------------------|-----------------------------|-----------------------------------------------|-------------------------------|
| Accuracy             | ± 5%                        | Distributor Pilot                             | 50 mm                         |
| Flow Rate Range      | 2 ÷ 248 lpm                 | Drain Line Connection                         | 1.5" Female BSPT              |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line Connection                         | 1.5" OD poly tube compression |
| Totalizer            | Yes                         | Mounting Base                                 | 4" - 8 UN                     |
|                      |                             | Distributor tube length above pressure vessel | +/- 13 mm                     |
|                      |                             | Shipping Weight With Meter                    | 8,2 kg                        |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 24" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 18" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION                               |                                |
|---------------------------------------------------|--------------------------------|
| Backwash 1st (upflow)                             | 1 ÷ 120 minutes - Backwash 1-9 |
| Regenerate Draw/Slow Rinse (downflow)             | 1 ÷ 180 minutes - Rinse 1-9    |
| Backwash 2nd (upflow)                             | 1 ÷ 180 minutes                |
| Fast Rinse (downflow)                             | 1 ÷ 120 minutes                |
| Regenerant Refill (in service with treated water) | 0,05 ÷ 100 kg                  |
| Service (downflow)                                |                                |

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.



## CLACK VALVE WS2CI

### CONTROL VALVE



- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately
- 2" Top mount control valve suited for commercial/industrial applications
- Epoxy coated lead free brass valve body
- Economical stainless steel optional meter assembly
- Solid state microprocessor with easy access front panel settings Front panel display for time of day, days until next regeneration, volume remaining and current flow rate
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1-28 days available
- Coin Cell Lithium battery back-up with an 24 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Pre or Post treated water regenerant refill
- 24 Hour Clock
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

| Ref.       | Description          | Fam. | Subfam. | Disp. Stock |  |
|------------|----------------------|------|---------|-------------|--|
| V2CIDMD-05 | WS2CI VALVE DN M I-D | 25   | 820     | OK          |  |
| V2CIDTC-05 | WS2CI VALVE DN T I-C | 25   | 820     | OK          |  |
| V2CIDTD-05 | WS2CI VALVE DN T I-D | 25   | 820     | OK          |  |
| V2CIBTZ-05 | WS2CI VALVE BW T I-Z | 25   | 820     | OK          |  |



## CLACK VALVE WS2CI

| Ref.       | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|------------|-------------------------|----------------------|-----------------|--------------|--------------|
| V2CIDMD-05 | Softening System        | 30"                  | Downflow        | included     | Not included |
| V2CIDTC-05 | Softening System        | 24"                  | Downflow        | Not included | Not included |
| V2CIDTD-05 | Softening System        | 30"                  | Downflow        | Not included | Not included |
| V2CIBTZ-05 | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For 3/4" drain fitting (V3158-04), Flow rates 0.07 - 10.0 gpm: reference order numbers V3162-007 through V3162-100. For 1" drain fitting (V3008-05), Flow rates 9.0 - 25.0 gpm: reference order numbers V3190-090 through V3190-250. For 1.5" x 1.5" drain fittings (V3080BSPT), Flow rates 9 to 85 gpm: reference order numbers V3162-007 through V3162-100, and V3190-090 through V3190-250. 50 mm Top Distributor is not included. Please order separately: reference order numbers V-D1199-11 or V-D1300.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| ACS CE       | Clack        | Commercial, Industrial |



## CLACK VALVE WS2CI

| SPECIFIC       |                    | CONTROL VALVE FLOW RATES                |                        |
|----------------|--------------------|-----------------------------------------|------------------------|
| Inlet/Outlet   | 2 female BSPT      | Service $\Delta p$ 1 bar/15 psi drop    | 26,1 m <sup>3</sup> /h |
| Cycles         | Up to 9            | Backwash $\Delta p$ 1.7 bar/25 psi drop | 18,2 m <sup>3</sup> /h |
| Valve Material | Lead free brass    | Cv Service                              | 29,7                   |
| Regeneration   | Downflow or Upflow | Cv Backwash                             | 16,0                   |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                             |                                               |                                                                                   |
|----------------------|-----------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------|
| Accuracy             | ± 5%                        | Distributor Pilot                             | 50 mm OD                                                                          |
| Flow Rate Range      | 5,7 ÷ 568 lpm               | Drain line connection                         | 1,5" Female NPT                                                                   |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line Adapters Included                  | 1" Male NPT elbow, 3/4" x 1" solvent weld elbow and 1/2" OD Poly Tube Compression |
| Totalizer            | 1 - 99.999 m <sup>3</sup>   | Mounting Base                                 | 4" - 8 UN                                                                         |
|                      |                             | Distributor tube length above pressure vessel | +/- 13 mm                                                                         |
|                      |                             | Shipping Weight With Meter                    | 13 kg                                                                             |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 48" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 36" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,1 ÷ 99 minutes |
| Refill (filter)                                                                                                   | 0,1 ÷ 99 minutes |

Options: Backwash Filter. Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVES WS2CI P

### CONTROL VALVE

- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- 2" Top mount control valve suited for commercial/industrial applications;
- Valve body in Noryl plastic material or equivalent;
- Plastic meter assembly optional;
- Solid state microprocessor with easy access front panel settings Front panel display for time of day, days until next regeneration, volume remaining and current flow rate;
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential;
- Program in ppm, French degrees, German degrees, or cubic meters;
- Fully programmable regeneration cycle sequence (maximum 9);
- Programmable regeneration cycle times;
- Days override feature; 1-28 days available;
- Coin Cell Lithium battery back-up with an 24 hour carry over;
- Level VI 15-volt output DC power supply provides safe and easy installation;
- Pre or Post treated water regenerant refill;
- 24 Hour Clock;
- Reliable and proven DC drive;
- Certified to NSF/ANSI 61 and 372.

| Ref.        | Description                  | Fam. | Subfam. | Disp. Stock |  |
|-------------|------------------------------|------|---------|-------------|--|
| VP2CIDTD-05 | WS2CI PLASTIC VALVE DN T I-D | 25   | 799     | OK          |  |
| VP2CIBTZ-05 | WS2CI PLASTIC VALVE BW T I-Z | 25   | 799     | OK          |  |

| Ref.        | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|-------------|-------------------------|----------------------|-----------------|--------------|--------------|
| VP2CIDTD-05 | Softening System        | 30"                  | Downflow        | Not included | Not included |
| VP2CIBTZ-05 | Filter                  | max 36"              | Downflow        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter, you have to order separately an injector, as indicated in section "ACCESSORIES".

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For drain fitting included you have to match n.1 drain control V3190-XXX and up to n.7 drain controls V3162-XXX . Top distributor is not included. Please order separately: reference order numbers V-D1199-11 or V-D1300.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| ACS CE       | Clack        | Commercial, Industrial |



## CLACK VALVES WS2CI P

| SPECIFIC       |                     | CONTROL VALVE FLOW RATES                |                        |
|----------------|---------------------|-----------------------------------------|------------------------|
| Inlet/Outlet   | 2 female BSPT       | Service $\Delta p$ 1 bar/15 psi drop    | 26,1 m <sup>3</sup> /h |
| Cycles         | Up to 9             | Backwash $\Delta p$ 1.7 bar/25 psi drop | 18,2 m <sup>3</sup> /h |
| Valve Material | Noryl or equivalent |                                         |                        |
| Regeneration   | Downflow or Upflow  |                                         |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                             |                                               |                                                                                     |
|----------------------|-----------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------|
| Accuracy             | ± 5%                        | Distributor Pilot                             | 50 mm OD                                                                            |
| Flow Rate Range      | 5,7 ÷ 568 lpm               | Drain line connection                         | 2" Male BSPT                                                                        |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line Adapters Included                  | 1" Female NPT elbow, 3/4" x 1" solvent weld elbow and 1/2" OD Poly Tube Compression |
| Totalizer            | 1 - 99.999 m <sup>3</sup>   | Mounting Base                                 | 4" - 8 UN                                                                           |
|                      |                             | Distributor tube length above pressure vessel | +/- 13 mm                                                                           |
|                      |                             | Shipping Weight With Meter                    | 5 kg                                                                                |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 36" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 36" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,1 ÷ 99 minutes |
| Refill (filter)                                                                                                   | 0,1 ÷ 99 minutes |

Options: Backwash Filter. Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS2CK P

### CONTROL VALVE

- Top-mounted control valve suitable for automatic residential and commercial water softening and filtration systems;
- Single valve, also available for alternating duplex, parallel and multitank systems;
- Transformer, drain line flow control (DLFC) washers, top distributor and accessories not included and to be ordered separately;
- Solid-state microprocessor with multi-colour backlit Dot Matrix display and intuitive programming interface;
- Multilingual programming available (Italian, English, French, Spanish and other languages);
- Energy saving function to reduce power consumption;
- Display of key operating information: days and remaining capacity until next regeneration, time and flow rate;
- Possibility to customize the display with service centre name and contact details;
- Display colour change for quick identification of system operating status;
- Proportional brining for a significant reduction in salt consumption;
- Capable of performing up to 4 regenerations per day;
- Low battery indication;
- Two freely programmable output contacts;
- Dual output for NHWB and/or MAV control;
- Ready for operation with System Controller for management of up to 6 units;
- Regeneration configurable in up-flow or down-flow mode;
- Double backwash feature for maximum operating efficiency;
- Compatible with wet or dry brine tank operation;
- Regenerant refill with treated water for improved brine tank cleanliness;
- Delayed regeneration option with security override;
- Intelligent reserve calculation with security override;
- Diagnostic memory with usage history up to 63 days;
- Historical operating data memory;
- Electronically controlled regeneration with alarm in case of cycle sequence failure;
- Alarm signal to prevent mechanical damage during operation;
- Low salt alarm option.

| Ref         | Description                  | Fam. | Subfam. | Disp. Stock |  |
|-------------|------------------------------|------|---------|-------------|--|
| VP2CKDTD-05 | WS2CK PLASTIC VALVE DN T I-D | 25   | 796     | OK          |  |

| Ref         | Softening System/Filter | Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|-------------|-------------------------|--------------------|-----------------|--------------|--------------|
| VP2CKDTD-05 | Softening System        | 30"                | Downflow        | Not included | Not included |

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For drain fitting included you have to match n.1 drain control V3190-XXX and up to n.7 drain controls V3162-XXX. Top distributor is not included. Please order separately: reference order numbers V-D1199-11 or V-D1300.

