



Valves,  
controllers  
and accessories



## 366-604 Autotrol Residential Valves



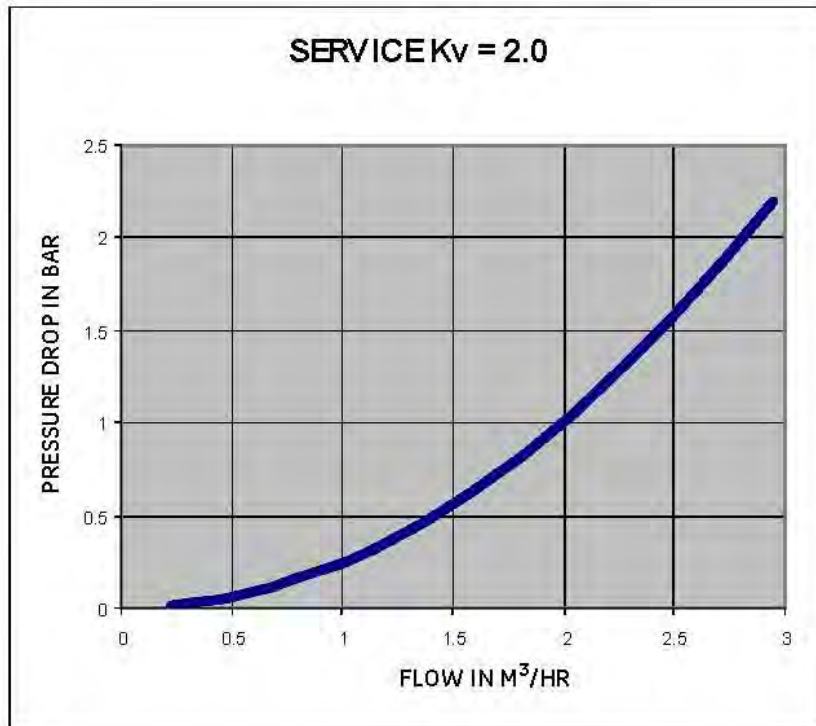
- for automatic and residential water softening systems;
- valve body in NSF listed Noryl plastic material;
- valve rubber compounded for cold water, NSF listed material;
- operating flow rate  $K_v = 2$ ;
- backwash flow rate = 7 lpm @  $\Delta p$  1,72 bar;
- resin volume range = 5 ÷ 25 litres;
- with 606 electronic volumetric controller;
- with European transformer 12/230V – 50Hz;
- accessories (e.g. upper screen, etc.) not included.



| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Brine line connection                         | Threaded ¾" BSPT male     |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | ± ½" (= ± 13 mm)          |
| Weight (valve + controller)                   | 1,7 kg                    |



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model   | Description             |  |
|---------|-------------------------|--|
| 366/604 | Electronic Chronometric |  |

## 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 Kv = 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.

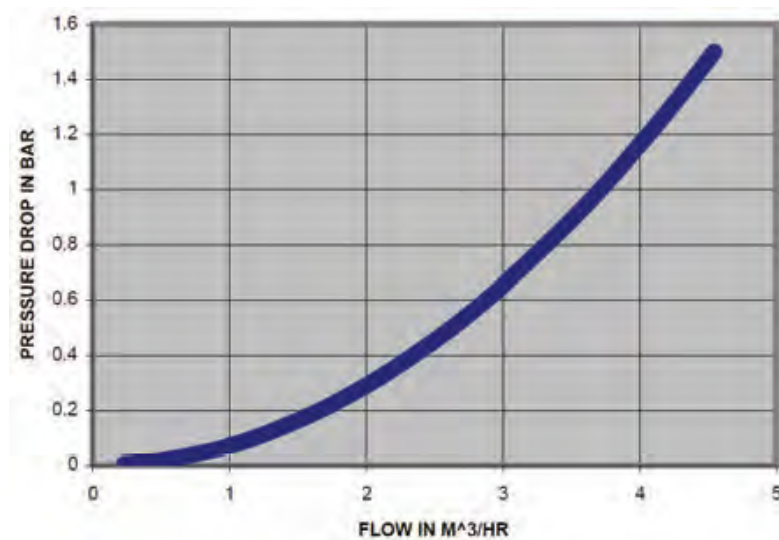


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Brine line connection                         | Threaded ¾" BSPT male     |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | ± ½" (= ± 13 mm)          |
| Weight (valve + controller)                   | 1,7 kg                    |



## Pressure Drop Diagram

SERVICE Kv = 3,7



| Recommended Operating Condition |                 |
|---------------------------------|-----------------|
| Operating pressure              | 1,38 ÷ 8,27 bar |
| Water temperature               | 2°C ÷ 38°C      |

| Model       | Description                       |  |
|-------------|-----------------------------------|--|
| 368/604     | Electronic Chronometric           |  |
| 368/606 (*) | Electronic Volumetric             |  |
| 368/606B    | Electronic volumetric with bypass |  |

(\*) NOTE: It's not possible to coupling the bypass with a valve shipped without bypass.



# Autotrol Residential Valves Series 255 with Series 400 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  $K_v = 3,4$ ;
- backwash flow rate = 22,7 lpm @  $\Delta p$  1,72 bar;
- resin volume range = 5 ÷ 75 litres;
- available with series 400 controller (see 01-03-01-EN data sheet):
  - 460tc electronic chronometric;
  - 460i electronic volumetric;
- with European transformer 12/230V – 50Hz, except models with 450i pulse controller which need separate alimention 24V – 50Hz;
- adapters and manifold kit not included, to order separately: see 01-04-01-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.

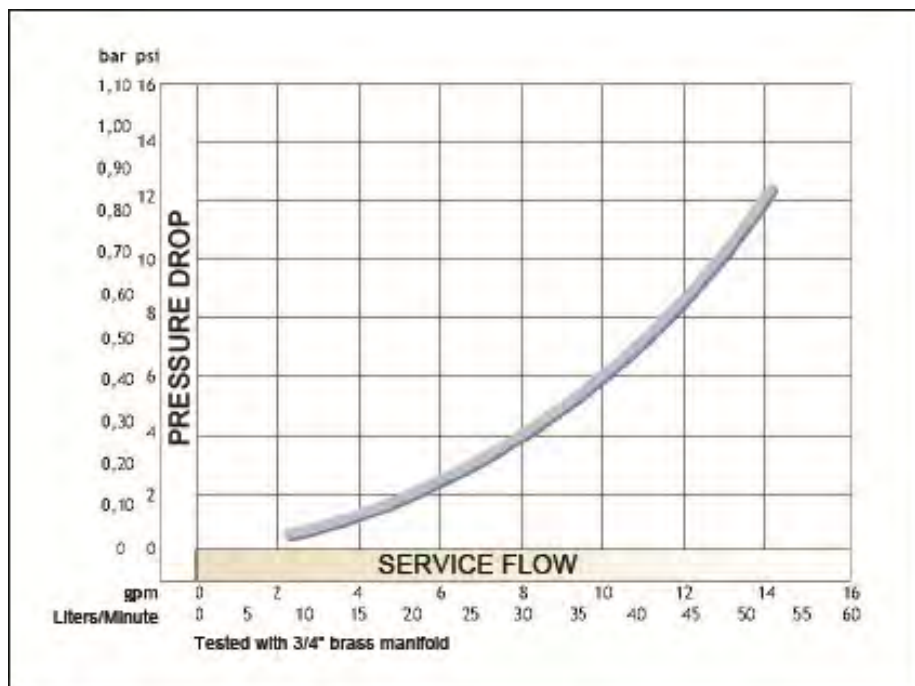


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Brine line connection                         | Threaded ¼" NPT male      |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | 29 ± 3 mm                 |
| Weight (valve + controller)                   | 1,8 kg                    |

# Autotrol Residential Valves Series 255 with Series 400 Controller



## Pressure Drop Diagram



### Recommended Operating Conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,38 ÷ 8,27 bar |
| Water temperature  | 2°C ÷ 38°C      |

| Model     | Description                                   | Option   |  |
|-----------|---|----------|--|
| 255/460tc | Electronic Chronometric: 118'                 | 59'      |  |
| 255/460tc | Electronic Chronometric 118' modular camshaft | XS       |  |
| 255/460i  | Electronic Volumetric 118'                    | 59'      |  |
| 255/460i  | Electronic Volumetric modular camshaft        | XS-LR-WS |  |

# Autotrol Residential Valves Series 255 with Series Logix 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  $K_v = 3,4$ ;
- backwash flow rate = 22,7 lpm @  $\Delta p$  1,72 bar;
- resin volume range = 5 ÷ 75 litres;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 740 C electronic chronometric;
  - 760 C electronic volumetric;
  - 742 C electronic chronometric programmable;
  - 762 C electronic volumetric programmable;
- with European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-01-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.



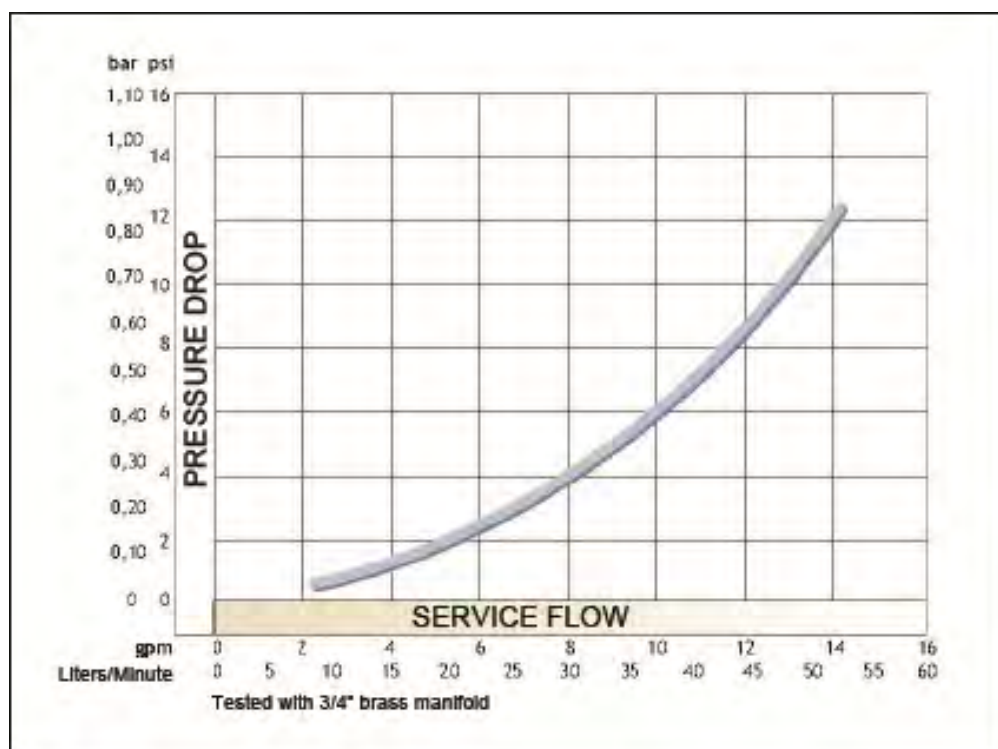
| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Brine line connection                         | Threaded ¼" NPT male      |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | 29 ± 3 mm                 |
| Weight (valve + controller)                   | 1,8 kg                    |



# Autotrol Residential Valves Series 255 with Series Logix Controller



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model         | Description                          |
|---------------|--------------------------------------|
| 255/740 Logix | Electronic Chronometric              |
| 255/742 Logix | Electronic Chronometric Programmable |
| 255/760 Logix | Electronic Volumetric                |
| 255/762 Logix | Electronic Volumetric Programmable   |

## 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 (see 01-03-02-EN data sheet);
- 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, see 01-04-01-EN data sheet) and accessories (e.g. upper screen, etc.) not included, to order separately: see 01-04-05-EN data sheet.

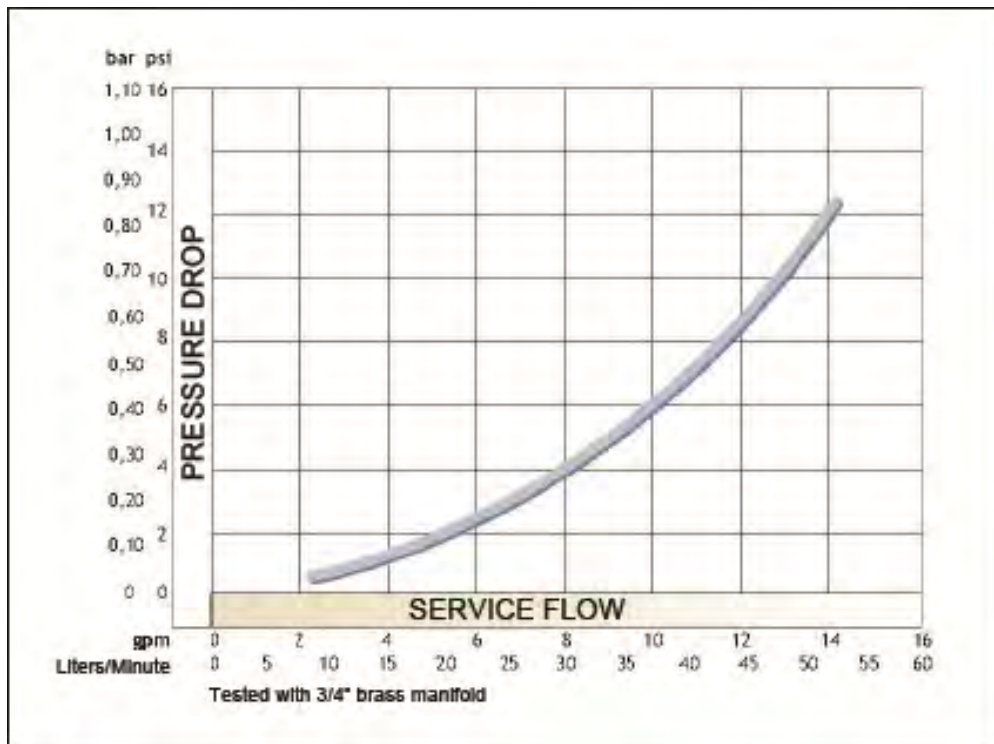


| Characteristics                               |   |
|---|---|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male                         |
| Drain line connection                         | Threaded ½" male, included in interconnection kit |
| Brine line connection                         | 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  |

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



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model        | Description                             |  |
|--------------|---|--|
| 255/764 TWIN | 255/764 twin w/o interconnecting piping |  |

# Autotrol Residential Valves Series 255 with 764 Controller for Multitank Systems



- for automatic and residential / commercial water softening systems;
- with electronic volumetric 764 controller (see 01-03-02-EN data sheet);
- for alternating systems;
- 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;
- with European transformer 12/230V – 50Hz for each valve;
- adapters and manifold kit not included, to order separately:  
see 01-04-01-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.



