

5800 CONTROL VALVE



TESTED and CERTIFIED by the WQA to NSF/ANSI Std. 44 for material safety, structural integrity and performance, NSF/ANSI Std.372 for low lead and CSA B483.1



UL listed to UL 979



TESTED EMC and Low Voltage Directive



Restriction of Hazardous Substance Compliant

FEATURES • BENEFITS

- ◆ Fiber-reinforced polymer valve body for superior strength and durability; non-corrosive, and UV-resistant
- ◆ Continuous service flow rate of 21 GPM with a backwash rate of 17 GPM
- ◆ Backwash capability accommodates softener tanks and filters up to 16" in diameter
- ◆ Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment
- ◆ Time-tested, hydraulically-balanced piston for service and regeneration
- ◆ Optical sensor for precision cycle positioning
- ◆ Soft water refill for a cleaner brine tank
- ◆ Designed with double backwash for reduced hardness leakage
- ◆ Diagnostics for historical valve performance
- ◆ Programming stored in memory and will not be lost due to power outages

Remote Monitoring Technology

- ◆ WiFi connectivity allows user to view system status and receive push alerts (XTRi only)*

CONFIGURATIONS • OPTIONS

- ◆ Filter or softener control valves
- ◆ Downflow co-current or upflow counter-current regeneration
- ◆ Plumbing connections in 3/4" or 1" NPT, BSP, and Sweat
- ◆ Fiber-reinforced polymer or stainless steel bypass valve
- ◆ Variable reserve for increased efficiency

- ◆ Programmable regeneration types for increased flexibility
- ◆ Three color bezel options of black, silver, or blue

TIMER OPTIONS

- ◆ **XTRi** - Premium touch screen LCD display with the ability to connect to Pentair Home and Pentair Pro apps via WiFi*

- ◆ **XTR2** - Premium touch screen LCD display with two programmable relay outputs for both normally opened and normally closed contacts
- ◆ **SXT** - Large LCD display with one programmable relay output for both normally open and normally closed contacts

* Please visit pentair.com/connectedsoftener for more information on Pentair Home and Pentair Pro apps.

VALVE SPECIFICATIONS

| | |
|----------------|----------------------------|
| Valve Material | Fiber-reinforced polymer |
| Inlet/Outlet | 3/4" or 1" NPT, BSP, Sweat |
| Cycles | 5 |

FLOW RATES (50 PSI INLET) – VALVE ALONE

| | |
|--|--------------------------------|
| Continuous 15 psi | 21 GPM (4.8 m ³ /h) |
| Peak 25 psi (1.7 bar) drop | 27 GPM (6.1 m ³ /h) |
| Cv flow at 1 psi | 5.4 |
| Max. Backwash 25 psi (1.7 bar) drop | 17 GPM (3.9 m ³ /h) |

REGENERATION

| | |
|-------------------|-------------------|
| Downflow/Upflow | Both |
| Adjustable Cycles | Yes |
| Timers Available | |
| XTR2/XTRi: | 0 - 240 min/cycle |
| SXT: | 0 - 199 min/cycle |

METER INFORMATION

| | |
|----------------------|--|
| Meter Accuracy | |
| 3/4" Paddle/Turbine: | 0.25 - 15 GPM ± 5% (0.06 - 3 m ³ /h) |
| Meter Capacity Range | |
| XTR2/XTRi: | 1 - 9,999,999 gal (0 - 378,541 m ³) |
| SXT: | 1 - 999,900 gal (0 - 3,785 m ³) |

DIMENSIONS

| | |
|----------------------------|----------------------------|
| Distributor Pilot | 1.05" O.D. (26.7 mm) |
| Drain Line | 1/2" NPTF Quick-Connect |
| Brine Valve 1600: | 3/8" |
| Injector System | 1610 |
| Mounting Base | 2.5" - 8 NPSM |
| Height from Top of Tank | 9" (228 mm) |
| Riser Tube Diameter | 3/4" (19 mm) |
| Riser Height | 1/4" below top of tank |

TYPICAL APPLICATIONS

| | |
|----------------|---|
| Water Softener | 6 - 16" Diameter |
| Filters | 8 - 16" Diameter based on 10 GPM/ft ² |

ADDITIONAL INFORMATION

| | |
|---------------------------|---------------------------------|
| Electrical Rating | 12 Volts DC |
| Estimated Shipping Weight | |
| Time Clock: | 7 lbs (3.17 kg) |
| Metered Valve: | 10 lbs (4.53 kg) |
| Pressure | |
| Hydrostatic: | 300 psi (20 bar) |
| Working: | 20 - 125 psi (1.4 - 8.5 bar) |
| Temperature | |
| Cold Water Valve: | 34 - 110°F (1 - 43°C) |



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