**NOTE:** if you need a pressure vessel with a different diameter, you have to order separately an injector, as indicated in section "ACCESSORIES".

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| CE           | Clack        | Commercial, Industrial |



| SPECIFIC       |                     | CONTROL VALVE FLOW RATES                |                        |
|----------------|---------------------|-----------------------------------------|------------------------|
| Inlet/Outlet   | 2" female BSPT      | Service $\Delta p$ 1 bar/15 psi drop    | 26,1 m <sup>3</sup> /h |
| Cycles         | Up to 9             | Backwash $\Delta p$ 1.7 bar/25 psi drop | 18,2 m <sup>3</sup> /h |
| Valve Material | Noryl or equivalent |                                         |                        |
| Regeneration   | Downflow or Upflow  |                                         |                        |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                             |                                               |                                                                                     |
|----------------------|-----------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------|
| Accuracy             | ± 5%                        | Distributor Pilot                             | 50 mm OD                                                                            |
| Flow Rate Range      | 5,7 ÷ 568 lpm               | Drain line connection                         | 2" Male BSPT                                                                        |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line Adapters Included                  | 1" Female NPT elbow, 3/4" x 1" solvent weld elbow and 1/2" OD Poly Tube Compression |
| Totalizer            | Yes                         | Mounting Base                                 | 4" - 8 UN                                                                           |
|                      |                             | Distributor tube length above pressure vessel | +/- 13 mm                                                                           |
|                      |                             | Shipping Weight With Meter                    | 5 kg                                                                                |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 36" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 36" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values |                  |
|-------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                          | 1 ÷ 120 minutes  |
| Rinse                                                                                                             | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                   | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                 | 0,1 ÷ 99 minutes |

Options: Backwash Filter. Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines



## CLACK VALVE WS2CI QC

### CONTROL VALVE

- Single valve, available also for twin alternating, twin parallel and multitank systems
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately
- 2" top mount or side mount control valve suited for commercial/industrial applications
- Epoxy coated lead free brass valve body
- Economical stainless steel optional meter assembly
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining and current flow rate
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1-28 days available
- Coin Cell Lithium battery back-up with an 24 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Pre or Post treated water regenerant refill
- 24 Hour Clock
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

| Ref.       | Description             | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|------------|-------------------------|------|-------------|----------------|--|
| V2CIDTD-18 | WS2CI VALVE DN T I-D QC | 25   | 820         | OK             |  |
| V2CIBTZ-18 | WS2CI VALVE BW T I-Z QC | 25   | 820         | OK             |  |

**When using the WS2CI/QC Control Valve, one of the following Tank Base Assemblies must be ordered, to complete the Control Valve:**

| Ref          | Description                                | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|--------------|--------------------------------------------|------|-------------|----------------|--|
| V3064        | WS2H/2 QC 4" BASE ASSEMBLY                 | 25   | 850         | OK             |  |
| V3055        | WS2H/2 QC 6" FLANGE BASE ASSEMBLY          | 25   | 850         | OK             |  |
| V3260BSPT-02 | WS2H/2 QC 2" SIDE MOUNT BASE ASSEMBLY BSPT | 25   | 850         | OK             |  |



## CLACK VALVE WS2CI QC

| Ref.       | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|------------|-------------------------|----------------------|-----------------|--------------|--------------|
| V2CIDTD-18 | Softening System        | 30"                  | Downflow        | Not included | Not included |
| V2CIBTZ-18 | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter, you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3186-XX). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For 3/4" drain fitting (V3158-04), Flow rates 0.07 - 10.0 gpm: reference order numbers V3162-007 through V3162-100. For 1" drain fitting (V3008-05), Flow rates 9.0 - 25.0 gpm: reference order numbers V3190-090 through V3190-250. For 1.5" x 1.5" drain fittings (V3080BSPT), Flow rates 9 to 85 gpm: reference order numbers V3162-007 through V3162-100, and V3190-090 through V3190-250. 63 mm Top Distributor is not included. Please order separately: reference order numbers V-D1199-13.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates | Manufacturer | Sectors                |
|--------------|--------------|------------------------|
| ACS CE       | Clack        | Commercial, Industrial |



## CLACK VALVE WS2CI QC

| SPECIFIC       |                    | CONTROL VALVE FLOW RATES                |                        |
|----------------|--------------------|-----------------------------------------|------------------------|
| Inlet/Outlet   | 2" female BSPT     | Service $\Delta p$ 1 bar/15 psi drop    | 28,4 m <sup>3</sup> /h |
| Cycles         | Up to 9            | Backwash $\Delta p$ 1.7 bar/25 psi drop | 19,3 m <sup>3</sup> /h |
| Valve Material | Lead free brass    | Cv Service                              | 32,3                   |
| Regeneration   | Downflow or Upflow | Cv Backwash                             | 17,0                   |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                             |                                                                                             |                                                               |
|----------------------|-----------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Accuracy             | ± 5%                        | Distributor Pilot                                                                           | 63 mm OD                                                      |
| Flow Rate Range      | 5,7 ÷ 568 lpm               | Drain line connection                                                                       | 1,5" Female NPT                                               |
| Volume Range         | 0,02 ÷ 5.700 m <sup>3</sup> | Brine Line Adapters Included                                                                | 3/4"x 1" solvent weld elbow and 1/2" OD Poly Tube Compression |
| Totalizer            | 1 - 99.999 m <sup>3</sup>   | Mounting Base                                                                               | 4" - 8 UN, 6" Flange or Side Mount                            |
|                      |                             | Distributor tube length above pressure vessel with 4" - 8 UN QC Base with 6" Flange QC Base | 57 mm 64 mm                                                   |
|                      |                             | Weight                                                                                      | 14 kg                                                         |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 12" ÷ 48" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 12" ÷ 36" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values: Cycle |                  |
|--------------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                                 | 1 ÷ 120 minutes  |
| Rinse                                                                                                                    | 1 ÷ 120 minutes  |
| Pause (service)                                                                                                          | 1 ÷ 480 minutes  |
| Brine (co-current)                                                                                                       | 1 ÷ 180 minutes  |
| Refill (softener)                                                                                                        | 0,1 ÷ 99 minutes |
| Refill (filter)                                                                                                          | 0,1 ÷ 99 minutes |

Options: Backwash Filter. Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, sodium bisulfite, chlorine and chloramines.



## CLACK VALVE WS2HF



### CONTROL VALVE

- 2" top mount or side mount control valve suited for industrial applications;
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- Epoxy coated lead free brass valve body;
- Built-in Internal Flow Meter standard with all valves;
- Solid state microprocessor with easy access front removable POD;
- Front panel display for Time of Day, Current Flow Rate, Totalizer and Volume/Days until Regeneration;
- Four methods to initiate the down flow regeneration; meter delayed, meter immediate, time clock delayed, or pressure differential;
- Fully programmable regeneration cycle sequences (maximum 9);
- Fully programmable regeneration cycle times;
- Pre or Post treated water regenerant refill;
- Days override feature; 1-28 days available;
- Stores system configuration and operation data in nonvolatile memory;
- Capacitor back-up with a 24 hour carry over;
- Level VI 18-volt output DC power supply provides safe and easy installation;
- Reliable and proven DC drive;
- Certified to NSF/ANSI 44, 61 and 372.

| Ref.       | Description          | Fam. | Subfam. | Disp. Stock |  |
|------------|----------------------|------|---------|-------------|--|
| V2HFDTF-05 | WS2HF VALVE DN T I-F | 25   | 841     | OK          |  |
| V2HFBTZ-05 | WS2HF VALVE BW T I-Z | 25   | 841     | OK          |  |