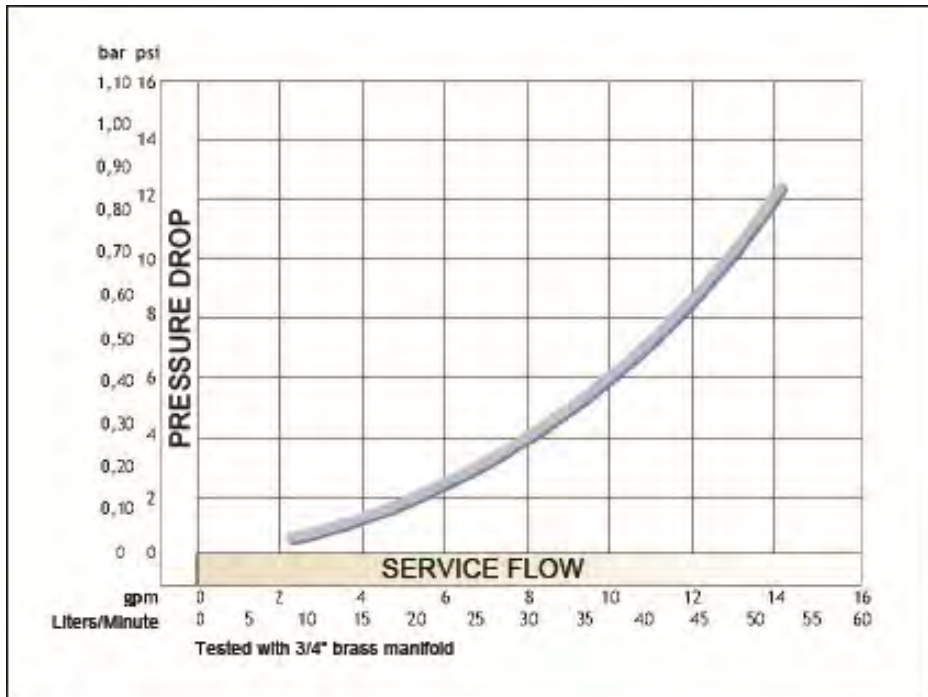
## Characteristics

|   |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| 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                    |

# Autotrol Residential Valves Series 255 with 764 Controller for Multitank Systems



## Pressure Drop Diagram



### Recommended Operating Conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,38 ÷ 8,27 bar |
| Water temperature  | 2°C ÷ 38°C      |

| Model       | Description                          |  |
|-------------|--------------------------------------|--|
| 255/764 SIN | 255/764 single multi tank Volumetric |  |

## Autotrol Residential Valves Series 268 with Series 400 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 = 50,4 lpm @  $\Delta p$  1,7 bar;
- resin volume range = 30 ÷ 125 litres;
- available with series 400 controller (see 01-03-01-EN data sheet):
  - 460tc electronic chronometric;
  - 460i electronic volumetric;
- with European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.

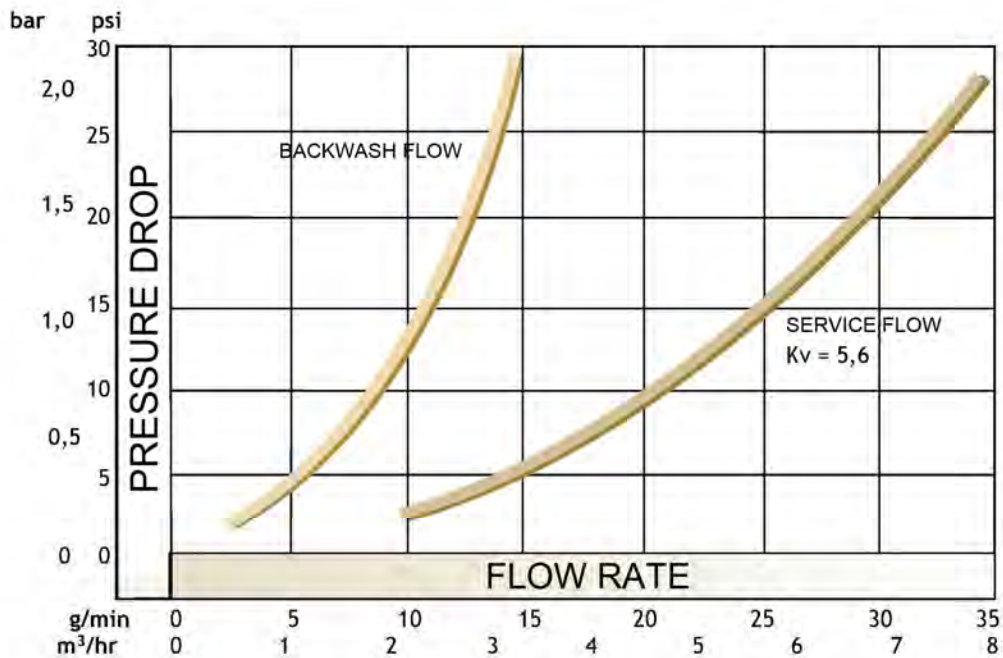


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male     |
| Brine line connection                         | Threaded ¾" NPT, male     |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | 29 ± 3 mm                 |
| Weight (valve + controller)                   | 2,00 kg                   |

# Autotrol Residential Valves Series 268 with Series 400 Controller



## Pressure Drop Diagram



### Recommended Operating Conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,38 ÷ 8,27 bar |
| Water temperature  | 2°C ÷ 38°C      |

| Model     | Description                   | Option |  |
|-----------|-------------------------------|--------|--|
| 268/460tc | Electronic Chronometric: 118' | XS     |  |
| 268/460i  | Electronic Volumetric: 118'   | XS     |  |

# Autotrol Residential Valves Series 263 with 460tc Controller



- for automatic and residential water filtration systems;
- with 460tc electronic chronometric controller (see 01-03-01-EN data sheet);
- 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 European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (ex. upper screen, etc.) not included.



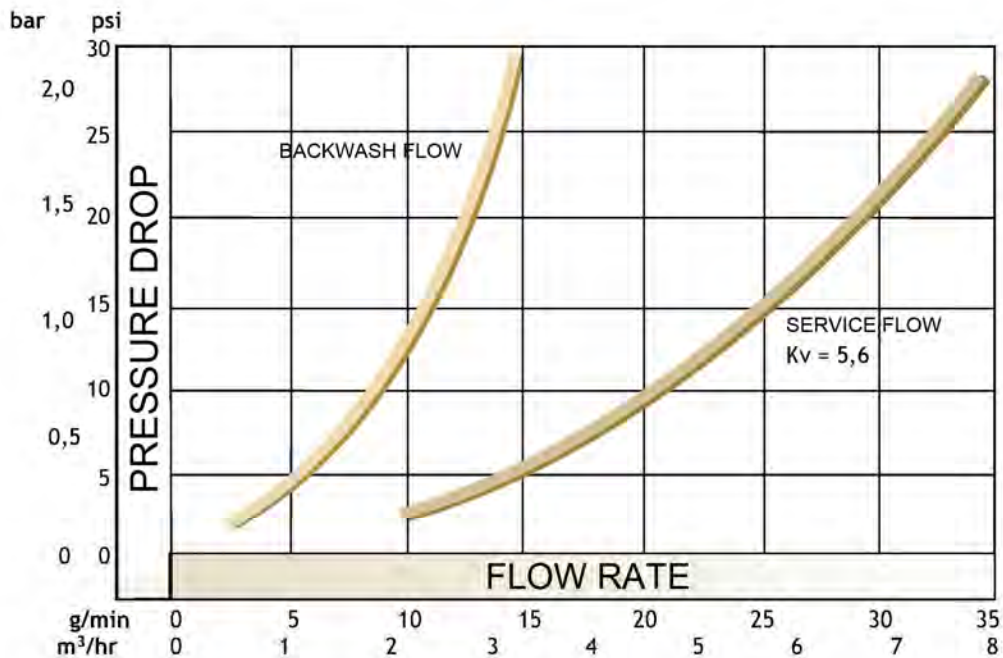
| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male     |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)           |
| Distributor tube length above pressure vessel | 29 ± 3 mm                 |
| Weight (valve + controller)                   | 2,00 kg                   |
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |



# Autotrol Residential Valves Series 263 with 460tc Controller



## Pressure Drop Diagram



### Recommended Operating Conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,38 ÷ 8,27 bar |
| Water temperature  | 2°C ÷ 38°C      |

| Model     | Description                                   |
|-----------|---|
| 263/460tc | Electronic Chronometric: 118' 3 filter cycles |

# Autotrol Residential Valves Series 268 with Series Logix 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 series LOGIX controller (see 01-03-02-EN data sheet):
  - 740 C electronic chronometric;
  - 760 C electronic volumetric;
  - 742 C electronic chronometric programmable;
  - 762 C electronic volumetric programmable;
- with European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included;
- for 268FA/742 and 268FA/762 models see 01-01-10-EN data sheet.

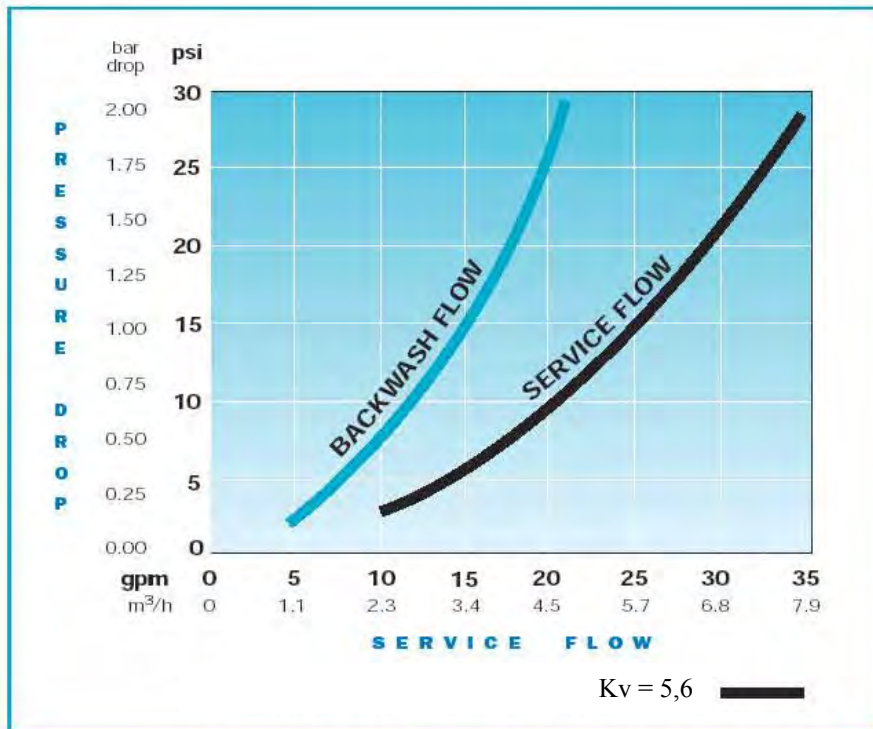


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male     |
| Brine line connection                         | 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                   |

# Autotrol Residential Valves Series 268 with Series Logix Controller



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model         | Description                          |  |
|---------------|--------------------------------------|--|
| 268/740 Logix | Electronic Chronometric              |  |
| 268/742 Logix | Electronic Chronometric Programmable |  |
| 268/760 Logix | Electronic Volumetric                |  |
| 268/762 Logix | Electronic Volumetric Programmable   |  |

# Autotrol Residential Valves Series 263 with Series Logix 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 @  $\Delta p$  1,72 bar;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 740 F electronic chronometric;
  - 760 F electronic volumetric;
  - 742 F electronic chronometric programmable;
  - 762 F electronic volumetric programmable;
- with European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.

