FLECK 5812
CONTROL VALVE

HIGH PERFORMANCE FLEXIBLE 1-1/4" 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 45 GPM with a backwash of 35 GPM

Backwash capability accommodates softener tanks up to 24" and filters up to 24" in diameter

Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system

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

OPTIONS

Filter or softener control valves

Downflow co-current or upflow counter-current regeneration

Plumbing connections in 3/4" to 1-1/4" NPT, BSP, and sweat

Fiber-reinforced polymer high-flow bypass valve

Variable reserve for increased efficiency

Programmable regeneration types for increased flexibility

Two color bezel options of black or blue

XTR2- Premium touch screen LCD display with two programmable relay outputs for both normally opened and normally closed contacts

SXT- Large LCD display and user-selectable time clock or metered function; usable for filtration and softener systems

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

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	3/4", 1", or 1-1/4" NPT/ BSP/Sweat
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
Time 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 I.D. 1" I.D. (25.4 mm)
Drain Line	1.5" NPTF Quick-Connect
Brine Valve	
1600:	3/8"
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
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

PENTAIR WATER QUALITY SYSTEMS
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