**When using the WS2HF Control Valve, one of the following Tank Base Assemblies must be ordered, to complete the Control Valve:**

| Ref.         | Description                                | Fam. | Subfam. | Disp. Stock |  |
|--------------|--------------------------------------------|------|---------|-------------|--|
| V3064        | WS2H/2 QC 4" BASE ASSEMBLY                 | 25   | 850     | OK          |  |
| V3055        | WS2H/2 QC 6" FLANGE BASE ASSEMBLY          | 25   | 850     | OK          |  |
| V3260BSPT-02 | WS2H/2 QC 2" SIDE MOUNT BASE ASSEMBLY BSPT | 25   | 850     | OK          |  |

| Ref.       | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|------------|-------------------------|----------------------|-----------------|--------------|--------------|
| V2HFDTF-05 | Softening System        | 42"                  | Downflow        | Not included | Not included |
| V2HFBTZ-05 | Filter                  | N/A                  | Downflow        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** All WS2HF Control Valves listed above come standard with a V3162-022, 2.2 gpm Brine Line Flow Control (BLFC). Other sizes are available. Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3461XX-02). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. The V3051BSPT DLFC Assembly BSPT is capable of up to 4 - V3190-XXX Flow Controls and 5 - V3162-XXX Flow Controls for a total flow rate of 150 gpm. For 3/4" DLFC buttons, reference order numbers V3162-007 through V3162-100. For 1" DLFC buttons, reference order numbers V3190-090 through V3190-250. 63 mm Top Distributor is not included. Please order separately: reference order numbers V-D1199-13.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| ACS CE       | Clack        | Industrial |



## CLACK VALVE WS2HF

| SPECIFIC       |                                    | CONTROL VALVE FLOW RATES                              |                      |
|----------------|------------------------------------|-------------------------------------------------------|----------------------|
| Inlet/Outlet   | 2" female BSPT or 2.5" Groove Lock | Service $\Delta p$ 15 psi/1 bar drop (includes meter) | 37 m <sup>3</sup> /h |
| Cycles         | Up to 9                            | Backwash $\Delta p$ 25 psi/1.7 bar drop               | 39 m <sup>3</sup> /h |
| Valve Material | Lead free brass                    |                                                       |                      |
| Regeneration   | Downflow                           |                                                       |                      |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                                |                                                                                             |                                                                                      |
|----------------------|--------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Accuracy             | ± 5%                           | Distributor Pilot                                                                           | 63 mm OD                                                                             |
| Flow Rate Range      | 5,7 ÷ 743 lpm                  | Drain line connection                                                                       | 2" Female BSPT                                                                       |
| Volume Range         | 0,038 ÷ 3.796 m <sup>3</sup>   | Brine Line Adapters Included                                                                | 1" Male NPT elbow and ¾" x 1" solvent weld elbow ½" or 5/8" OD Poly Tube Compression |
| Totalizer            | 3,8 - 3.785.000 m <sup>3</sup> | Mounting Base                                                                               | 4" - 8 UN6" Flange or Side Mount                                                     |
|                      |                                | Distributor tube length above pressure vessel with 4" - 8 UN QC Base with 6" Flange QC Base | 57 mm 64 mm                                                                          |
|                      |                                | Shipping Weight With Internal Meter                                                         | 22,7 kg                                                                              |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 18" ÷ 63" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 18" ÷ 48" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION<br>Choose up to nine regeneration cycles, in any order, with a wide range of available values: Cycle |                  |
|--------------------------------------------------------------------------------------------------------------------------|------------------|
| Backwash                                                                                                                 | 1 ÷ 95 minutes   |
| Brine (draw)                                                                                                             | 1 ÷ 180 minutes  |
| Slow Rinse                                                                                                               | 1 ÷ 95 minutes   |
| Fast Rinse                                                                                                               | 1 ÷ 95 minutes   |
| Refill                                                                                                                   | 0,1 ÷ 99 minutes |
| Hold (service)                                                                                                           | 1 - 480 minutes  |

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.



## CLACK VALVE WS3

### CONTROL VALVE



- 3" top mount or side mount control valve suited for industrial applications
- Transformer, Drain Line Flow Control (DLFC) washer, Top Distributor and accessories not included, to order separately;
- For top mount upperscreen, it is recommended to purchase code FVA310011C separately.
- Epoxy coated lead free brass valve body;
- Economical stainless steel optional meter assembly;
- Built-in Internal Flow Meter standard with all valves;
- Solid state microprocessor with easy access front removable POD;
- Front panel display for Time of Day, Current Flow Rate, Totalizer and Volume/Days until Regeneration
- Four methods to initiate the down flow regeneration; meter delayed, meter immediate, time clock delayed, or pressure differential
- Fully programmable regeneration cycle sequences (maximum 9)
- Fully programmable regeneration cycle times
- Pre or Post treated water regenerant refill
- Days override feature; 1-28 days available
- Stores system configuration and operation data in nonvolatile memory
- Capacitor back-up with a 24 hour carry over
- Level VI 18-volt output DC power supply provides safe and easy installation
- Reliable and proven DC drive
- Certified to NSF/ANSI 44, 61 and 372

| Ref.     | Description        | Fam. | Subfam. | Disp. Stock |  |
|----------|--------------------|------|---------|-------------|--|
| V3DTC-05 | WS3 VALVE DN T I-C | 25   | 845     | OK          |  |
| V3DTH-05 | WS3 VALVE DN T I-H | 25   | 845     | OK          |  |
| V3BTZ-05 | WS3 VALVE BW T I-Z | 25   | 845     | OK          |  |

**When using the WS3 Control Valve, one of the following Tank Base Assemblies must be ordered, to complete the Control Valve:**

| Ref          | Description                       | Fam. | Subfam. | Disp. Stock |  |
|--------------|-----------------------------------|------|---------|-------------|--|
| V3090        | WS3 6" FLANGE BASE ASSEMBLY       | 25   | 850     | OK          |  |
| V3674BSPT-02 | WS3 SIDE MOUNT BASE ASSEMBLY BSPT | 25   | 850     | OK          |  |



## CLACK VALVE WS3

| Ref.     | Softening System/Filter | Ø Injector Tank Size | Downflow/Upflow | Meter        | Mixing Valve |
|----------|-------------------------|----------------------|-----------------|--------------|--------------|
| V3DTC-05 | Softening System        | 24"                  | Downflow        | Not included | Not included |
| V3DTH-05 | Softening System        | 63"                  | Downflow        | Not included | Not included |
| V3BTZ-05 | Filter                  | N/A                  | Backwash        | Not included | Not included |

**NOTE:** if you need a pressure vessel with a different diameter , you have to order one of the available control valves in our catalogue and the matching injector, as indicated in section "ACCESSORIES".

**NOTE:** All WS3 Control Valves listed above come standard with a V3162-022, 2.2 gpm Brine Line Flow Control (BLFC). Other sizes are available. Controls listed are priced without a power cord or transformer. For AC Adapter (Transformer) selection see "ACCESSORIES" section (V3461XX-02). Drain Line Flow Controls (DLFC) washer is not included. Please order separately. For the 3" drain fittings (V3764BSPT), Flow rates 9 to 225 gpm: uses up to 9 of the 1" DLFC buttons, reference order numbers V3190-090 through V3190-250. 90 mm Top Distributor is not included. Please order separately.

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            | 1         |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| ACS CE       | Clack        | Industrial |



## CLACK VALVE WS3

| SPECIFIC       |                 | CONTROL VALVE FLOW RATES                |                        |
|----------------|-----------------|-----------------------------------------|------------------------|
| Inlet/Outlet   | 3" female BSPT  | Service $\Delta p$ 15 psi/1 bar drop    | 56,8 m <sup>3</sup> /h |
| Cycles         | Up to 9         | Backwash $\Delta p$ 25 psi/1.7 bar drop | 50,0 m <sup>3</sup> /h |
| Valve Material | Lead free brass | Cv Service                              | 44,6                   |
| Regeneration   | Downflow        | Cv Backwash                             | 44,0                   |

| OPERATING PRESSURES |               | OPERATING TEMPERATURES |            |
|---------------------|---------------|------------------------|------------|
| Minimum/Maximum     | 1,4 ÷ 8,6 bar | Minimum/Maximum        | 4° ÷ 43° C |

| METER SPECIFICATIONS |                                    |                                                                      |                                                   |
|----------------------|------------------------------------|----------------------------------------------------------------------|---------------------------------------------------|
| Accuracy             | ± 5%                               | Distributor tube O. D. diameter                                      | 90 mm OD                                          |
| Flow Rate Range      | 13,3 ÷ 1.325 lpm                   | Drain line connection                                                | 3" BSPT                                           |
| Volume Range         | (3.786 - 3.785.407,9 liters x1000) | Brine Line Adapters Included                                         | 1 Male NPT elbow and 3/4" x 1" solvent weld elbow |
|                      |                                    | Mounting Base                                                        | 6" Flange or Side Mount                           |
|                      |                                    | Distributor tube length above pressure vessel with 6" Flange QC Base | 70 mm                                             |
|                      |                                    | Shipping Weight Without Optional Meter                               | 25,9 kg                                           |

| ELECTRICAL SPECIFICATIONS |                    | TANK APPLICATIONS |                    |
|---------------------------|--------------------|-------------------|--------------------|
| Supply Voltage            | 200V AC to 240V AC | Water Softener    | 18" ÷ 63" diameter |
| Supply Frequency          | 50/60 Hz           | Water Filter      | 18" ÷ 63" diameter |
| Output Voltage            | 15VDC              |                   |                    |
| Output Current            | 500 mA             |                   |                    |

| CYCLES OF OPERATION                                                                        |                   |
|--------------------------------------------------------------------------------------------|-------------------|
| Choose up to nine regeneration cycles, in any order, with a wide range of available values |                   |
| Backwash                                                                                   | 1 ÷ 95 minutes    |
| Brine                                                                                      | 1 ÷ 180 minutes   |
| Slow Rinse                                                                                 | 1 ÷ 95 minutes    |
| Fast Rinse                                                                                 | 1 ÷ 95 minutes    |
| Refill                                                                                     | 0,1 ÷ 99 minutes  |
| Hold (service)                                                                             | 0,1 ÷ 480 minutes |

Options: Backwash Filter

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.