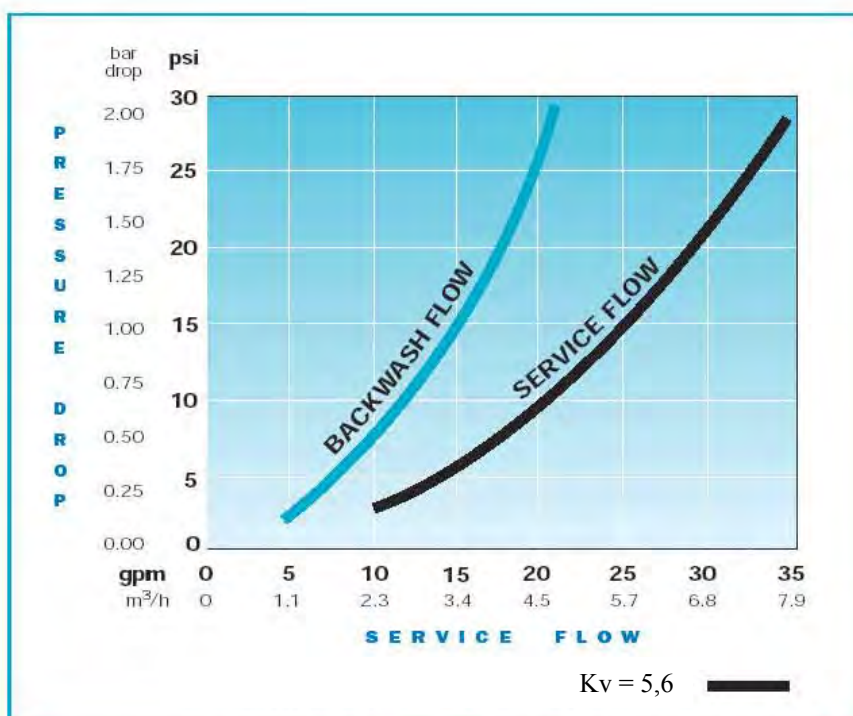


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male     |
| Distributor tube O. D. diameter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

# Autotrol Residential Valves Series 263 with Series Logix Controller



## Pressure Drop Diagram



### Recommended Operating Conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,38 ÷ 8,27 bar |
| Water temperature  | 2°C ÷ 38°C      |

| Model          | Description  |
|----------------|--|
| 263/740F Logix | Electronic Chronometric – 3 filter cycles              |
| 263/742F Logix | Electronic Chronometric Programmable – 3 filter cycles |
| 263/760F Logix | Electronic Volumetric – 3 cycles filter                |
| 263/762F Logix | Electronic Volumetric Programmable – 3 filter cycles   |

# Autotrol Residential Valves Series 268FA with Series Logix 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 @  $\Delta p$  1,72 bar;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 742 F electronic chronometric programmable;
  - 762 F electronic volumetric programmable;
- with European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.

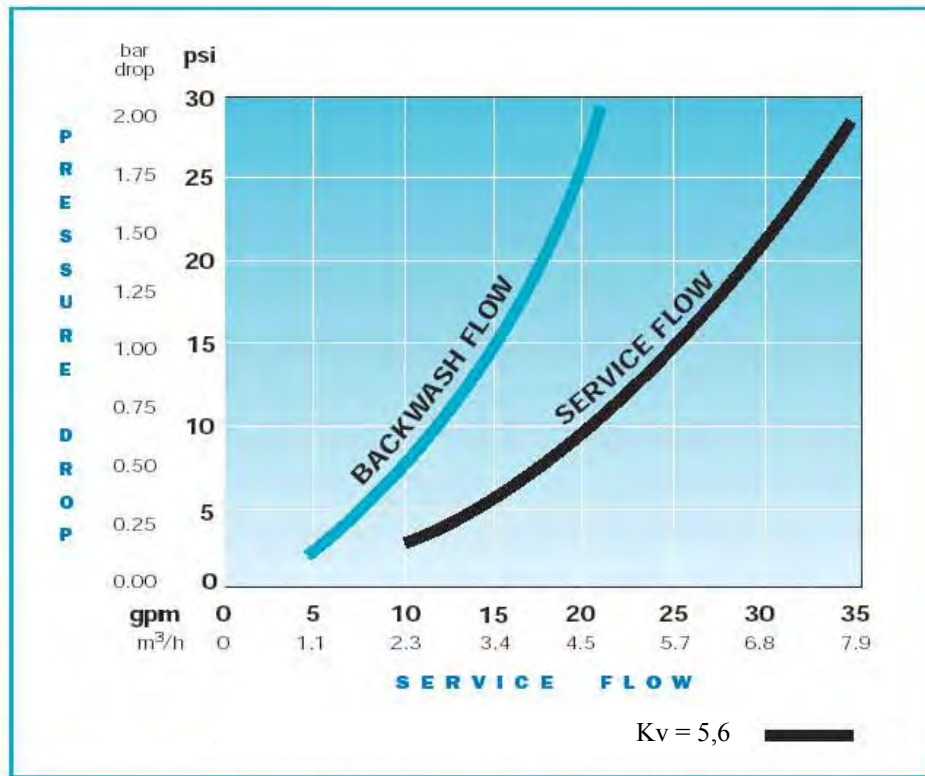


| Characteristics                               |                                    |
|---|------------------------------------|
| Pressure vessel connection                    | Threaded 2 1/2" - 8 UN male        |
| Drain line connection                         | Threaded 3/4" NPT, male            |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)                    |
| Distributor tube length above pressure vessel | 1/2" $\pm$ 1/2" (= 13 $\pm$ 13 mm) |
| Weight (valve + controller)                   | 2,42 kg                            |
| Pressure vessel connection                    | Threaded 2 1/2"- 8 UN male         |

# Autotrol Residential Valves Series 268FA with Series Logix Controller



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model           | Description  |
|-----------------|--|
| 268FA/742 Logix | Electronic Chronometric Programmable – 5 filter cycles |

# Autotrol Residential Valves Series 278 with Series Logix 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 @  $\Delta p$  1,72 bar;
- resin volume range = 45 ÷ 225 litres;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 742 C electronic chronometric programmable;
  - 762 C electronic volumetric programmable;
- with European transformer 12/230V – 50Hz;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.



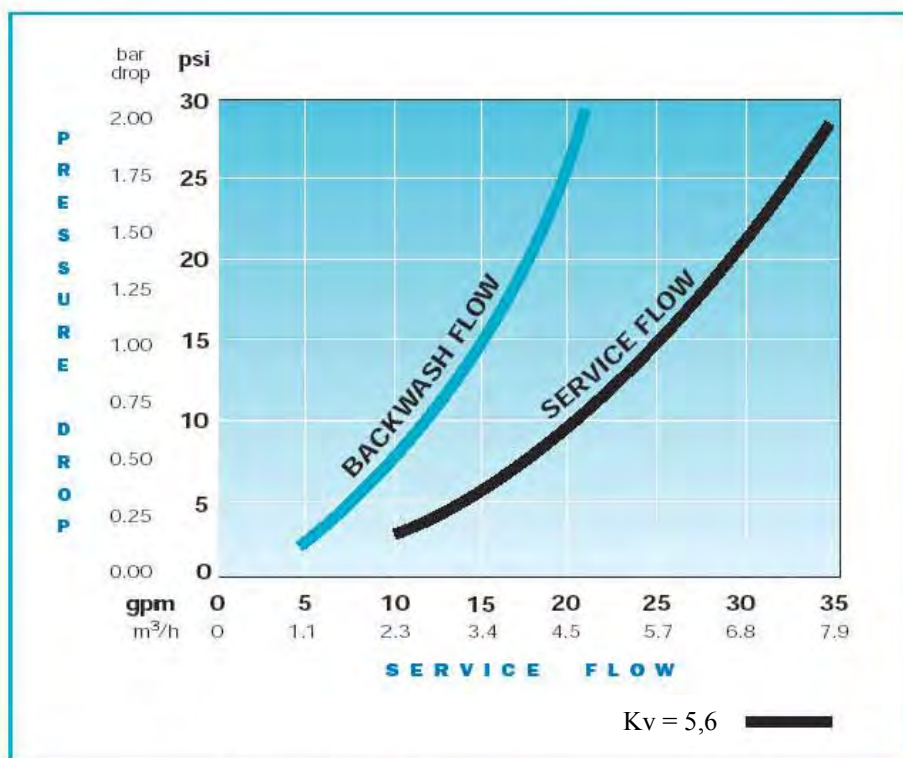
| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male     |
| Brine line connection                         | Threaded ⅜" 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                   |



# Autotrol Residential Valves Series 278 with Series Logix Controller



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model         | Description                          |
|---------------|--------------------------------------|
| 278/742 Logix | Electronic Chronometric Programmable |
| 278/762 Logix | Electronic Volumetric Programmable   |

## 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 (see 01-03-02-EN data sheet);
- 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 (see 01-04-03-EN data sheet) and accessories (e.g. upper screen, etc.) not included, to order separately: see 01-04-02-EN and 01-04-05-EN data sheets.

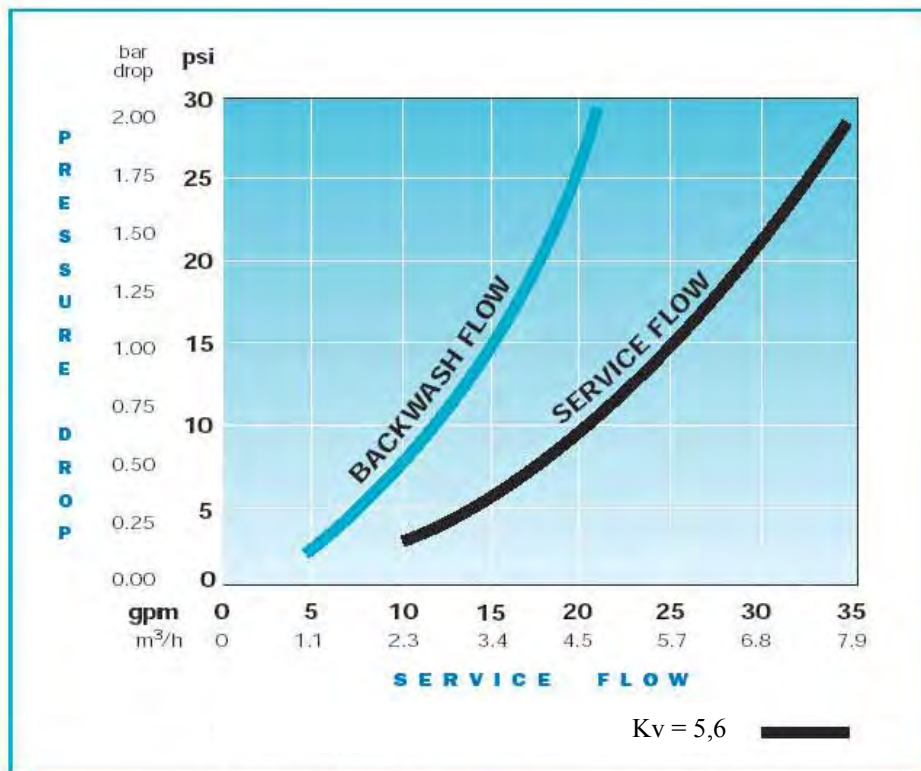


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Drain line connection                         | Threaded ¾" NPT, male     |
| Brine line connection                         | 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                   |

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



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model        | Description                             |  |
|--------------|---|--|
| 278/764 TWIN | 278/764 twin w/o interconnecting piping |  |

# Autotrol Residential Valves Series 278 with 764 Controller for Multitank Systems



- for automatic and residential / commercial water softening systems;
- with electronic volumetric 764 controller (see 01-03-02-EN data sheet);
- for parallel systems;
- 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;
- with European transformer 12/230V – 50Hz for each valve;
- adapters and manifold kit not included, to order separately:  
see 01-04-02-EN and 01-04-05-EN data sheets;
- accessories (e.g. upper screen, etc.) not included.

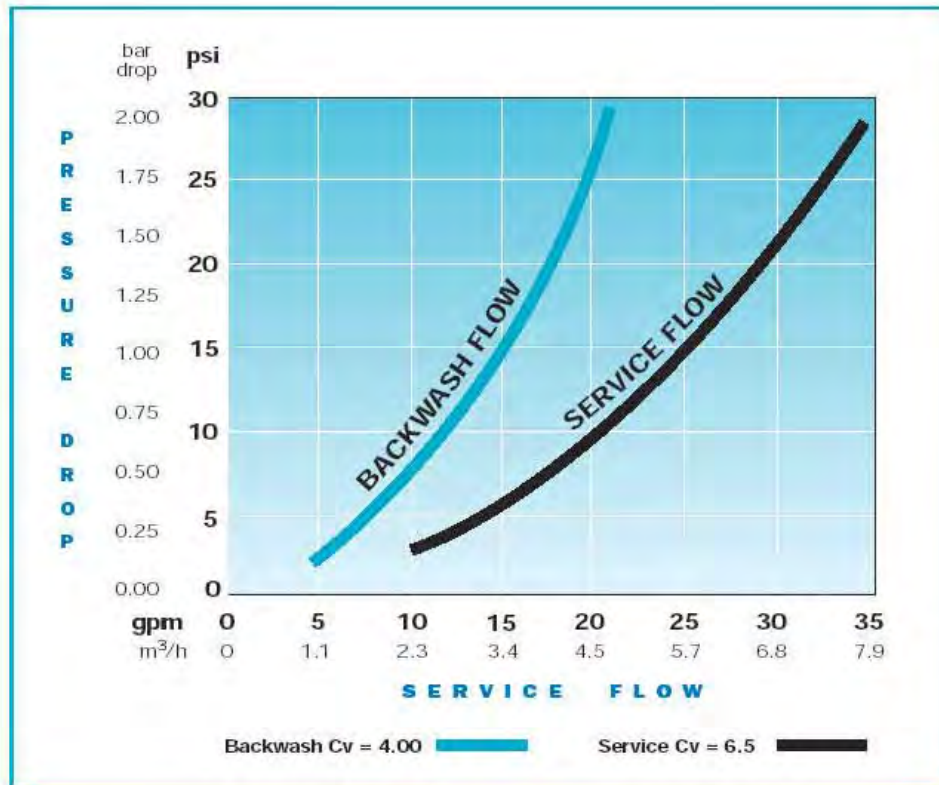


| Characteristics                               |                           |
|---|---------------------------|
| Pressure vessel connection                    | Threaded 2 ½" - 8 UN male |
| Connesione linea di scarico                   | Threaded ¾" NPT, male     |
| Brine line connection                         | Threaded ⅜" 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                   |

# Autotrol Residential Valves Series 278 with 764 Controller for Multitank Systems



## Pressure Drop Diagram



| Recommended Operating Conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,38 ÷ 8,27 bar |
| Water temperature                | 2°C ÷ 38°C      |

| Model       | Description                          |  |
|-------------|--------------------------------------|--|
| 278/764 SIN | 278/764 single multi tank Volumetric |  |

# 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 (for heavy applications, like iron removal using  $KMnO_4$  or decarbonisation using HCl, the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate  $K_v = 17$ ;
- backwash flow rate = 337 lpm @  $\Delta p$  1,72 bar;
- resin volume range = 100 ÷ 700 litres;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 742 electronic chronometric programmable;
  - 762 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: see 01-04-04-EN and 01-04-05-EN data sheets;
- 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, see 01-04-04-EN data sheet).

