

FLECK 5812R CONTROL VALVE



TESTED and CERTIFIED by the WQA to NSF/ANSI Std. 44 & 372 for water softener performance and low lead compliance.



TESTED EMC and Low Voltage Directive



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

CONFIGURATIONS • OPTIONS

- ◆ Filter or softener control valves
- ◆ Downflow co-current regeneration
- ◆ Plumbing connections in 3/4", 1", 1-1/4", or 1-1/2" NPT, 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 or blue

TIMER OPTIONS

- ◆ **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

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	3/4", 1", 1-1/4", NPT, 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

REGENERATION

Downflow/Upflow	Downflow
Adjustable Cycles	Yes
Timers Available	
SXT:	0 – 199 min/cycle
XTR2:	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:	1 – 9,999,999 gal (0 – 378,541 m ³)

DIMENSIONS

Distributor Pilot	1.05" O.D. (26.7 mm) 32 mm O.D.
Drain Line	1.5" NPT Quick-Connect
Brine Valve 1600:	3/8"
Injector System	1610
Mounting Base	2.5" – 8 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)



Pentair Residential Filtration

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