CLACK VALVE: WS1CI, WS1CI TWIN, WS1EI, WS1EI TWIN, WS1TC, WS125TC, WS125CI, WS125EI, WS15CI, WS15EI, WS2CI, WS2EI, WS2CI/QC, WS2EI/QC

## ACCESSORIES

| Ref          | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|--------------|--------------------------------------------------------|------|---------|-------------|--|
| V3006        | WS1 BYPASS ASSEMBLY                                    | 15   | 760     | OK          |  |
| V3007        | WS1 FITTING 1" PVC MALE NPT ELBOW ASSEMBLY             | 15   | 760     | OK          |  |
| V3007-01     | WS1 FITTING 3/4" X 1" PVC SOLVENT ELBOW ASSEMBLY       | 15   | 760     | NO          |  |
| V3007-06     | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY              | 15   | 760     | OK          |  |
| V3007-07     | WS1 FITTING 1.25" & 1.5" PVC SOLVENT ASSEMBLY          | 15   | 760     | OK          |  |
| V3007-08     | WS1 FITTING 1.25" PLASTIC MALE BSPT ASSEMBLY           | 15   | 760     | OK          |  |
| V3007-14     | WS1 FITTING 3/4" PLASTIC MALE BSPT ASSEMBLY            | 15   | 760     | OK          |  |
| V3007-15     | WS1 FITTING 3/4" JOHN GUEST QC ELBOW ASSEMBLY          | 15   | 760     | NO          |  |
| V3007-16     | WS1 FITTING 1" PVC MALE BSPT 90 ASSEMBLY               | 15   | 760     | OK          |  |
| V3007-17     | WS1 FITTING 1" JOHN GUEST QC ASSEMBLY                  | 15   | 760     | NO          |  |
| V3007-19     | WS1 FITTING 3/4" STRAIGHT JOHN GUEST QC                | 15   | 760     | NO          |  |
| V3008-04     | WS1 DRAIN FITTING 1" STRAIGHT W/SILENCER               | 15   | 760     | OK          |  |
| V3008-05     | WS2 DRAIN FITTING 1" MALE NPT STRAIGHT W/O SILENCER    | 25   | 850     | OK          |  |
| V3009        | WS1 AUXILIARY MICROSWITCH ASSEMBLY                     | 15   | 760     | OK          |  |
| V3014        | WS1 SERIES MICROSWITCH ASSEMBLY                        | 15   | 760     | OK          |  |
| V3017        | WS2 SERVICE OR FILL SWITCH ASSEMBLY                    | 25   | 850     | OK          |  |
| V3022        | WS1 STACK PULLER ASSEMBLY                              | 15   | 760     | OK          |  |
| V3030-01     | SYSTEM CONTROLLER BOX                                  | 15   | 760     | OK          |  |
| V3040BSPT    | WS1.5 METER ASSEMBLY BSPT                              | 25   | 850     | OK          |  |
| V3040BSPT-15 | WS1.5 METER ASSEMBLY BSPT 15 FOOT METER CABLE          | 25   | 850     | OK          |  |
| V3051BSPT    | WS2H/3 DLFC ASSY 2 M-BSPT X 2 F-BSPT (NO DLFC BUTTONS) | 25   | 850     | OK          |  |
| V3053        | WS2 2-1/2" GROOVE LOCK CLAMP ASSEMBLY                  | 25   | 850     | NO          |  |
| V3055        | WS2H/2 QC 6" FLANGE BASE ASSEMBLY                      | 25   | 850     | OK          |  |
| V3064        | WS2H/2 QC 4" BASE ASSEMBLY                             | 25   | 850     | OK          |  |
| V3069FF-01   | WS1/125 MAV FEMALE X FEMALE 3-WIRE                     | 15   | 760     | OK          |  |
| V3069MM-01   | WS1/125 MAV MALE X MALE 3-WIRE                         | 15   | 760     | OK          |  |



CLACK VALVE: WS1CI, WS1CI TWIN, WS1EI, WS1EI TWIN, WS1TC, WS125TC, WS125CI, WS125EI, WS15CI, WS15EI, WS2CI, WS2EI, WS2CI/QC, WS2EI/QC

| Ref             | Description                                             | Fam. | Subfam. | Disp. Stock |  |
|-----------------|---------------------------------------------------------|------|---------|-------------|--|
| V3070FF         | WS1 & WS1.25 NO HARD WATER BY-PASS VALVE FEMALE XFEMALE | 15   | 760     | OK          |  |
| V3070FM         | WS1 & WS1.25 NO HARD WATER BY-PASS VALVE FEMALE XMALE   | 15   | 760     | OK          |  |
| V3071BSPT       | MOTORIZED ALTERNATING VALVE 1,5" BSPT                   | 25   | 850     | OK          |  |
| V3076BSPT       | WS2 MAV BSPT REVISION 2 (PISTON STYLE)                  | 25   | 850     | OK          |  |
| V3080BSPT       | WS2 DLFC ASSY 1.5 M-NPT X 1.5 F-BSPT (NO DLFC BUTTONS)  | 25   | 850     | OK          |  |
| V3094BSPT       | WS2 METER ASSEMBLY MALE X FEMALE BSPT 70 CM METERCABLE  | 25   | 850     | OK          |  |
| V3094BSPT-15    | WS2 METER ASSEMBLY MALE X FEMALE BSPT 15' METER CABLE   | 25   | 850     | OK          |  |
| V3097BSPT       | 15" NO HARD WATER BYPASS MALE X FEMALE BSPT             | 25   | 850     | OK          |  |
| V3098BSPT       | 2" NO HARD WATER BYPASS MALE X FEMALE BSPT              | 25   | 850     | OK          |  |
| V3108CI-07BOARD | WS1 THROUGH WS2 CI PCBOARD REPLACEMENT                  | 15   | 770     | OK          |  |
| V3158-04        | WS2 DRAIN ELBOW 3/4" MALE NPT NO SILENCER               | 25   | 850     | NO          |  |
| V3162-007       | WS1 DLFC 007 (0.7 GPM) FOR 3/4"                         | 15   | 760     | NO          |  |
| V3162-010       | WS1 DLFC 010 (1.0 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-013       | WS1 DLFC 013 (1.3 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-017       | WS1 DLFC 017 (1.7 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-022       | WS1 DLFC 022 (2.2 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-027       | WS1 DLFC 027 (2.7 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-032       | WS1 DLFC 032 (3.2 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-042       | WS1 DLFC 042 (4.2 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-053       | WS1 DLFC 053 (5.3 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-065       | WS1 DLFC 065 (6.5 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-075       | WS1 DLFC 075 (7.5 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-090       | WS1 DLFC 090 (9.0 GPM) FOR 3/4"                         | 15   | 760     | OK          |  |
| V3162-100       | WS1 DLFC 100 (10.0 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3176           | WS1 INJECTOR CAP                                        | 15   | 770     | NO          |  |
| V3186-06        | WS1 AC POWER SUPPLY (TRANSF.) US 15 VOLT DC             | 15   | 760     | NO          |  |
| V3186EU-06      | WS1 DC Power Supply EU 15V DC                           | 15   | 760     | OK          |  |
| V3186UK-06      | WS1 POWER SUPPLY (TRANSFORMER) UK 15 VOLT DC HOCP       | 15   | 760     | OK          |  |



CLACK VALVE: WS1CI, WS1CI TWIN, WS1EI, WS1EI TWIN, WS1TC, WS125TC, WS125CI, WS125EI, WS15CI, WS15EI, WS2CI, WS2EI, WS2CI/QC, WS2EI/QC