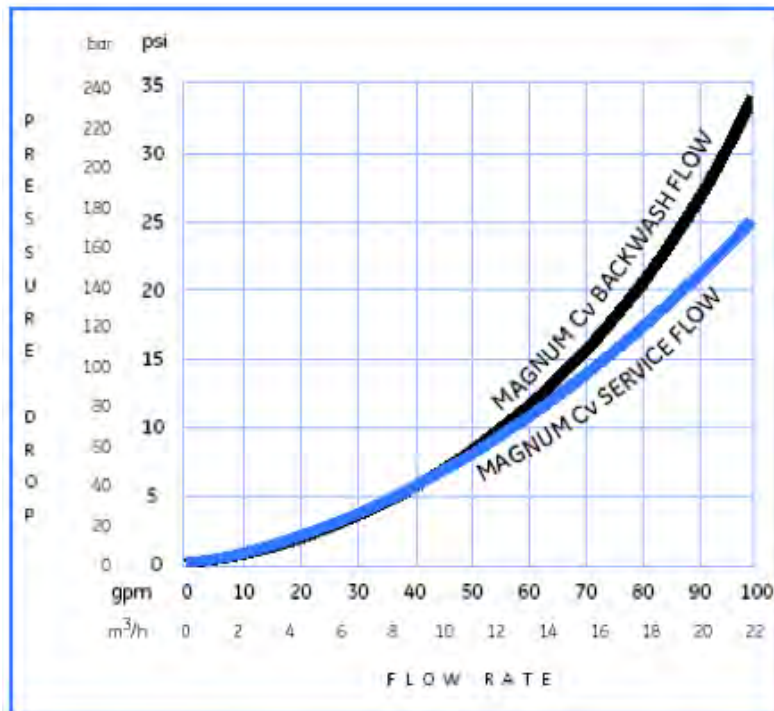


| Characteristics                               |  |
|---|--|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                        |
| Drain line connection                         | 1,5" brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | 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                              |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |

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



## Pressure Drop Diagram



### Recommended Operating Conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,72 ÷ 6,90 bar |
| Water temperature  | 1°C ÷ 36°C      |

| Model         | Description                          | Note                   |  |
|---------------|--------------------------------------|------------------------|--|
| MG Cv 742-HWB | Electronic Chronometric Programmable | With hard water bypass |  |
| MG Cv 742-NHB | Electronic Chronometric Programmable | Without bypass         |  |
| MG Cv 762-HWB | Electronic Volumetric Programmable   | With hard water bypass |  |
| MG Cv 762-NHB | Electronic Volumetric Programmable   | Without bypass         |  |

# 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 (for heavy applications, like sea water, the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate Kv = 17;
- backwash flow rate = 337 lpm @  $\Delta p$  1,72 bar;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 742 F electronic chronometric programmable;
  - 762 F 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: see 01-04-04-EN and 01-04-05-EN data sheets;
- PVC 2" side mounting adapter available on demand (REF. CC084, see 01-04-04-EN data sheet).



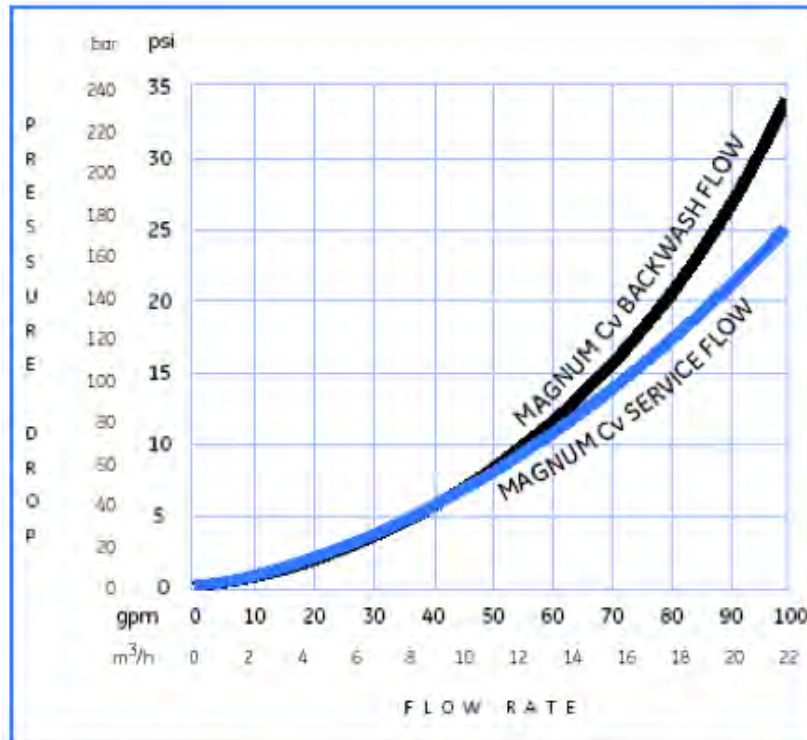
| <b>Characteristics</b>                        |  |
|---|--|
| Pressure vessel connection                    | Threaded 4 "- 8 UN male                        |
| Drain line connection                         | 1,5" brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | Threaded ¾" NPT male                           |
| Distributor tube O. D. diameter               | 1,5 " (= 48,3 mm)                              |
| Pilot drain and auxiliary hydraulic out       | ¼" tube fitting                                |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |



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



## Pressure Drop Diagram



| Recommended operating conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,72 ÷ 6,90 bar |
| Water temperature                | 1°C ÷ 36°C      |

| Model          | Description                                     | Note                  |  |
|----------------|---|-----------------------|--|
| MG Cv 742F-UWB | Electronic Chronometric Programmable Filtration | With raw water bypass |  |
| MG Cv 742F-NUB | Electronic Chronometric Programmable Filtration | Without bypass        |  |
| MG Cv 762F-UWB | Electronic Volumetric Programmable Filtration   | With raw water bypass |  |
| MG Cv 762F-NUB | Electronic Volumetric Programmable Filtration   | Without bypass        |  |

# 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 (for heavy applications, like iron removal using  $KMnO_4$  or decarbonisation using HCl, the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate  $K_v = 17$ ;
- backwash flow rate = 337 lpm @  $\Delta p$  1,72 bar;
- resin volume range = 100 ÷ 700 litres;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 742 electronic chronometric programmable;
  - 762 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: see 01-04-04-EN and 01-04-05-EN data sheets;
- 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, see 01-04-04-EN data sheet).

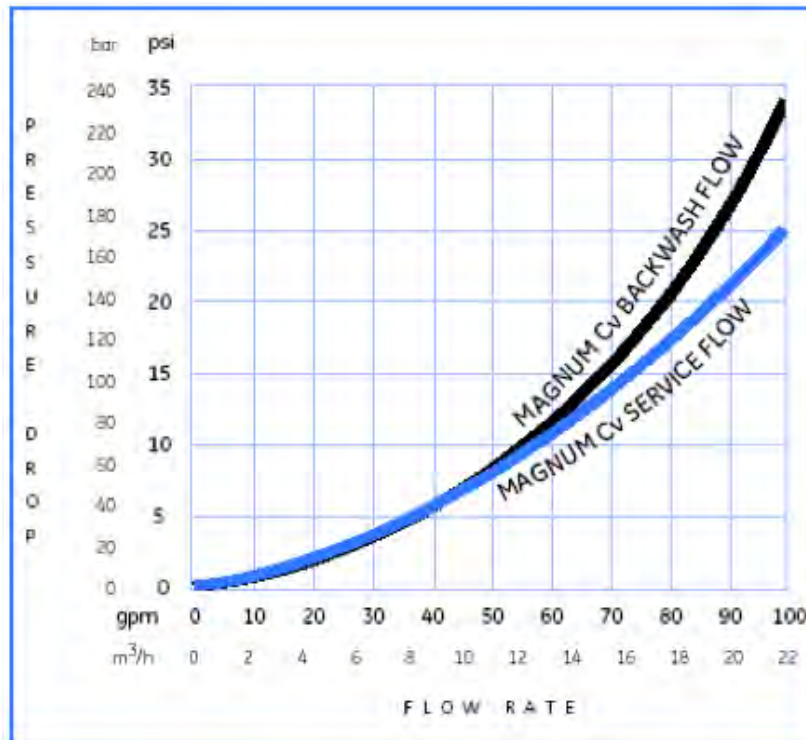


| Characteristics                               |  |
|---|--|
| Pressure vessel connection                    | Threaded 4 ”- 8 UN male                        |
| Drain line connection                         | 1,5” brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | Threaded ¾” NPT male                           |
| Distributor tube O. D. diameter               | 1,5 ” (= 48,3 mm)                              |
| Pilot drain and auxiliary hydraulic out       | ¼” tube fitting                                |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |

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



## Pressure Drop Diagram



| Recommended operating conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,72 ÷ 6,90 bar |
| Water temperature                | 1°C ÷ 36°C      |

| Model          | Description                          | Note                   |  |
|----------------|--------------------------------------|------------------------|--|
| MG IT 742- HWB | Electronic Chronometric Programmable | With hard water bypass |  |
| MG IT 742- NHB | Electronic Chronometric Programmable | Without bypass         |  |
| MG IT 762- HWB | Electronic Volumetric Programmable   | With hard water bypass |  |
| MG IT 762- NHB | Electronic Volumetric Programmable   | Without bypass         |  |

# 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 (for heavy applications, like sea water, the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate  $K_v = 17$ ;
- backwash flow rate = 337 lpm @  $\Delta p$  1,72 bar;
- available with series LOGIX controller (see 01-03-02-EN data sheet):
  - 742 F electronic chronometric programmable;
  - 762 F 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: see 01-04-04-EN and 01-04-05-EN data sheets;
- PVC 2" side mounting adapter available on demand (REF. CC084, see 01-04-04-EN data sheet).

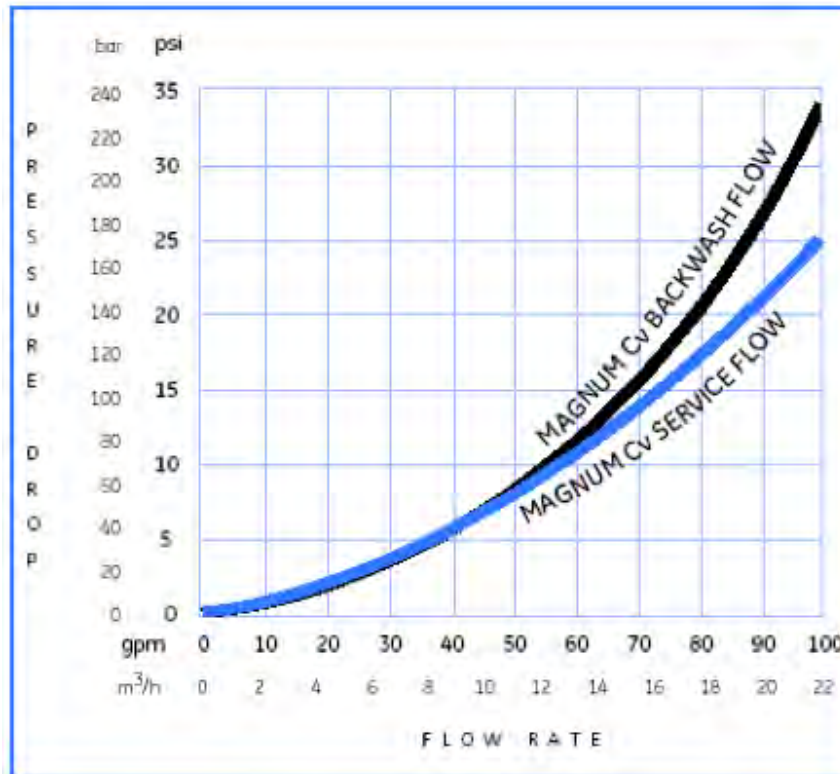


| Characteristics                               |  |
|---|--|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                        |
| Drain line connection                         | 1,5" brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | 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                              |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |

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



## Pressure Drop Diagram



### Recommended operating conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,72 ÷ 6,90 bar |
| Water temperature  | 1°C ÷ 36°C      |

| Model          | Description                                     | Note                  |  |
|----------------|---|-----------------------|--|
| MG IT 742- UWB | Electronic Chronometric Programmable Filtration | With raw water bypass |  |
| MG IT 742- NUB | Electronic Chronometric Programmable Filtration | Without bypass        |  |
| MG IT 762- UWB | Electronic Volumetric Programmable Filtration   | With raw water bypass |  |
| MG IT 762- NUB | Electronic Volumetric Programmable Filtration   | Without bypass        |  |

# 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 (see 01-03-02-EN data sheet);
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter (for heavy applications, like iron removal using  $\text{KMnO}_4$  or decarbonisation using  $\text{HCl}$ , the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate for each tank  $K_v = 17$ ;
- 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: see 01-04-04-EN and 01-04-05-EN data sheets;
- 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, see 01-04-04-EN data sheet);
- interconnection not included.

