PENTAIR
FLECK

5812 CONTROL VALVE

MADE IN THE USA
OF FOREIGN & DOMESTIC PARTS

FEATURES • BENEFITS

- Fiber-reinforced polymer valve body for superior strength and durability; non-corrosive, and UV-resistant

- Continuous service flow rate of 43 GPM with a backwash rate of 33 GPM

- Backwash capability accommodates softener tanks and filters up to 24" 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)*

TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 44 for Water Softener Performance.

TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.

UL recognized to the 979

TESTED EMC and Low Voltage Directive

Restriction of Hazardous Substance Compliant

CONFIGURATIONS • OPTIONS

- Filter or softener control valves

- Downflow co-current or upflow counter-current regeneration

- Plumbing connections in 3/4", 1", 1-1/4", or 1-1/2" NPT, BSP, Sweat, and CPVC

- Fiber-reinforced polymer, high-flow bypass valve

- Variable reserve for increased efficiency

- Programmable regeneration types for increased flexibility

- Three color bezel options: black, blue, or silver

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", 1", 1-1/4", NPT, BSP, Sweat, CPVC
Cycles	5

FLOW RATES (50 PSI INLET) – VALVE ALONE – 2.5" BASE

Piston	Downflow	Upflow	Filter
Continuous (15 psi drop)	43 GPM 9.9 m^3/hr	39 GPM 8.9 m^3/hr	37 GPM 8.4 m^3/hr
Peak (25 psi drop)	56 GPM 12.7 m^3/hr	51 GPM 11.9 m^3/hr	47 GPM 10.7 m^3/hr
Cv (flow at 1 psi drop)	11.2	10.1	9.4
Max. Backwash (25 psi drop)	33 GPM 7.5 m^3/hr	36 GPM 8.1 m^3/hr	45 GPM 9.9 m^3/hr

FLOW RATES (50 PSI INLET) – VALVE ALONE – 4" BASE

Piston	Downflow	Upflow	Filter
Continuous (15 psi drop)	45 GPM 10.3 m^3/hr	40 GPM 9.1 m^3/hr	38 GPM 8.7 m^3/hr
Peak (25 psi drop)	59 GPM 13.3 m^3/hr	52 GPM 11.7 m^3/hr	50 GPM 11.3 m^3/hr
Cv (flow at 1 psi drop)	11.7	10.3	9.9
Max. Backwash (25 psi drop)	34 GPM 7.8 m^3/hr	36 GPM 8.2 m^3/hr	45 GPM 10.2 m^3/hr

REGENERATION

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

METER INFORMATION

Meter Accuracy	
1-1/4" Turbine:	2 – 40 GPM ± 5% (0.45 – 9 m^3/h)
Meter Capacity Range	
SXT:	1 – 999,900 gal (0 – 3,785 m^3)
XTR2/XTRI:	1 – 9,999,999 gal (0 – 378,541 m^3)

DIMENSIONS

Distributor Pilot	1.05" O.D. (26.7 mm) 32 mm O.D. 1.315" O.D. (33.4 mm) 1.9" O.D. (48.3 mm)
Drain Line	1.5" NPT Quick-Connect
Brine Valve	
1600:	3/8" or 1/2"
Injector System	1610
Mounting Base	2.5" – 8 NPSM 4" – NPSM
Height from Top of Tank	12" (305 mm)
Riser Height	1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener	8 - 24" Diameter
Filters	8 - 24" Diameter based on 10 GPM/ft^2

ADDITIONAL INFORMATION

Electrical Rating	12 Volts DC
Estimated Shipping Weight	12 lbs (5.44 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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