| Ref             | Description                                                               | Fam. | Subfam. | Disp. Stock |  |
|-----------------|---------------------------------------------------------------------------|------|---------|-------------|--|
| V3190-090       | WS1 DLFC 090 (9.0 GPM) FOR 1"                                             | 25   | 850     | OK          |  |
| V3190-100       | WS1 DLFC 100 (10.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-110       | WS1 DLFC 110 (11.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-130       | WS1 DLFC 130 (13.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-150       | WS1 DLFC 150 (15.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-170       | WS1 DLFC 170 (17.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-200       | WS1 DLFC 200 (20.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-250       | WS1 DLFC 250 (25.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3191-01        | WS1 BYPASS VERTICAL ADAPTER ASSEMBLY                                      | 15   | 760     | OK          |  |
| V3192           | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)                       | 15   | 760     | OK          |  |
| V3193-02        | WS1 SERVICE SPANNER WRENCH                                                | 15   | 760     | OK          |  |
| V3260BSPT-02    | WS2H/2 QC 2" SIDE MOUNT BASE ASSEMBLY BSPT                                | 25   | 850     | OK          |  |
| V3467           | WS1 BY PASS INLINE ADAPTER FITTINGS                                       | 15   | 760     | OK          |  |
| V3474           | WS ALTERNATING CONNECTION CORD 8' BLACK FOR SINGLE METER (3 WIRE INTERCO) | 25   | 860     | OK          |  |
| V3475-12        | WS2H/3 SYSTEM CONNECTION CORD 12' RED                                     | 25   | 850     | NO          |  |
| V3475-24        | WS2H/3 SYSTEM CONNECTION CORD 24' BLUE                                    | 25   | 850     | NO          |  |
| V3475-36        | WS2H/3 SYSTEM CONNECTION CORD 36' YELLOW                                  | 25   | 850     | OK          |  |
| V3478           | WS1 INLINE BYPASS ASSEMBLY 1" BRASS SWEAT                                 | 15   | 760     | NO          |  |
| V3478-01        | WS1 INLINE BYPASS ASSEMBLY 3/4" BRASS SWEAT                               | 15   | 760     | NO          |  |
| V3974WC-A       | WS15 WEATHER COVER ALMOND GENERATION 2                                    | 25   | 850     | NO          |  |
| V3962           | WS1 DRAIN ELBOW & RETAINER ASSY W/O SILENCER                              | 15   | 760     | OK          |  |
| V3974WC-W       | WS15 WEATHER COVER WHITE GENERATION 2                                     | 25   | 850     | NO          |  |
| V4052-01        | TT TWIN TANK INTERCONNECT KIT FOR 12"-21" TANKS                           | 15   | 760     | OK          |  |
| V4057           | WS1 DRAIN ELBOW & RETAINER ASSY W/SILENCER                                | 15   | 760     | NO          |  |
| V4099           | WS1 EXTERNAL IN-LINE MIXING VALVE                                         | 15   | 760     | OK          |  |
| V4276-15        | 15' POWER CORD                                                            | 15   | 760     | NO          |  |
| V4276-36        | 36' POWER CORD                                                            | 15   | 760     | OK          |  |
| V4325           | SOFTWARE CONFIGURATOR PROGRAM                                             | 15   | 760     | NO          |  |
| V-D1199-11      | TOP STACK DISTR SNAP IN - 50 MM                                           | 25   | 850     | OK          |  |
| V-D1199-13      | TOP STACK DISTR SNAP IN - 63 MM                                           | 25   | 850     | OK          |  |
| V-D1200-04      | TOP STACK DISTRIBUTOR 63 MM FOR FLANGE TANKS                              | 25   | 850     | NO          |  |
| V-D1203-03      | UPPER SCREEN 32 MM-TWIST LOCK                                             | 15   | 760     | OK          |  |
| V-D1300         | TOP BAFFLE DISTRIBUTOR 50 MM                                              | 25   | 850     | NO          |  |
| V-PKP10TS8-BULK | POLYTUBE INSERT 5/8"                                                      | 15   | 760     | OK          |  |
| V-D1400         | 1191 IN-OUT HEAD                                                          | 15   | 770     | OK          |  |
| V-H4600         | 474 SAFETY BRINE VALVE WITH 3/8" ELBOW AND INSERT                         | 15   | 770     | OK          |  |



## ACCESSORIES KIT FOR CLACK VALVES WS1CI, WS1EI, WS1TC

| Ref.            | Description                                                  | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------------|--------------------------------------------------------------|------|-------------|----------------|--|
| KITAC1600-17-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 17" TUBE - 1"* | 15   | 760         | NO             |  |
| consisting of:  |                                                              |      |             |                |  |
| AV071           | UPPER SCREEN 1.05" BAJONET                                   |      |             |                |  |
| AV116M          | PVC TUBE 1.05" OD L=432MM(17") + LOWER DIFFUSER<br>AV097MWG* |      |             |                |  |
| V3186EU-06      | WS1 DC Power Supply EU 15V DC                                |      |             |                |  |
| AV093MWG        | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG            |      |             |                |  |
| AV155           | ELBOW FITTING UNION 3/8" NPT                                 |      |             |                |  |
| V3007-06        | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                    |      |             |                |  |
| V-PKP10TS8-BULK | POLYTUBE INSERT 5/8"                                         |      |             |                |  |
| V3192           | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |             |                |  |

| Ref.             | Description                                                       | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|------------------|-------------------------------------------------------------------|------|-------------|----------------|--|
| KITAC1600-17-34B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 17" TUBE -<br>3/4"* | 15   | 760         | NO             |  |
| consisting of:   |                                                                   |      |             |                |  |
| AV071            | UPPER SCREEN 1.05" BAJONET                                        |      |             |                |  |
| AV116M           | PVC TUBE 1.05" OD L=432MM(17") + LOWER DIFFUSER<br>AV097MWG*      |      |             |                |  |
| V3186EU-06       | WS1 DC Power Supply EU 15V DC                                     |      |             |                |  |
| AV093MWG         | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG                 |      |             |                |  |
| AV155            | ELBOW FITTING UNION 3/8" NPT                                      |      |             |                |  |
| V3007-14         | WS1 FITTING 3/4" PLASTIC MALE BSPT ASSEMBLY                       |      |             |                |  |
| V-PKP10TS8-BULK  | POLYTUBE INSERT 5/8"                                              |      |             |                |  |
| V3192            | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)               |      |             |                |  |

| Ref.            | Description                                                  | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------------|--------------------------------------------------------------|------|-------------|----------------|--|
| KITAC1600-35-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 35" TUBE - 1"* | 15   | 760         | NO             |  |
| consisting of:  |                                                              |      |             |                |  |
| AV071           | UPPER SCREEN 1.05" BAJONET                                   |      |             |                |  |
| AV117M          | PVC TUBE 1.05" OD L=889MM(35") + LOWER DIFFUSER<br>AV097MWG* |      |             |                |  |
| V3186EU-06      | WS1 DC Power Supply EU 15V DC                                |      |             |                |  |
| AV093MWG        | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG            |      |             |                |  |
| AV155           | ELBOW FITTING UNION 3/8" NPT                                 |      |             |                |  |
| V3007-06        | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                    |      |             |                |  |
| V-PKP10TS8-BULK | POLYTUBE INSERT 5/8"                                         |      |             |                |  |
| V3192           | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |             |                |  |



## ACCESSORIES KIT FOR CLACK VALVES WS1CI, WS1EI, WS1TC

| Ref.             | Description                                                  | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|------------------|--------------------------------------------------------------|------|-------------|----------------|--|
| KITAC1600-35-34B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 35" - 3/4"*    | 15   | 760         | NO             |  |
| consisting of:   |                                                              |      |             |                |  |
| AV071            | UPPER SCREEN 1.05" BAJONET                                   |      |             |                |  |
| AV117M           | PVC TUBE 1.05" OD L=889MM(35") + LOWER DIFFUSER<br>AV097MWG* |      |             |                |  |
| V3186EU-06       | WS1 DC Power Supply EU 15V DC                                |      |             |                |  |
| AV093MWG         | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG            |      |             |                |  |
| AV155            | ELBOW FITTING UNION 3/8" NPT                                 |      |             |                |  |
| V3007-14         | WS1 FITTING 3/4" PLASTIC MALE BSPT ASSEMBLY                  |      |             |                |  |
| V-PKP10TS8-BULK  | POLYTUBE INSERT 5/8"                                         |      |             |                |  |
| V3192            | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |             |                |  |

| Ref.            | Description                                                       | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|-----------------|-------------------------------------------------------------------|------|-------------|----------------|--|
| KITAC1600-55-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 55" - TUBE -<br>1"* | 15   | 760         | NO             |  |
| consisting of:  |                                                                   |      |             |                |  |
| AV071           | UPPER SCREEN 1.05" BAJONET                                        |      |             |                |  |
| AV103M          | PVC TUBE 1.05" OD L=1397MM(55") + LOWER DIFFUSER<br>AV097MWG*     |      |             |                |  |
| V3186EU-06      | WS1 DC Power Supply EU 15V DC                                     |      |             |                |  |
| AV093MWG        | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG                 |      |             |                |  |
| AV155           | ELBOW FITTING UNION 3/8" NPT                                      |      |             |                |  |
| V3007-06        | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                         |      |             |                |  |
| V-PKP10TS8-BULK | POLYTUBE INSERT 5/8"                                              |      |             |                |  |
| V3192           | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)               |      |             |                |  |

| Ref.             | Description                                                       | Fam. | Subfa<br>m. | Disp.<br>Stock |  |
|------------------|-------------------------------------------------------------------|------|-------------|----------------|--|
| KITAC1600-55-34B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 55" TUBE -<br>3/4"* | 15   | 760         | NO             |  |
| consisting of:   |                                                                   |      |             |                |  |
| AV071            | UPPER SCREEN 1.05" BAJONET                                        |      |             |                |  |
| AV103M           | PVC TUBE 1.05" OD L=1397MM(55") + LOWER DIFFUSER<br>AV097MWG*     |      |             |                |  |
| V3186EU-06       | WS1 DC Power Supply EU 15V DC                                     |      |             |                |  |
| AV093MWG         | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG                 |      |             |                |  |
| AV155            | ELBOW FITTING UNION 3/8" NPT                                      |      |             |                |  |
| V3007-14         | WS1 FITTING 3/4" PLASTIC MALE BSPT ASSEMBLY                       |      |             |                |  |
| V-PKP10TS8-BULK  | POLYTUBE INSERT 5/8"                                              |      |             |                |  |
| V3192            | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)               |      |             |                |  |