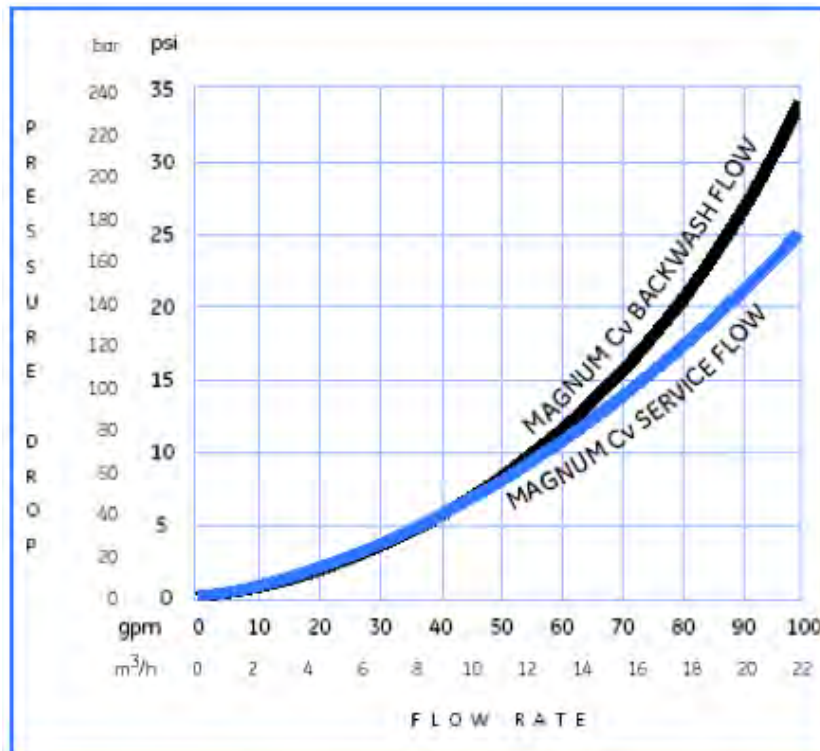


| Characteristics                               |  |
|---|--|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                        |
| Drain line connection                         | 1,5" brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | 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                              |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |

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



## Pressure Drop Diagram



| Recommended operating conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,72 ÷ 6,90 bar |
| Water temperature                | 1°C ÷ 36°C      |

| Model          | Description                                      | Note           |  |
|----------------|--|----------------|--|
| MG IT 764 TWIN | Twin Alternating/Parallel – Softening/Filtration | Without bypass |  |

# Autotrol Industrial Softening Magnum IT 2" Valves with 764 Controller for Multitank Systems



- for automatic and industrial water softening systems;
- with electronic volumetric 764 controller (see 01-03-02-EN data sheet);
- for parallel systems;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter (for heavy applications, like iron removal using  $KMnO_4$  or decarbonisation using HCl, the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate for each tank  $K_v = 17$ ;
- 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 for each valve;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately: see 01-04-04-EN and 01-04-05-EN data sheets;
- 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, see 01-04-04-EN data sheet);
- interconnection not included.



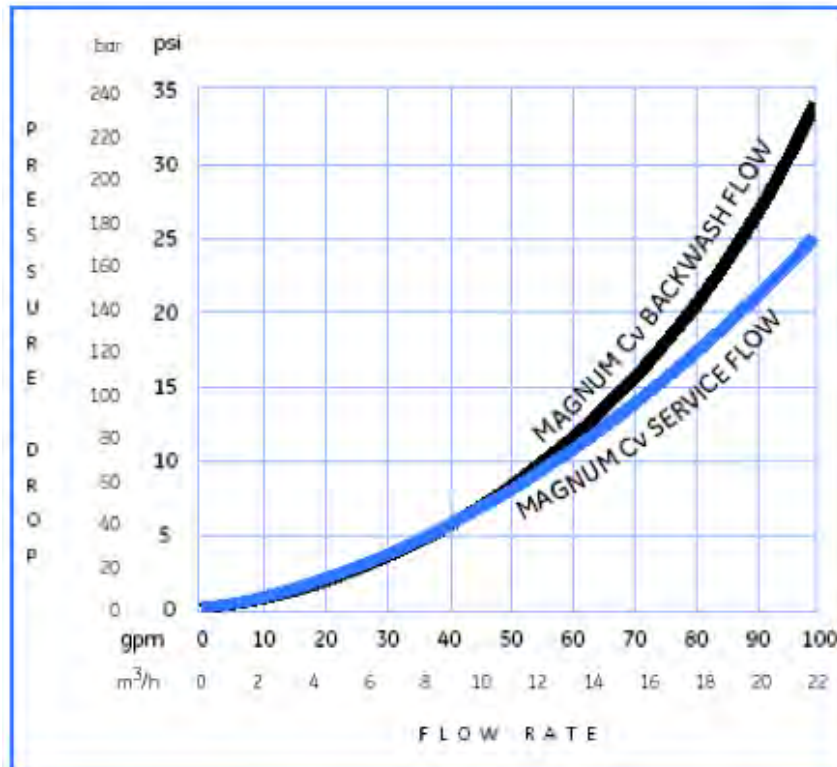
| Characteristics                               |  |
|---|--|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                        |
| Drain line connection                         | 1,5" brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | 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                              |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |



# Autotrol Industrial Softening Magnum IT 2" Valves with 764 Controller for Multitank Systems



## Pressure Drop Diagram



| Recommended operating conditions |                 |
|----------------------------------|-----------------|
| Operating pressure               | 1,72 ÷ 6,90 bar |
| Water temperature                | 1°C ÷ 36°C      |

| Model         | Description                     | Note           |  |
|---------------|---------------------------------|----------------|--|
| MG IT 764-NHB | Electronic Volumetric Multitank | Without bypass |  |

# Autotrol Industrial Magnum IT 2" Valves for Filtration with 764 Controller with Multitank Systems



- for automatic and industrial water filtration systems;
- with electronic volumetric 764 F controller (see 01-03-02-EN data sheet);
- for parallel systems up to 6 tanks;
- valve body in NSF listed Noryl plastic material with 304 Stainless Steel tank adapter (for heavy applications, like sea water, the Noryl tank adapter is available on request);
- o-rings in EPDM material;
- operating flow rate for each tank  $K_v = 17$ ;
- backwash flow rate for each tank = 337 lpm @  $\Delta p$  1,72 bar;
- with European transformer 12/230V – 50/60 Hz for each valve;
- available with or without by-pass;
- adapters, manifold kit and accessories (e.g. upper screen, etc.) not included, to order separately: see 01-04-04-EN and 01-04-05-EN data sheets;
- PVC 2" side mounting adapter available on demand (REF. CC084, see 01-04-04-EN data sheet);
- interconnection not included.

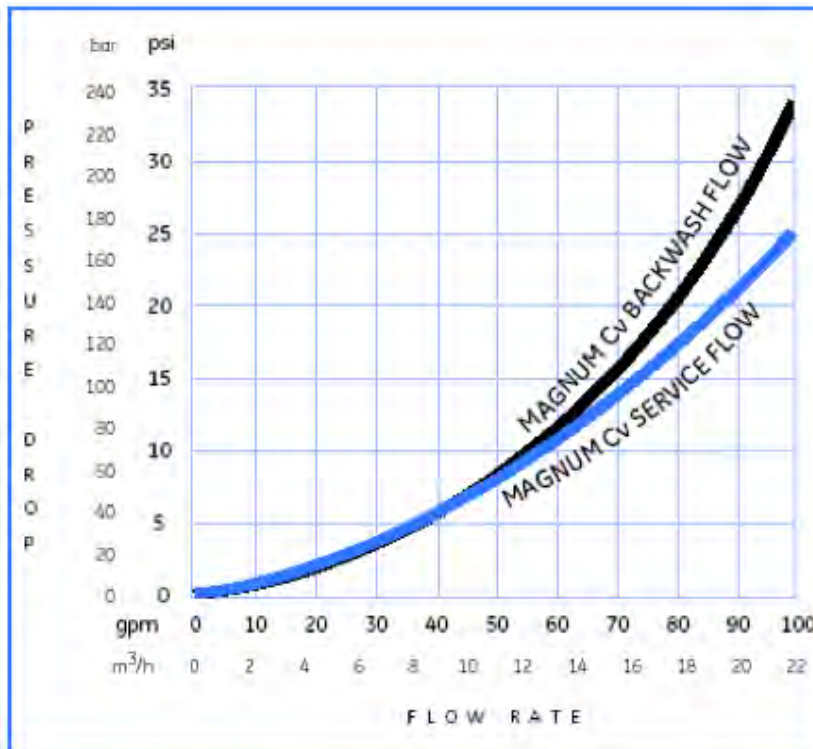


| Characteristics                               |  |
|---|--|
| Pressure vessel connection                    | Threaded 4" - 8 UN male                        |
| Drain line connection                         | 1,5" brass – NPT/BSPT male<br>D50 CPVC to glue |
| Brine line connection                         | Threaded ¾" NPT male                           |
| Distributor tube O. D. diameter               | 1,5" (= 48,3 mm)                               |
| Pilot drain and auxiliary hydraulic out       | ¼" tube fitting                                |
| Distributor tube length above pressure vessel | 16 ± 3 mm                                      |
| Weight (valve + controller)                   | 12,3 kg  |

# Autotrol Industrial Magnum IT 2" Valves for Filtration with 764 Controller with Multitank Systems



## Pressure Drop Diagram



### Recommended operating conditions

|                    |                 |
|--------------------|-----------------|
| Operating pressure | 1,72 ÷ 6,90 bar |
| Water temperature  | 1°C ÷ 36°C      |

| Model          | Description                                | Note           |  |
|----------------|--|----------------|--|
| MG IT 764F-NUB | Electronic Volumetric Multitank Filtration | Without bypass |  |

# Series 400 Controllers for Autotrol Valves Series 255 - 263 – 268



**440i**



**460tc / 460i**



| Controllers for softeners characteristics |                              |                      |                      |
|---|------------------------------|----------------------|----------------------|
| Characteristic                            | 440i                         | 460tc                | 460i                 |
| Controller type                           | Electromechanical            | Electronic           | Electronic           |
| Regeneration mode                         | Chronometric:<br>7 or 6 days | Chronometric         | Volumetric           |
| Regeneration frequency                    | Daily                        | Daily                | Daily                |
| Regeneration cycle length                 | 59' or 118'                  | 59' or 118'          | 59' or 118'          |
| Cycle length                              | Fixed not modifiable         | Fixed not modifiable | Fixed not modifiable |
| Salt setting                              | Pounds of salt               | Pounds of salt       | Pounds of salt       |

| Controllers for filtration characteristics |                              |                      |
|--|------------------------------|----------------------|
| Characteristic                             | 440i                         | 460tc                |
| Controller type                            | Electromechanical            | Electronic           |
| Backwash mode                              | Chronometric:<br>7 or 6 days | Chronometric         |
| Backwash frequency                         | Daily                        | Daily                |
| Filter cycle length                        | Fixed not modifiable         | Fixed not modifiable |

# Logix Controllers for Autotrol Valves

## Series 255 – 263 – 268 – 273 – 278 – 293 – 298



### Controllers for softeners characteristics

| CHARACT.                     | 740 C  | 760 C                           | 742 C  | 762 C                           | 764                             |
|------------------------------|--|---------------------------------|--|---------------------------------|---------------------------------|
| Controller type              | Electronic                                   | Electronic                      | Electronic                                   | Electronic                      | Electronic                      |
| Regeneration mode            | Chronometric                                 | Volumetric                      | Chronometric                                 | Volumetric                      | Volumetric                      |
| Regeneration frequency       | Fixed day or 0,5 ÷ 99 days calendar override | 0,5 ÷ 99 days calendar override | Fixed day or 0,5 ÷ 99 days calendar override | 0,5 ÷ 99 days calendar override | 0,5 ÷ 99 days calendar override |
| Adjustable regeneration time | Yes  | Yes                             | Yes  | Yes                             | Yes                             |
| Cycle length                 | Computer calculated                          | Computer calculated             | Fully programmable                           | Fully programmable              | Fully programmable              |
| Salt setting                 | 3 options                                    | 3 options                       | Fully adjustable                             | Fully adjustable                | Fully adjustable                |

### Controllers for filtration characteristics

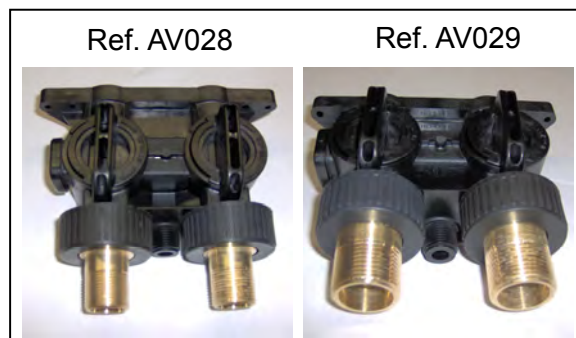
| CHARACT.              | 740 F  | 760 F                           | 742 F  | 762 F                           | 764 F                           |
|-----------------------|--|---------------------------------|--|---------------------------------|---------------------------------|
| Controller type       | Electronic                                   | Electronic                      | Electronic                                   | Electronic                      | Electronic                      |
| Backwash mode         | Chronometric                                 | Volumetric                      | Chronometric                                 | Volumetric                      | Volumetric                      |
| Backwash frequency    | Fixed day or 0,5 ÷ 99 days calendar override | 0,5 ÷ 99 days calendar override | Fixed day or 0,5 ÷ 99 days calendar override | 0,5 ÷ 99 days calendar override | 0,5 ÷ 99 days calendar override |
| Adjustable cycle time | Programmable backwash time                   | Programmable backwash time      | Fully programmable                           | Fully programmable              | Fully programmable              |
| Filter cycle length   | Computer calculated                          | Computer calculated             | Fully adjustable                             | Fully adjustable                | Fully adjustable                |



