PENTAIR
FLECK

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)

PENTAIR

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