## ACCESSORIES KIT FOR CLACK VALVES WS1CI, WS1EI, WS1TC

| Ref.            | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|-----------------|--------------------------------------------------------------|------|---------|-------------|--|
| KITAC1600-72-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 72" TUBE - 1"* | 15   | 760     | NO          |  |
| consisting of:  |                                                              |      |         |             |  |
| AV071           | UPPER SCREEN 1.05" BAJONET                                   |      |         |             |  |
| AV104M          | PVC TUBE 1.05" OD L=1829MM(72") + LOWER DIFFUSER AV097MWG*   |      |         |             |  |
| V3186EU-06      | WS1 DC Power Supply EU 15V DC                                |      |         |             |  |
| AV097MWG        | MWG LOWER DIFFUSER CONIC (FOR 1.05" OD TUBE)                 |      |         |             |  |
| V3007-06        | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                    |      |         |             |  |
| V-PKP10TS8-BULK | POLYTUBE INSERT 5/8"                                         |      |         |             |  |
| V3192           | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |         |             |  |
| AV155           | ELBOW FITTING UNION 3/8" NPT                                 |      |         |             |  |



## ACCESSORIES KIT FOR CLACK VALVES WTT1

| Ref.               | Description                                                      | Fam. | Subfam. | Disp. Stock |  |
|--------------------|------------------------------------------------------------------|------|---------|-------------|--|
| KITAC1600-T1-17-1B | CLACK VALV TT1 ACCESSORIES KIT - 1600 AIR CHECK - 17" TUBE - 1"* | 15   | 760     | NO          |  |
| consisting of:     |                                                                  |      |         |             |  |
| AV071              | UPPER SCREEN 1.05" BAJONET                                       |      |         | x 2         |  |
| AV116M             | PVC TUBE 1.05" OD L=432MM(17") + LOWER DIFFUSER AV097MWG*        |      |         | x 2         |  |
| V3186EU-06         | WS1 DC Power Supply EU 15V DC                                    |      |         |             |  |
| AV093MWG           | PVC TUBE 3/8" OD L=1067MM(42") +AIR-CHECK AV108MWG               |      |         |             |  |
| AV155              | ELBOW FITTING UNION 3/8" NPT                                     |      |         |             |  |
| V3007-06           | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                        |      |         |             |  |
| V-PKP10TS8-BULK    | POLYTUBE INSERT 5/8"                                             |      |         |             |  |
| V3192              | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)              |      |         |             |  |

| Ref.               | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|--------------------|--------------------------------------------------------------|------|---------|-------------|--|
| KITAC1600-T1-35-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 35" TUBE - 1"* | 15   | 760     | NO          |  |
| consisting of:     |                                                              |      |         |             |  |
| AV071              | UPPER SCREEN 1.05" BAJONET                                   |      |         | x 2         |  |
| AV117M             | PVC TUBE 1.05" OD L=889MM(35") + LOWER DIFFUSER AV097MWG*    |      |         | x 2         |  |
| V3186EU-06         | WS1 DC Power Supply EU 15V DC                                |      |         |             |  |
| AV093MWG           | PVC TUBE 3/8" OD L=1067MM(42") +AIR-CHECK AV108MWG           |      |         |             |  |
| AV155              | ELBOW FITTING UNION 3/8" NPT                                 |      |         |             |  |
| V3007-06           | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                    |      |         |             |  |
| V-PKP10TS8-BULK    | POLYTUBE INSERT 5/8"                                         |      |         |             |  |
| V3192              | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |         |             |  |

| Ref.               | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|--------------------|--------------------------------------------------------------|------|---------|-------------|--|
| KITAC1600-T1-55-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 55" TUBE - 1"* | 15   | 760     | NO          |  |
| consisting of:     |                                                              |      |         |             |  |
| AV071              | UPPER SCREEN 1.05" BAJONET                                   |      |         | x 2         |  |
| AV103M             | PVC TUBE 1.05" OD L=1397MM(55") + LOWER DIFFUSER AV097MWG*   |      |         | x 2         |  |
| V3186EU-06         | WS1 DC Power Supply EU 15V DC                                |      |         |             |  |
| AV093MWG           | PVC TUBE 3/8" OD L=1067MM(42") +AIR-CHECK AV108MWG           |      |         |             |  |
| AV155              | ELBOW FITTING UNION 3/8" NPT                                 |      |         |             |  |
| V3007-06           | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                    |      |         |             |  |
| V-PKP10TS8-BULK    | POLYTUBE INSERT 5/8"                                         |      |         |             |  |
| V3192              | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |         |             |  |



## ACCESSORIES KIT FOR CLACK VALVES WTT1

| Ref.               | Description                                                  | Fam. | Subfam. | Disp. Stock |  |
|--------------------|--------------------------------------------------------------|------|---------|-------------|--|
| KITAC1600-T1-72-1B | CLACK VALV ACCESSORIES KIT - 1600 AIR CHECK - 72" TUBE - 1"* | 15   | 760     | NO          |  |
| consisting of:     |                                                              |      |         |             |  |
| AV071              | UPPER SCREEN 1.05" BAJONET                                   |      |         | x 2         |  |
| AV104M             | PVC TUBE 1.05" OD L=1829MM(72") + LOWER DIFFUSER AV097MWG*   |      |         | x 2         |  |
| V3186EU-06         | WS1 DC Power Supply EU 15V DC                                |      |         |             |  |
| AV093MWG           | PVC TUBE 3/8" OD L=1067MM(42")+AIR-CHECK AV108MWG            |      |         |             |  |
| AV155              | ELBOW FITTING UNION 3/8" NPT                                 |      |         |             |  |
| V3007-06           | WS1 FITTING 1" PLASTIC MALE BSPT ASSEMBLY                    |      |         |             |  |
| V-PKP10TS8-BULK    | POLYTUBE INSERT 5/8"                                         |      |         |             |  |
| V3192              | WS1 NUT 3/4" DRAIN ELBOW (FOR 5/8" X 1/2" POLYTUBE)          |      |         |             |  |



## CLACK VALVE: WS2H, WS2HF, WS3

### ACCESSORIES

| Ref.         | Description                                            | Fam. | Subfam. | Disp. Stock |  |
|--------------|--------------------------------------------------------|------|---------|-------------|--|
| FVA310011C   | ADAPTER                                                | 23   | 590     | OK          |  |
| V3051BSPT    | WS2H/3 DLFC ASSY 2 M-BSPT X 2 F-BSPT (NO DLFC BUTTONS) | 25   | 850     | OK          |  |
| V3053        | WS2 2-1/2" GROOVE LOCK CLAMP ASSEMBLY                  | 25   | 850     | NO          |  |
| V3055        | WS2H/2 QC 6" FLANGE BASE ASSEMBLY                      | 25   | 850     | OK          |  |
| V3064        | WS2H/2 QC 4" BASE ASSEMBLY                             | 25   | 850     | OK          |  |
| V3076BSPT    | WS2 MAV BSPT REVISION 2 (PISTON STYLE)                 | 25   | 850     | NO          |  |
| V3080BSPT    | WS2 DLFC ASSY 1.5 M-NPT X 1.5 F-BSPT (NO DLFC BUTTONS) | 25   | 850     | OK          |  |
| V3083BSPT    | WS3 MOTORIZED ALTERNATING VALVE BSPT                   | 25   | 850     | OK          |  |
| V3090        | WS3 6" FLANGE BASE ASSEMBLY                            | 25   | 850     | OK          |  |
| V3095BSPT-15 | WS3 3" METER ASSEMBLY BSPT M X F 15' METER CABL        | 25   | 850     | OK          |  |
| V3098BSPT    | 2" NO HARD WATER BYPASS MALE X FEMALE BSPT             | 25   | 850     | OK          |  |
| V3099BSPT    | WS3 NO HARD WATER BYPASS MALE X FEMALE BSPT            | 25   | 850     | OK          |  |
| V3162-007    | WS1 DLFC 007 (0.7 GPM) FOR 3/4"                        | 15   | 760     | NO          |  |
| V3162-010    | WS1 DLFC 010 (1.0 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-013    | WS1 DLFC 013 (1.3 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-017    | WS1 DLFC 017 (1.7 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-022    | WS1 DLFC 022 (2.2 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-027    | WS1 DLFC 027 (2.7 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-032    | WS1 DLFC 032 (3.2 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-042    | WS1 DLFC 042 (4.2 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-053    | WS1 DLFC 053 (5.3 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-065    | WS1 DLFC 065 (6.5 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-075    | WS1 DLFC 075 (7.5 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-090    | WS1 DLFC 090 (9.0 GPM) FOR 3/4"                        | 15   | 760     | OK          |  |
| V3162-100    | WS1 DLFC 100 (10.0 GPM) FOR 3/4"                       | 15   | 760     | OK          |  |