## 256 bypass kits

- with gaskets, brass adapters, screws and nuts.

| REF.  | IN/OUT CONNECTION | DRAIN LINE |  |
|-------|-------------------|------------|--|
| AV028 | 3/4"              | 1/2"       |  |
| AV029 | 1"                | 1/2"       |  |



## Female manifold kits

- with o-rings, screws and nuts.

| REF.  | IN/OUT CONNECTION | DRAIN LINE | MATERIAL |  |
|-------|-------------------|------------|----------|--|
| AV013 | 3/4"              | 1/2"       | NORYL    |  |
| AV010 | 3/4"              | 3/8"       | BRASS    |  |
| AV011 | 1"                | 1/2"       | BRASS    |  |



## Female mixing manifold kits

- with o-rings, screws and nuts.

| REF.  | IN/OUT CONNECTION | DRAIN LINE | MATERIAL |  |
|-------|-------------------|------------|----------|--|
| AV007 | 3/4"              | 3/8"       | BRASS    |  |
| AV012 | 1"                | 1/2"       | BRASS    |  |



# Autotrol Valves Series 255 Accessories



## Male manifold kits

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

| REF.   | CONNECTIONS IN/OUT | DRAIN LINE | OPTION          |  |
|--------|--------------------|------------|-----------------|--|
| AV001  | 3/4"               | 3/4"       | WITH TURBINE    |  |
| AV001A | 3/4"               | 3/4"       | WITHOUT TURBINE |  |
| AV022  | 1"                 | 1/2"       | WITH TURBINE    |  |
| AV022A | 1"                 | 1/2"       | WITHOUT TURBINE |  |

Ref. AV022



## Slim cover for valve 255 Logix

- in plastic material.

| REF.  |  |
|-------|--|
| AW145 |  |

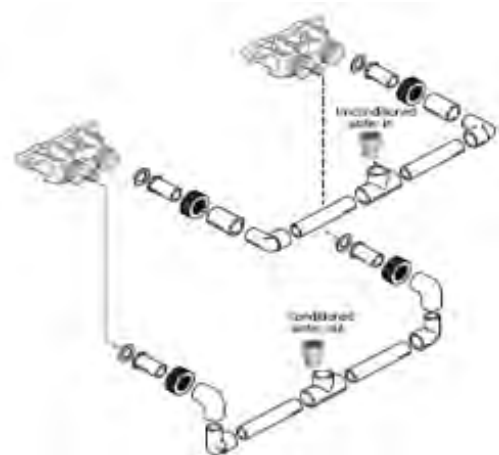
Ref. AW145



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

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

| QUANTITY | DESCRIPTION                               |
|----------|---|
| 2        | Adapter PVC-U D = 32 mm - 1"              |
| 2        | Tee connection 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 |



REF.

AV119

# 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.  | IN/OUT CONNECTIONS |  |
|-------|--------------------|--|
| AV039 | 1"                 |  |
| AV040 | 1 1/4"             |  |

Ref. AV039



Ref. AV040



## Manifold Kits

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

| REF.   | IN/OUT CONNECTION | MATERIAL ADAPTERS |  |
|--------|-------------------|-------------------|--|
| AV030B | 3/4"              | BRASS             |  |
| AV031B | 1"                | BRASS             |  |
| AV032  | D.32              | PVC               |  |
| AV038  | 1 1/4"            | BRASS             |  |

Ref. AV031B



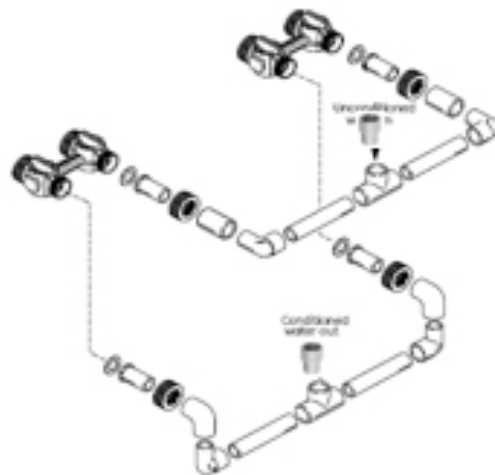




## D. 32 interconnection kit for 278/764twin residential duplex systems

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

| Q.TY | DESCRIPTION                                |
|------|--|
| 2    | Adapter PVC-U D = 32mm - 1"                |
| 2    | Tee connection 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 |

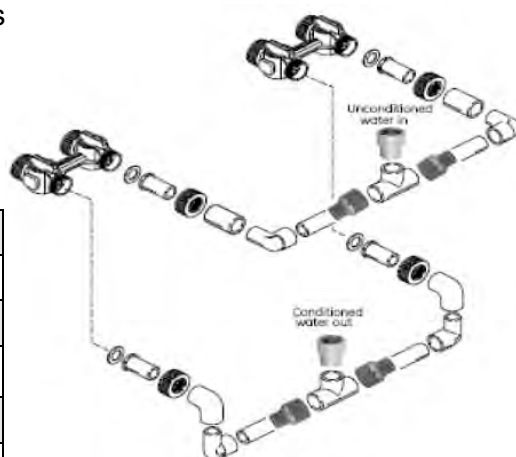


| REF.  |  |
|-------|--|
| AV128 |  |

## 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;
- consisting of:

| Q.TY | DESCRIPTION                                |
|------|--|
| 2    | Adapter PVC-U D = 40mm - 1 1/4"            |
| 2    | Tee connection 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 |



| REF.  |  |
|-------|--|
| AV129 |  |



## Magnum side mounting adapters

- in PVC material

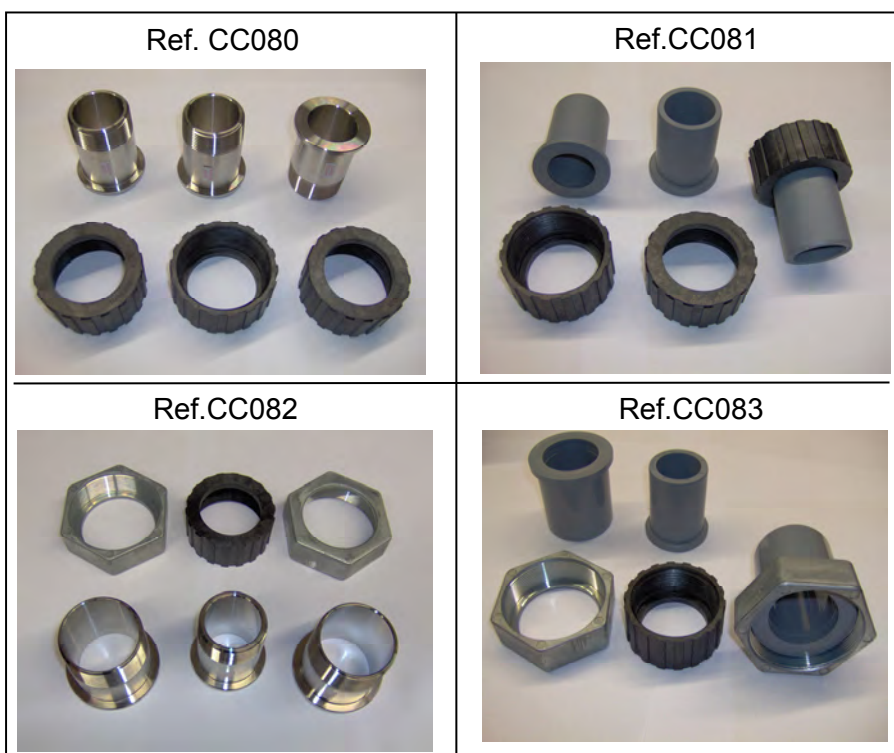
| REF.   | CONNECTIONS       |  |
|--------|-------------------|--|
| CC084  | 2" BSPT Female    |  |
| CC084A | D.63 Male to glue |  |



## Manifold kits

- with 3 nuts, 3 gaskets and 3 adapters.

| REF.  | IN/OUT CONNECTION | MATERIAL ADAPTER | FOR AUTOTROL VALVE    |  |
|-------|-------------------|------------------|-----------------------|--|
| CC080 | 1 1/2" BSPT       | STAINLESS STEEL  | MAGNUM CV 1,5" SERIES |  |
| CC081 | D.50              | PVC              | MAGNUM CV 1,5" SERIES |  |
| CC082 | 2" BSPT           | STAINLESS STEEL  | MAGNUM IT 2" SERIES   |  |
| CC083 | D.63              | PVC              | MAGNUM IT 2" SERIES   |  |





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



| REF.  |  |
|-------|--|
| CC085 |  |

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

---

## 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.  |  |
|-------|--|
| CC086 |  |



## 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 (fig.1). Insert the screw through the top plate and the nut, and the screw until it touch the bypass flapper (fig.2);
- tightening the screw will force the bypass flapper open witch will blend hard water into the softened water supply (fig. 3). 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.

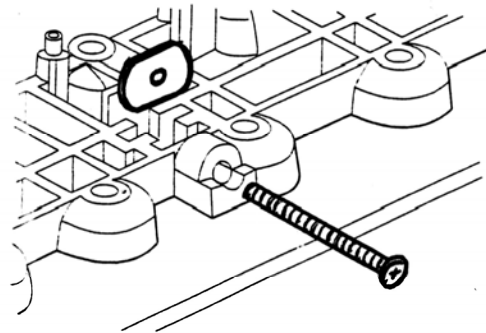


Fig. 1

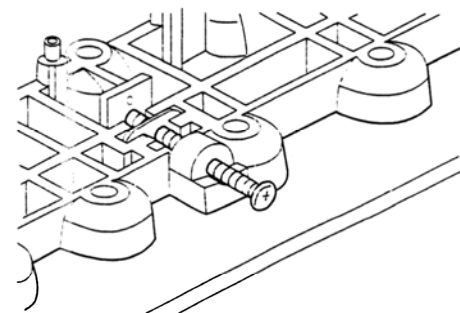


Fig. 2

| REF.  | DESCRIPTION                |  |
|-------|----------------------------|--|
| AV037 | Kit for 255-268-278 valves |  |
| AV185 | Kit for 366-368 valves     |  |

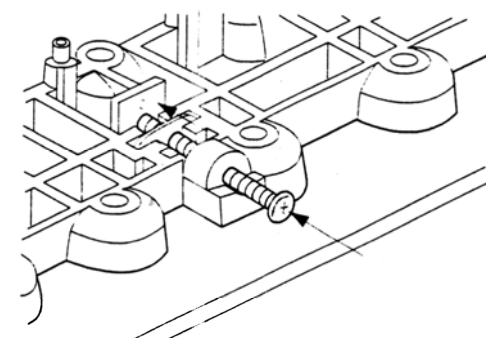


Fig. 3



## Twist lock upper screens

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

| REF.  | FOR TUBE<br>(inch) | FOR<br>AUTOTROL<br>VALVE |  |
|-------|--------------------|--------------------------|--|
| AV070 | 13/16"             | 255                      |  |
| AV071 | 1,05"              | 255, 263, 268            |  |



## Upper screen

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

| REF.  | FOR TUBE<br>(inch) |  |
|-------|--------------------|--|
| AV072 | 13/16"             |  |
| AV073 | 1,05"              |  |



## Upper screens to glue

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

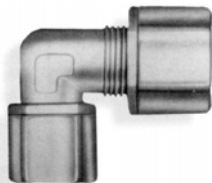
| REF.  | LENGTH<br>(mm) | FOR TUBE<br>(mm) | FOR<br>AUTOTROL<br>VALVE |  |
|-------|----------------|------------------|--------------------------|--|
| CF010 | 98             | 41,8 ( 1 1/4" )  | 180 old model            |  |
| CF013 | 98             | 48,3             | 180 new model            |  |
| CC050 | 150            | 48,3             | Magnum                   |  |
| PV407 | 150            | 41,8 ( 1 1/4" )  | Adapter 4"<br>PV402      |  |





## Fittings for valves

- Jaco Style elbow fittings for  $\frac{3}{8}$ " tubing;
- material PP.



| REF.  | THREADED CONNECTION (inch) | FOR AUTOTROL VALVE |  |
|-------|----------------------------|--------------------|--|
| AV150 | $\frac{1}{4}$ " F          | 255                |  |
| AV154 | $\frac{3}{8}$ " F          | 268<br>366 – 368   |  |

## Fittings for valves

- Jaco Style straight fittings for  $\frac{3}{8}$ " tubing;
- material PP.



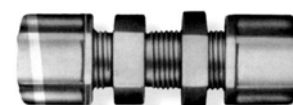
| REF.  | THREADED CONNECTION (inch) |  |
|-------|----------------------------|--|
| AV161 | $\frac{1}{8}$ " M          |  |
| AV152 | $\frac{1}{4}$ " M          |  |
| AV153 | $\frac{3}{8}$ " M          |  |

- Jaco Style elbow fittings for  $\frac{3}{8}$ " tubing;
- material PP.