## CLACK VALVE: WS2H, WS2HF, WS3

| Ref          | Description                                                              | Fam. | Subfam. | Disp. Stock |  |
|--------------|--------------------------------------------------------------------------|------|---------|-------------|--|
| V3190-090    | WS1 DLFC 090 (9.0 GPM) FOR 1"                                            | 25   | 850     | OK          |  |
| V3190-100    | WS1 DLFC 100 (10.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3190-110    | WS1 DLFC 110 (11.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3190-130    | WS1 DLFC 130 (13.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3190-150    | WS1 DLFC 150 (15.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3190-170    | WS1 DLFC 170 (17.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3190-200    | WS1 DLFC 200 (20.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3190-250    | WS1 DLFC 250 (25.0 GPM) FOR 1"                                           | 25   | 850     | OK          |  |
| V3260BSPT-02 | WS2H/2 QC 2" SIDE MOUNT BASE ASSEMBLY BSPT                               | 25   | 850     | OK          |  |
| V4427        | WS2H/3 PCB RELAY EXPANSION KIT                                           | 25   | 850     | NO          |  |
| V4428EU      | WS2H/3 PCB WITH MODBUS EU UPGRADE KIT                                    | 25   | 860     | NO          |  |
| V3461-02     | WS2H/3 AC 20V ADAPTER USA                                                | 25   | 850     | NO          |  |
| V3461EU-01   | WS2H/3 AC 20V ADAPTER EU                                                 | 25   | 850     | NO          |  |
| V3461EU-02   | WS2H/3 24VDC 0.8A EU POWER SUPPLY                                        | 25   | 850     | OK          |  |
| V3474        | WS ALTERNATING CONNECTION CORD 8' BLACK FOR SINGLE METER (3 WIRE INTERCO | 25   | 860     | OK          |  |
| V3475-12     | WS2H/3 SYSTEM CONNECTION CORD 12' RED                                    | 25   | 850     | NO          |  |
| V3475-24     | WS2H/3 SYSTEM CONNECTION CORD 24' BLUE                                   | 25   | 850     | NO          |  |
| V3475-36     | WS2H/3 SYSTEM CONNECTION CORD 36' YELLOW                                 | 25   | 850     | OK          |  |
| V3674BSPT-02 | WS3 SIDE MOUNT BASE ASSEMBLY BSPT                                        | 25   | 850     | OK          |  |
| V3764BSPT    | WS3 DLFC ASSY 3 M-BSPT X 3 F-BSPT (NO DLFC BUTTONS)                      | 25   | 850     | OK          |  |
| V4039        | WS3 METER ASSEMBLY WITH 4' CORD                                          | 25   | 850     | NO          |  |
| V4051WC      | WS2H/3 WEATHER COVER                                                     | 25   | 850     | NO          |  |
| V-D1199-13   | TOP STACK DISTR SNAP IN - 63 MM                                          | 25   | 850     | OK          |  |
| V-D1200-04   | TOP STACK DISTRIBUTOR 63 MM FOR FLANGE TANKS                             | 25   | 850     | NO          |  |



## INJECTORS FOR VARIOUS TANK SIZES: WS1 e WS1.25 (CAN BE ORDERED SEPARATELY)

| Ref      | Description                         | Fam. | Subfam. | Disp. Stock |  |
|----------|-------------------------------------|------|---------|-------------|--|
| V3010-1A | WS1 INJECTOR ASSEMBLY A BLACK       | 15   | 770     | OK          |  |
| V3010-1B | WS1 INJECTOR ASSEMBLY B BROWN       | 15   | 770     | OK          |  |
| V3010-1C | WS1 INJECTOR ASSEMBLY C VIOLET      | 15   | 770     | OK          |  |
| V3010-1D | WS1 INJECTOR ASSEMBLY D RED         | 15   | 770     | OK          |  |
| V3010-1E | WS1 INJECTOR ASSEMBLY E WHITE       | 15   | 770     | OK          |  |
| V3010-1F | WS1 INJECTOR ASSEMBLY F BLUE        | 15   | 770     | OK          |  |
| V3010-1G | WS1 INJECTOR ASSEMBLY G YELLOW      | 15   | 770     | OK          |  |
| V3010-1H | WS1 INJECTOR ASSEMBLY H GREEN       | 15   | 770     | OK          |  |
| V3010-1I | WS1 INJECTOR ASSEMBLY I ORANGE      | 15   | 770     | OK          |  |
| V3010-1J | WS1 INJECTOR ASSEMBLY J LIGHT BLUE  | 15   | 770     | OK          |  |
| V3010-1K | WS1 INJECTOR ASSEMBLY K LIGHT GREEN | 15   | 770     | OK          |  |
| V3010-1Z | WS1 INJECTOR ASSEMBLY Z PLUG        | 15   | 770     | OK          |  |

| Ref      | Injector Color | Typical Tank Diameter Downflow Brine | Typical Tank Diameter Upflow Brine |
|----------|----------------|--------------------------------------|------------------------------------|
| V3010-1A | Black          | 6"                                   | 8"                                 |
| V3010-1B | Brown          | 7"                                   | 9"                                 |
| V3010-1C | Violet         | 8"                                   | 10"                                |
| V3010-1D | Red            | 9"                                   | 12"                                |
| V3010-1E | White          | 10"                                  | 13"                                |
| V3010-1F | Blue           | 12"                                  | 14"                                |
| V3010-1G | Yellow         | 13"                                  | 14"                                |
| V3010-1H | Green          | 14"                                  | 16"                                |
| V3010-1I | Orange         | 16"                                  | 18"                                |
| V3010-1J | Light Blue     | 18"                                  | 21"                                |
| V3010-1K | Light Green    | 21"                                  | N.A                                |
| V3010-1Z | N.A            | N.A                                  | N.A                                |

- Note: Injector Recommendations - Above injectors are for downflow brining units,
- For upflow brining units the injector should be "down-sized" two tank sizes.
- Example: A 8" downflow softener would use a "C" injector, where as a 8" upflow softener would use an "A" injector



## INJECTORS FOR VARIOUS TANK SIZES: WS1.5 (CAN BE ORDERED SEPARATELY)

| Ref       | Description                      | Fam. | Subfam. | Disp. Stock |  |
|-----------|----------------------------------|------|---------|-------------|--|
| V3010-15B | WS1.5 INJECTOR ASSEMBLY B VIOLET | 25   | 860     | NO          |  |
| V3010-15C | WS1.5 INJECTOR ASSEMBLY C RED    | 25   | 860     | NO          |  |
| V3010-15D | WS1.5 INJECTOR ASSEMBLY D WHITE  | 25   | 860     | OK          |  |
| V3010-15E | WS1.5 INJECTOR ASSEMBLY E BLUE   | 25   | 860     | OK          |  |
| V3010-15F | WS1.5 INJECTOR ASSEMBLY F YELLOW | 25   | 860     | OK          |  |
| V3010-15G | WS1.5 INJECTOR ASSEMBLY G GREEN  | 25   | 860     | OK          |  |
| V3010-15H | WS1.5 INJECTOR ASSEMBLY H ORANGE | 25   | 860     | OK          |  |
| V3010-15Z | WS1.5 INJECTOR ASSEMBLY Z PLUG   | 25   | 860     | NO          |  |

| Ref       | Injector Color | Typical Tank Diameter/ Down Flow Brine | Typical Tank Diameter/ Up Flow Brine |
|-----------|----------------|----------------------------------------|--------------------------------------|
| V3010-15B | Violet         | 12"                                    | 14"                                  |
| V3010-15C | Red            | 13"                                    | 16"                                  |
| V3010-15D | White          | 14"                                    | 18"                                  |
| V3010-15E | Blue           | 16"                                    | 21"                                  |
| V3010-15F | Yellow         | 18"                                    | 24"                                  |
| V3010-15G | Green          | 21"                                    | 30"                                  |
| V3010-15H | Orange         | 24"                                    | n/a                                  |
| V3010-15Z |                | n/a                                    |                                      |

**Note:** Injector Recommendations - Above injectors are for downflow brining units,

- For upflow brining units the injector should be "down-sized" two tank sizes.
- Example: A 24" downflow softener would use a "H" injector, where as a 24" upflow softener would use an "F" injector



## INJECTORS FOR VARIOUS TANK SIZES: WS2/2H/2HF/3 (CAN BE ORDERED SEPARATELY)

| Ref      | Description                  | Fam. | Subfam. | Disp. Stock |  |
|----------|------------------------------|------|---------|-------------|--|
| V3010-2A | WS2/2H/3 INJECTOR ASSEMBLY A | 25   | 860     | OK          |  |
| V3010-2B | WS2/2H/3 INJECTOR ASSEMBLY B | 25   | 860     | OK          |  |
| V3010-2C | WS2/2H/3 INJECTOR ASSEMBLY C | 25   | 860     | OK          |  |
| V3010-2D | WS2/2H/3 INJECTOR ASSEMBLY D | 25   | 860     | OK          |  |
| V3010-2E | WS2/2H/3 INJECTOR ASSEMBLY E | 25   | 860     | OK          |  |
| V3010-2F | WS2/2H/3 INJECTOR ASSEMBLY F | 25   | 860     | OK          |  |
| V3010-2G | WS2/2H/3 INJECTOR ASSEMBLY G | 25   | 860     | OK          |  |
| V3010-2H | WS2H/3 INJECTOR ASSEMBLY H   | 25   | 860     | OK          |  |

| Ref      | Injector  | Typical Tank Diameter/ Down Flow Brine | Typical Tank Diameter/ Up Flow Brine |
|----------|-----------|----------------------------------------|--------------------------------------|
| V3010-2A | Stamped A | 18"                                    | 24"                                  |
| V3010-2B | Stamped B | 21"                                    | 30"                                  |
| V3010-2C | Stamped C | 24"                                    | 36"                                  |
| V3010-2D | Stamped D | 30"                                    | 42"                                  |
| V3010-2E | Stamped E | 36"                                    | 48"                                  |
| V3010-2F | Stamped F | 42"                                    | n/a                                  |
| V3010-2G | Stamped G | 48"                                    | n/a                                  |
| V3010-2H | Gray PVC  | 63"                                    | n/a                                  |

**Note:** Injector Recommendations - Above injectors are for downflow brining units,

- For upflow brining units the injector should be "down-sized" two tank sizes.
- Example: A 24" downflow softener would use a "C" injector, where as a 24" upflow softener would use an "A" injector