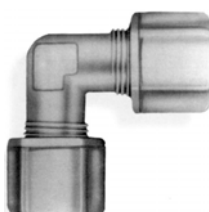
| REF.  | THREADED CONNECTION (inch) | FOR AUTOTROL VALVE |  |
|-------|----------------------------|--------------------|--|
| AV151 | $\frac{1}{4}$ " M          | 155                |  |
| AV159 | $\frac{3}{8}$ " M          | -                  |  |

- Jaco Style bulkhead union for  $\frac{3}{8}$ " tubing;
- material PP.



| REF.  |  |
|-------|--|
| AV156 |  |

- Jaco Style union elbow for  $\frac{3}{8}$ " tubing;
- material PP.



| REF.  |  |
|-------|--|
| AV155 |  |

- Jaco Style union TEE for  $\frac{3}{8}$ " tubing;
- material PP.



| REF.  |  |
|-------|--|
| AV158 |  |

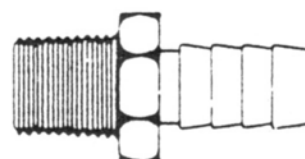


## Barbed drain fittings – overflow

### Straight drain fittings

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

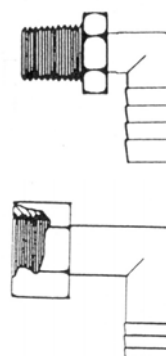
| REF.  | CONNECTION |  |
|-------|------------|--|
| AV170 | 3/8" M     |  |
| AV171 | 1/2" M     |  |
| AV169 | 1/2" F     |  |



### Elbowed drain fittings

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

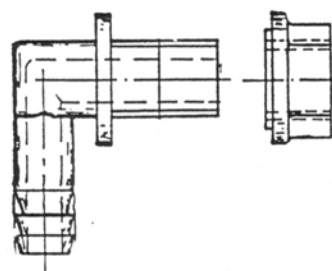
| REF.  | CONNECTION |  |
|-------|------------|--|
| AV172 | 3/8" M     |  |
| AV173 | 1/2" M     |  |
| AV174 | 1/2" F     |  |
| AV175 | 3/4" F     |  |



### Overflow elbows with nut

- material nylon.

| REF.  | THREADED CONNECTION | FOR HOSE INT. Ø (MM) |  |
|-------|---------------------|----------------------|--|
| AV180 | 3/8"                | 12,7                 |  |
| AV181 | 1/2"                | 15,5                 |  |





## Pvc tubes to glue

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

| REF.  | DIAMETER (inch)                  | DIAMETER (mm) | LENGTH (mm) |  |
|-------|----------------------------------|---------------|-------------|--|
| AV083 | 1 <sup>3</sup> / <sub>16</sub> " | 20,6          | 890         |  |
| AV084 | 1 <sup>3</sup> / <sub>16</sub> " | 20,6          | 1400        |  |
| AV087 | 1,05"                            | 26,7          | 1830        |  |
| CF012 | 1 1/4"                           | 41,8          | 2000        |  |
| CC052 | 1 1/2"                           | 48,3          | 2000        |  |



## Diffusers with tube

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

| REF.   | TUBE LENGTH (inch) |  |
|--------|--------------------|--|
| AV116M | 17"                |  |
| AV117M | 35"                |  |
| AV103M | 55"                |  |
| AV104M | 72"                |  |







## Lower diffusors to glue

- lower diffusors in ABS;
- max diameter 60 mm;
- slots 0,3 mm;
- connection to glue.

| REF.   | FOR TUBE (inch)    | LENGTH (mm)  | FLOW ( lpm ) $\Delta p$ 30 mbar |  |
|--------|--------------------|--------------|---------------------------------|--|
| AV098  | 1 $\frac{3}{16}$ " | 70           | 24                              |  |
| AV098A | 1,05"              | 80           | 32                              |  |
| AV097  | 1,05"              | 90 high flow | 40                              |  |



## Cylindrical lower diffusors

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



| ITEM | REF.  | LENGTH (mm) | DIFFUSOR LENGTH (mm)       | FOR AUTOTROL VALVE    |  |
|------|-------|-------------|----------------------------|-----------------------|--|
| 1    | PV315 | 72          | 26,7 ( 1,05" )             | PERFORMA              |  |
| 1    | CF011 | 98          | 41,8 ( 1 $\frac{1}{4}$ " ) | 180 old model – PV402 |  |
| 1    | CF014 | 98          | 48,3                       | 180 new model         |  |
| 2    | CC051 | 150         | 48,3                       | Magnum                |  |

## Segmented lower diffusors

- segmented lower diffuser in ABS;
- diameter 66 mm;
- length 102 mm;
- slots 0,3 mm;
- to glue on tube 1,05";
- flow = 50 lpm @  $\Delta p$  30 mbar.



| REF.   |  |
|--------|--|
| AV099A |  |



## Lower lateral systems for top mounted valves

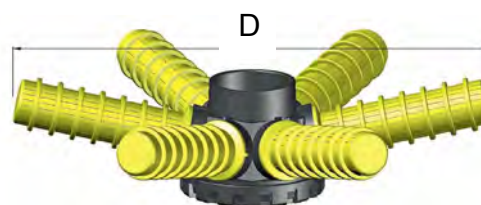
- For top mounted valves;
- ABS material;
- With 8 laterals (**threaded connection**) slots 0,3 mm;
- Hub connection to glue.



| REF.  | USEFUL FOR VESSEL (inch) | HUB CONNECT FOR TUBE (mm) | FOR AUTOTROL VALVE |  |
|-------|--------------------------|---------------------------|--------------------|--|
| PV316 | 14" - 16"                | 26,7 ( 1,05")             | PERFORMA           |  |
| PV317 | 18" - 21" - 24"          | 26,7 ( 1,05")             | PERFORMA           |  |
| PV318 | 14" - 16"                | 41,8 ( 1 ¼")              | PV402              |  |
| PV319 | 18" - 21" - 24"          | 41,8 ( 1 ¼")              | PV402              |  |
| PV320 | 14" - 16"                | 48,3 ( 1,90")             | MAGNUM             |  |
| PV321 | 18" - 21" - 24"          | 48,3 ( 1,90")             | MAGNUM             |  |
| PV322 | 30"                      | 48,3 ( 1,90")             | MAGNUM             |  |
| PV323 | 36"                      | 48,3 ( 1,90")             | MAGNUM             |  |

## 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.   | USEFUL FOR VESSEL (inch) | HUB CONNECT FOR TUBE (mm) | DIAMETER 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 ( 1 ¼")              | 260             | PV402              |  |
| PV319B | 18" - 21" - 24"          | 41,8 ( 1 ¼")              | 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             |  |



## Diffusor for brine draw

- connection for rigid or flexible tube  $\frac{3}{8}$ ".



| REF.  |  |
|-------|--|
| AV118 |  |

## Mesh type screen with tube

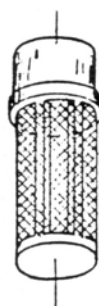
- mesh type screen for brine complete with  $\frac{3}{8}$ " PVC tube length 42".



| REF.   |  |
|--------|--|
| AV090M |  |

## Mesh type screen for brine

- for  $\frac{3}{8}$ " tube to glue.



| REF.  |  |
|-------|--|
| AV075 |  |

## Polyethylene flexible tube

- flexible tube  $\frac{3}{8}$ " (= 9,52 mm) diameter;
- transparent;
- hanks of 30 m.



| REF.  |  |
|-------|--|
| AV140 |  |



## J-tube air-check with tube

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

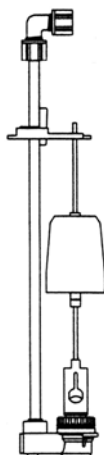
| REF.   | TUBE DIAMETER (inch) | LENGTH (mm) |  |
|--------|----------------------|-------------|--|
| AV093M | $\frac{3}{8}$ "      | 1060        |  |
| CC064M | $\frac{3}{4}$ "      | 1200        |  |



## 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.

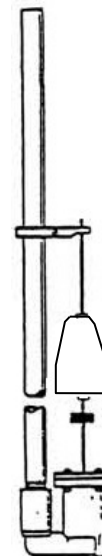
| REF.  | MODEL         | Refill flow rate (l/min) @ 3,5 bar |  |
|-------|---------------|------------------------------------|--|
| AV096 | 464 Standard  | 1,3                                |  |
| AV125 | 464 High Flow | 3,8                                |  |



## Model 454 Standard

- complete with 3/4" tube length 1200 mm;
- length float rod 915 mm;
- refill flow rate 5 l/min @ 3,5 bar;
- brine draw rate 18 l/min @ 63,5 mm Hg vacuum;
- max operating pressure 8,5 bar @ 40°C;
- brine well diameter 130 mm.

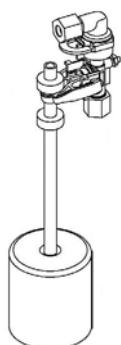
| REF.  |  |
|-------|--|
| CF016 |  |



## 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.       |  |
|------------|--|
| F060067-03 |  |



## Model 454 High Flow

- complete with 3/4" tube length 1200 mm;
- length float rod 915 mm;
- refill flow rate 15 l/min @ 0,125 bar;
- brine draw rate 30 l/min @ 178 mm Hg vacuum;
- max operating pressure 8,5 bar @ 40°C;
- brine well diameter 130 mm.

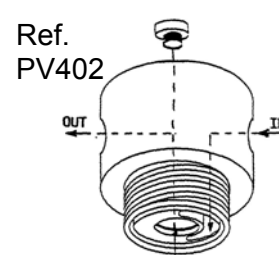
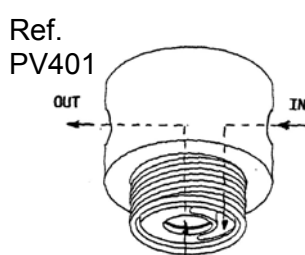
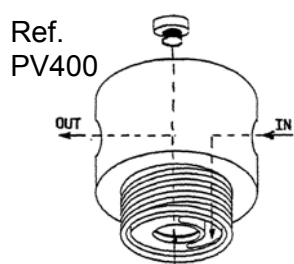
| REF.  |  |
|-------|--|
| CC060 |  |





## Heads for tank

- PVC heads for tank complete with NBR o-ring;
- max operating pressure 8 bar;
- max operating temperature 25°C;
- REF. PV400 and REF. PV401 are to use with upper screen REF. AV073 (see 01-04-05.02-EN data sheet) and with lower diffusors on catalogue (see 01-04-05.06-EN data sheet);
- REF. PV402 is to use with upper screen REF. PV407 (see 01-04-05.02-EN data sheet) and with lower diffusor REF. CF011 (see 01-04-05.06-EN data sheet).



| REF.  | IN / OUT CONNECTION | OPTION PLUG    | RISER TUBE DIAMETER | MAX FLOW RATE SUGGESTED | FIT THREADED TANKS |
|-------|---------------------|----------------|---------------------|-------------------------|--------------------|
| PV400 | 3/4" GAS            | 1/2" on outlet | 1,05"               | 2,5 m <sup>3</sup> /h   | 2 1/2" – 8NPSM     |
| PV401 | 3/4" GAS            | no plug        | 1,05"               | 2,5 m <sup>3</sup> /h   | 2 1/2" – 8NPSM     |
| PV402 | 1 1/4" GAS          | 1/2" on outlet | 1 1/4"              | 6,0 m <sup>3</sup> /h   | 4" – 8UN           |

- PP molded heads for tank with connection threaded 2 1/2" – 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 (see 01-04-05.02-EN data sheet) and with lower diffusor REF. AV098 (see 01-04-05.06-EN data sheet).



| REF.  | IN / OUT CONNECTION | RISER TUBE DIAMETER | MAX SUGGESTED FLOW RATE |
|-------|---------------------|---------------------|-------------------------|
| PV409 | 3/4" NPT            | 13/16"              | 2,5 m <sup>3</sup> /h   |



## Multi-way Manual Valve

- Multi-way valve having three functions: filtration, backwash, rinse;
- Fits threaded tanks 2 1/2" – 8NPSM;
- IN/OUT connections and drain 1" BSPP female;
- Riser tube diameter 1,05" (26,7 mm);
- Max suggested flow 4 m<sup>3</sup>/h (only valve);
- Max operating pressure 6 bar @ 20°C;
- Max operating temperature 50°C;
- Upper screen included.

**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.  |  |
|-------|--|
| PV410 |  |

## 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 3/8" connection, probe constant K=5;
- with reduction in PVC M/F 1/2" x 3/8";
- 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 (see 01-04-05.10-EN data sheet).

**ATTENTION:** for greatest accuracy it is required that the water be flowing on probe.



| REF.  |  |
|-------|--|
| PV425 |  |

## Chlorogen Chlorin Generator

- positive, reliable and economical method of chlorine generation;
- n.1 Titanium Probe for chlorine generation, n.1 TEE 3/8" connection and n.2 Jaco straight fitting for 3/8" x 3/8" tube included;
- bright green/yellow visual output easy to read:
  - Green: the system is on;
  - Yellow: the system is working in disinfection;
- with time generation adjust;
- 230V - 50 Hz power supply and 1,8 m cable.



| REF.  |  |
|-------|--|
| AX210 |  |



## 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 25 ml (REF. AV204).

Ref. AV200

| REF.  |  |
|-------|--|
| AV200 |  |
| AV203 |  |
| AV204 |  |



- 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. AV202

| REF.  | DEFINITION | NUMBER OF TESTS |  |
|-------|------------|-----------------|--|
| AV202 | 1°F        | 700°F           |  |
| AV207 | 1°D        | 600°D           |  |



- 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. AV201

| REF.  | DEFINITION | NUMBER OF TESTS |  |
|-------|------------|-----------------|--|
| AV201 | 1°F        | 350°F           |  |
| AV206 | 1°D        | 300°D           |  |

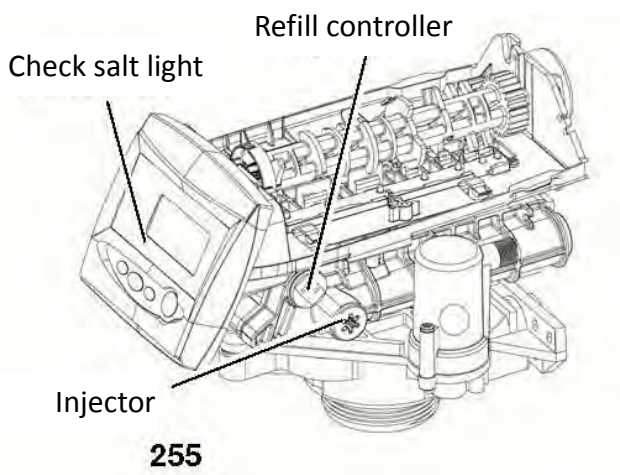




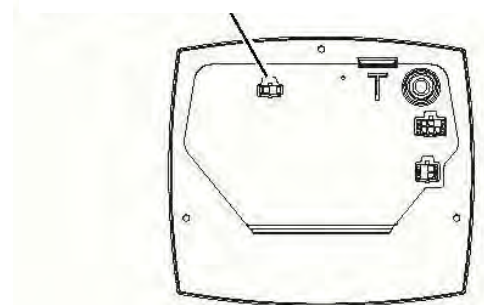
## Chlorine generator suitable for valve 255 and Performa 268 with Logix 740/760 and 742/762 controller

- Simple, reliable and cheap disinfection device;
- Delivery includes n.1 electrode and n.1 connection cable;
- Logix 740/760 and 742/762 controllers provide to make a low chlorine level in order to sanitize resin bed during regeneration;
- Logix controller has a light check salt that indicates to end user when salt has to be added into brine tank;
- Potassium chloride or sodium chloride can be used.

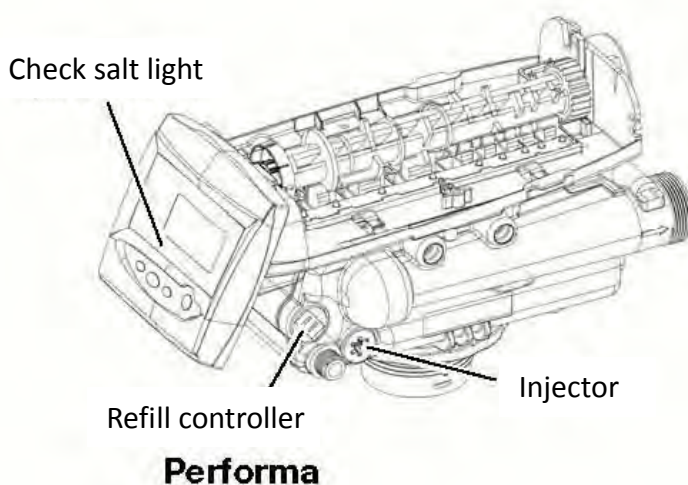
| REF.  |  |
|-------|--|
| AX040 |  |



Chlorine generator connection



Logix controller - Rear







## TOTAL CHLORINE KIT

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

| REF.  | MODEL | RANGE<br>( ppm Cl <sub>2</sub> )      | TEST QUANTITY |
|-------|-------|---------------------------------------|---------------|
| AV205 | O-TOL | 0,10 - 0,25 - 0,50 - 0,75 - 1,0 - 2,0 | 75            |

## 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. For higher precision, we suggest the HYDROCHECK DPD (ideal for waste water, purified drinking water and swimming pool).

| REF.  | MODEL             | RANGE  |  | TEST QUANTITY |
|-------|-------------------|--------|--|---------------|
|       |                   | SAMPLE | ( ppm Cl <sub>2</sub> )                        |               |
| AV208 | IPT DPD           | 5 ml   | 0,1 - 0,2 - 0,3 - 0,4 - 0,5 - 0,75 - 1,0 - 1,5 | 150           |
| AV220 | HYDROCHECK<br>DPD | I      | 0,1 - 0,2 - 0,3 - 0,4 - 0,5 - 0,75 - 1,0 - 1,5 | 350           |
|       |                   | II     | 0,025 - 0,050 - 0,075                          |               |

## 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.  | MODEL      | RANGE<br>( ppm NH <sub>3</sub> )          | TEST QUANTITY |
|-------|------------|---|---------------|
| AV209 | IPT        | 0,25 - 0,50 - 0,75 - 1,0 - 2,0 - 8,0      | 200           |
| AV221 | HYDROCHECK | 0,0 - 0,10 - 0,25 - 0,5 - 1,0 - 2,0 - 4,0 | 180           |



## 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.  | MODEL           | RANGE  |   | TEST QUANTITY |
|-------|-----------------|--------|---|---------------|
|       |                 | SAMPLE | ( ppm Fe )                                    |               |
| AV210 | IPT             | 5 ml   | 0,25 - 0,50 - 1,0 - 2,0 - 5,0 - 7,5 - 10 - 15 | 100           |
|       |                 | 20 ml  | 0,05 - 0,10 - 0,15 - 0,20                     |               |
| AV222 | HYDROCHECK HIGH | I      | 0,25 - 0,50 - 1,0 - 2,0 - 5,0 - 7,5 - 10 - 15 | 400           |
|       |                 | II     | 0,05 - 0,10 - 0,15 - 0,20                     |               |

## 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.  | MODEL      | RANGE  |  | TEST QUANTITY |
|-------|------------|--------|--|---------------|
|       |            | SAMPLE | ( ppm Mn )                                       |               |
| AV211 | IPT        | 5 ml   | 0,1 - 0,2 - 0,25 - 0,5 - 0,75 - 1,0 - 1,25 - 1,5 | 70            |
| AV223 | HYDROCHECK | I      | 0,1 - 0,2 - 0,25 - 0,5 - 0,75 - 1,0 - 1,25 - 1,5 | 130           |
|       |            | II     | 0,025 - 0,050 - 0,100                            |               |



## NITRATE KIT

- Color comparison kit for Nitrate reaction;
- IPT kits are ideal for few analyzes with discrete precision. For higher precision, we suggest the HYDROCHECK (ideal for waste water, superficial water and drinking water).

| REF.  | MODEL      | RANGE<br>( ppm NO <sub>3</sub> )             | TEST QUANTITY |  |
|-------|------------|--|---------------|--|
| AV212 | IPT        | 10 - 20 - 40 - 60 - 80 - 100 - 120 - 140     | 50            |  |
| AV224 | HYDROCHECK | 5 - 10 - 20 - 40 - 60 - 80 - 100 - 120 - 140 | 100           |  |

## 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.  | MODEL | RANGE<br>( pH )                             | TEST QUANTITY |  |
|-------|-------|---|---------------|--|
| AV213 | IPT   | 1-2-3-4-5-5,5-6-6,5-7-7,5-8-8,5-9-9,5-10-11 | 200           |  |

## SULPHATE KIT

- Color comparison kit for Sulphate by turbidimetric method.

| REF.  | MODEL | RANGE<br>( ppm SO <sub>4</sub> )            | TEST QUANTITY |  |
|-------|-------|---|---------------|--|
| AV214 | IPT   | 50 - 75 - 100 - 150 - 200 - 250 - 300 - 400 | 70            |  |

# F65B1 Runxin Residential Chronometric Valve



- Electronic chronometric 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  $K_v = 1,08$ ;
- Backwash flow rate  $K_v = 0,53$ ;
- Resin volume range =  $5 \div 40$  liters;
- With European transformer 12/230V – 50Hz, upper screen and fittings and Spare Parts Kit (consisting in 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);
- The others accessories (e.g. lower diffusers and by-pass) are not included.



REF.

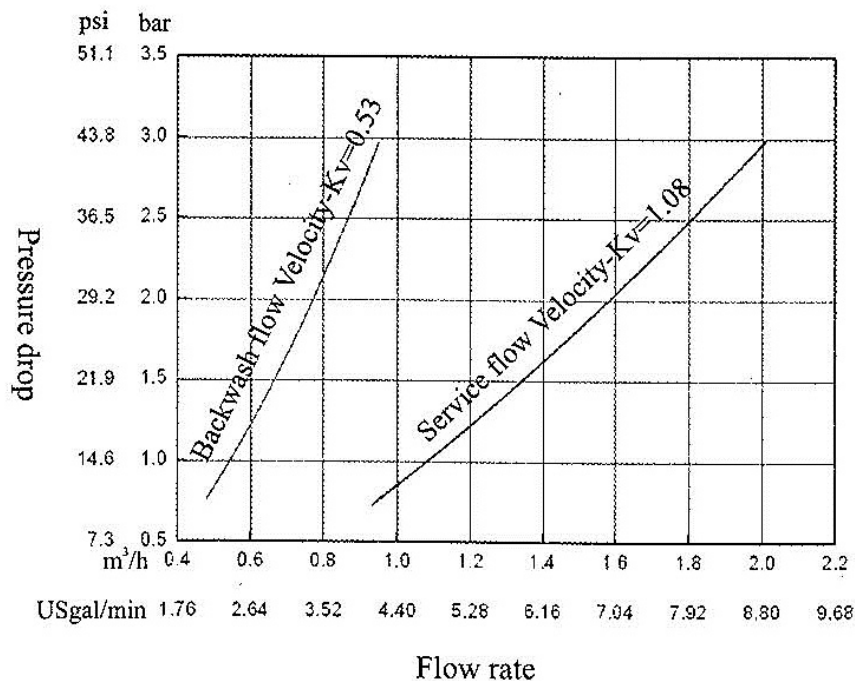
RF65B1

| Characteristics                               |  |
|---|--|
| In / Out connections                          | Threaded $\frac{3}{4}$ " female (male optional included) |
| Pressure vessel connection                    | Threaded 2 $\frac{1}{2}$ " - 8 UN male                   |
| Brine line connection                         | Threaded $\frac{3}{8}$ " BSPT male                       |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)  |
| Distributor tube length above pressure vessel | $0 \pm 2$ mm   |
| Weight (valve + controller)                   | 1,66 kg  |

# F65B1 Runxin Residential Chronometric Valve



## Pressure Drop Diagram



| Recommended Operating Conditions |               |
|----------------------------------|---------------|
| Operating pressure               | 1,4 ÷ 5,9 bar |
| Water temperature                | 5°C ÷ 45°C    |

| REF.   | DESCRIPTION                          |
|--------|--------------------------------------|
| RF65B1 | Runxin Electronic Chronometric Valve |

## ACCESSORIES

| REF.    | DESCRIPTION                  |
|---------|------------------------------|
| RF70B   | By-pass for RF65B1 Valve     |
| RF47010 | Runxin Chlorine Generator    |
| RF09998 | 2.5" M/F Adapter with O-ring |
| RF09997 | RF09998 Adapter Wrench       |

# F79B-LCD Runxin Residential Volumetric Valve



- 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  $K_v = 1,14$ ;
- Backwash flow rate  $K_v = 0,5$ ;
- Resin volume range =  $5 \div 40$  liters;
- With European transformer 12/230V – 50Hz, upper screen and fittings and Spare Parts Kit (consisting in 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;
- The others accessories (e.g. lower diffusers and by-pass) are not included.



REF.

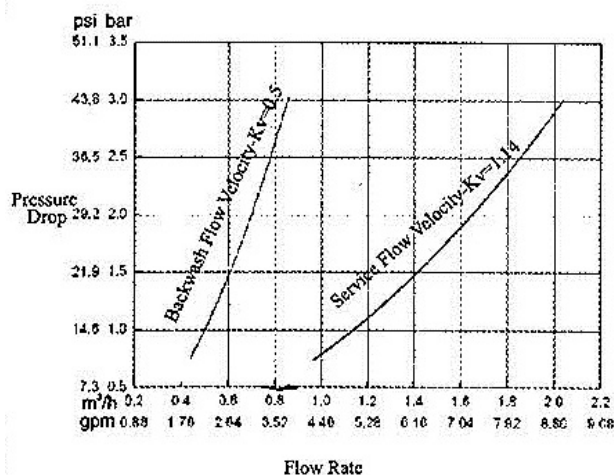
RF79B-LCD

| Characteristics                               |  |
|---|--|
| In / Out connections                          | Threaded $\frac{3}{4}$ " male          |
| Pressure vessel connection                    | Threaded $2 \frac{1}{2}$ " - 8 UN male |
| Brine line connection                         | Threaded $\frac{3}{8}$ " BSPT male     |
| Distributor tube O. D. diameter               | 1,05" (= 27 mm)                        |
| Distributor tube length above pressure vessel | $0 \pm 2$ mm                           |
| Weight (valve + controller)                   | 2,25 kg                                |

# F79B-LCD Runxin Residential Volumetric Valve



## Pressure Drop Diagram



| Recommended Operating Conditions |               |
|----------------------------------|---------------|
| Operating pressure               | 1,4 ÷ 5,9 bar |
| Water temperature                | 5°C ÷ 45°C    |

| REF.      | DESCRIPTION                        |
|-----------|------------------------------------|
| RF79B-LCD | Runxin Electronic Volumetric Valve |

## ACCESSORIES

| REF.    | DESCRIPTION                  |
|---------|------------------------------|
| RF70D   | By-pass for RF79B-LCD Valve  |
| RF47010 | Runxin Chlorine Generator    |
| RF09998 | 2.5" M/F Adapter with O-ring |
| RF09997 | RF09998 Adapter Wrench       |

## SPARE PARTS

| REF.    | DESCRIPTION                       |
|---------|-----------------------------------|
| RF09962 | O-R CONNECTOR 3/4" FOR FLOW METER |
| RF09963 | CONNECTOR 3/4" FLOW METER         |
| RF09964 | ELECTRONIC CONTROL BOARD          |
| RF09965 | ELECTRONIC POSITIONING BOARD      |
| RF09966 | ELECTRONIC BOARD FOR DISPLAY      |
| RF09967 | EUROPEAN POWER ADAPTER            |
| RF09968 | TURBINE FLOW METER                |
| RF09969 | SEMI-TRANSPARENT COVER            |
| RF09970 | PIPE CONNECTIONS 3/4"             |