## INJECTORS FOR VARIOUS TANK SIZES: WS2 (CAN BE ORDERED SEPARATELY)

| Ref          | Description                                                    | Fam. | Subfa m. | Disp. Stock |  |
|--------------|----------------------------------------------------------------|------|----------|-------------|--|
| V3010-2R-15B | WS2/WS2H INJECTOR R MODIFIED ASSEMBLY W/3010-15B(12" DOWNFLOW) | 25   | 860      | NO          |  |
| V3010-2S-15C | WS2/WS2H INJECTOR S MODIFIED ASSEMBLY W/3010-15C(13" DOWNFLOW) | 25   | 860      | NO          |  |
| V3010-2T-15D | WS2/WS2H INJECTOR T MODIFIED ASSEMBLY W/3010-15D(14" DOWNFLOW) | 25   | 860      | NO          |  |
| V3010-2U-15E | WS2/WS2H INJECTOR U MODIFIED ASSEMBLY W/3010-15E(16" DOWNFLOW) | 25   | 860      | NO          |  |
| V3010-2A     | WS2/2H/3 INJECTOR ASSEMBLY A                                   | 25   | 860      | OK          |  |
| V3010-2B     | WS2/2H/3 INJECTOR ASSEMBLY B                                   | 25   | 860      | OK          |  |
| V3010-2C     | WS2/2H/3 INJECTOR ASSEMBLY C                                   | 25   | 860      | OK          |  |
| V3010-2D     | WS2/2H/3 INJECTOR ASSEMBLY D                                   | 25   | 860      | OK          |  |
| V3010-2E     | WS2/2H/3 INJECTOR ASSEMBLY E                                   | 25   | 860      | OK          |  |
| V3010-2F     | WS2/2H/3 INJECTOR ASSEMBLY F                                   | 25   | 860      | OK          |  |
| V3010-2G     | WS2/2H/3 INJECTOR ASSEMBLY G                                   | 25   | 860      | OK          |  |

| Ref          | Typical Tank Diameter/ Down Flow Brine | Typical Tank Diameter/ Up Flow Brine |
|--------------|----------------------------------------|--------------------------------------|
| V3010-2R-15B | 12"                                    | 14"                                  |
| V3010-2S-15C | 13"                                    | 16"                                  |
| V3010-2T-15D | 14"                                    | 18"                                  |
| V3010-2U-15E | 16"                                    | 21"                                  |
| V3010-2A     | 18"                                    | 24"                                  |
| V3010-2B     | 21"                                    | 30"                                  |
| V3010-2C     | 24"                                    | 36"                                  |
| V3010-2D     | 30"                                    | 42"                                  |
| V3010-2E     | 36"                                    | 48"                                  |
| V3010-2F     | 42"                                    | n/a                                  |
| V3010-2G     | 48                                     | n/a                                  |

**Note:** Injector Recommendations - Above injectors are for downflow brining units,

- For upflow brining units the injector should be "down-sized" two tank sizes.
- Example: A 24" downflow softener would use a "C" injector, where as a 24" upflow softener would use an "A" injector



## JY Residential Volumetric Valve



- Electronic volumetric programmable valve, suitable for automatic and residential water softening systems;
- Valve body in PPO;
- Operating system based on the movement of a ceramic disc and a piston (brine line) driven by a gear wheel;
- Regeneration upflow;
- Operating flow rate  $K_v = 3,5$ ; Backwash flow rate  $K_v = 1,1$ ;
- Resin volume range =  $5 \div 75$  liters;
- With Injector mounted (one size fits all), European transformer 12/230V – 50Hz, upper screen, n.1 Base Seal O-ring, n.1 Drain Hose Connector, n.1 Brine Tube Hose Connector, air-check, volumetric meter;
- By-pass available for purchase separately (GU313);
- Allows the configuration of multiple relay output modes;
- Equipped with an RS-485 communication interface.

**NOTE:** the optional by-pass is shown installed in the image.

| Ref.  | Description                             | Fam. | Subfam. | Disp. Stock |  |
|-------|-----------------------------------------|------|---------|-------------|--|
| GU022 | VALV. AUT. SOFT. GR2-2BLCD VOL. 3/4" UF | 24   | 914     | OK          |  |

| Characteristics:                              |                               |
|-----------------------------------------------|-------------------------------|
| Tank size                                     | 6" ÷ 13"                      |
| Connections In/Out                            | Threaded 3/4" male BSPT       |
| Pressure vessel connection                    | Threaded 2 1/2" - 8 NPSM male |
| Drain line connection                         | 1/2"                          |
| Brine line connection                         | 3/8" tube                     |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)               |
| Distributor tube length above pressure vessel | 0 ± 2 mm                      |
| Weight (valve + controller)                   | 1,5 kg                        |
| Operating pressure                            | 1,5 ÷ 6,0 bar                 |
| Water Temperature                             | 5°C ÷ 45°C                    |

| Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|------------|-----------|-------------|---------------|--------------|----------------|
|            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors  |
|--------------|--------------|----------|
| CE, NSF61    | JY           | Domestic |

### Specific accessories and spare part

| Ref.  | Description                                | Fam. | SubFa m. | Disp. Stock |  |
|-------|--------------------------------------------|------|----------|-------------|--|
| GU300 | YF-300 BRINE VALVE                         | 24   | 915      | OK          |  |
| GU313 | BYPASS FOR VALV. GR2-2BLCD                 | 24   | 915      | OK          |  |
| GU351 | AIR CHECK FOR VALV. GR2-2BLCD              | 24   | 915      | OK          |  |
| GU352 | IN-OUT CONNECTIONS FOR VALV. GR2-2BLCD     | 24   | 915      | OK          |  |
| GU353 | TURBINE FOR VALV. GR2-2BLCD                | 24   | 915      | OK          |  |
| GU367 | EUROPEAN POWER ADAPTER FOR VALV. GR2-2BLCD | 24   | 915      | OK          |  |
| GU368 | UK POWER ADAPTER FOR VALV. GR2-2BLCD       | 24   | 915      | OK          |  |
| GU371 | UPPER SCREEN FOR VALV. GR2-2BLCD           | 24   | 915      | OK          |  |



## JY Manual Valve

### Manual multiport valve max 15 m<sup>3</sup>/h

- Three-cycle operation: service, backwash, rinse;
- Threaded connection for tanks with 4"-8UN fitting;
- Inlet, outlet and drain connections: 1.5" (SD10) and 2" (SD10-63);
- Central pipe diameter: 50 mm;
- Maximum flow rate: 15 m<sup>3</sup>/h (valve only);
- Maximum operating pressure: 6 bar;
- Maximum operating temperature: 45°C;
- Upper-screen to be purchased separately (GU391);

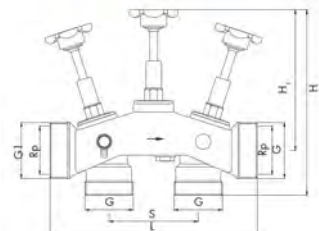
| Ref.  | Description                 | Fam. | SubFa<br>m. | Disp.<br>Stock |  |
|-------|-----------------------------|------|-------------|----------------|--|
| GU061 | MANUAL VALVE 1,5" BSP SD10  | 26   | 921         | OK             |  |
| GU063 | MANUAL VALVE 2" BSP SD10-63 | 26   | 921         | OK             |  |

| Ref.  | Box: WxLxH | Box: Q.ty | Box: Weight | Pallet: WxLxH | Pallet: Q.ty | Pallet: Weight |
|-------|------------|-----------|-------------|---------------|--------------|----------------|
| GU061 |            |           |             |               |              |                |
| GU063 |            |           |             |               |              |                |

| Certificates | Manufacturer | Sectors    |
|--------------|--------------|------------|
| NSF61 CE     | JY           | Industrial |



## MIXING ASSEMBLY AND BYPASS BRASS



- Universal connection assembly for water softening systems;
- Brass body;
- Integrated bypass system for quick system maintenance;
- Equipped with fine adjustment screw for residual hardness control;
- Equipped with sampling port;
- Easy installation with standard threaded connections;
- Fiberglass-reinforced technopolymer handle;
- Ideal for PN10 water softening systems.

| Ref   | Description                                | Fam. | Subfam. | Disp. Stock |  |
|-------|--------------------------------------------|------|---------|-------------|--|
| CC133 | MIXING ASSEMBLY AND BYPASS BRASS 1" - PN10 | 20   | 82      | OK          |  |

| Specifications:            |           |
|----------------------------|-----------|
| DN                         | 25        |
| Flow rate                  | 13,2 m3/h |
| Maximum operating pressure | 10 bar    |
| Maximum water temperature  | 90°C      |
| Body material              | Brass     |
| Seal material              | EDPM      |
| Inlet connections          | 1"        |
| Outlet connections         | 1"        |

### Dimensions:

| Ref   | S     | L      | H        | H1       |
|-------|-------|--------|----------|----------|
| CC133 | 86 mm | 165 mm | 161,5 mm | 121,5 mm |

| Box: LxPxH | Box: Q.tà | Box: Peso | Pallet: LxPxH | Pallet: Q.tà | Pallet: Peso |
|------------|-----------|-----------|---------------|--------------|--------------|
|            |           |           |               |              |              |

| Certificates                  | Manufacturer | Sectors              |
|-------------------------------|--------------|----------------------|
| EN1213, EN13959, ZW110, ZW124 |              | Domestic, Commercial |