

FLECK 5812 CONTROL VALVE

HIGH PERFORMANCE FLEXIBLE 1-1/4" VALVE



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 userselectable 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	43 GPM	39 GPM	37 GPM
(15 psi drop)	9.9 m³/hr	8.9 m³/hr	8.4 m³/hr
Peak	56 GPM	51 GPM	47 GPM
(25 psi drop)	12.7 m³/hr	11.9 m³/hr	10.7 m³/hr
Cv (flow at 1 psi drop)	11.2	10.1	9.4
Max. Backwash	33 GPM	36 GPM	45 GPM
(25 psi drop)	7.5 m³/hr	8.1 m³/hr	9.9 m³/hr

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

Piston	Downflow	Upflow	Filter
Continuous	45 GPM	40 GPM	38 GPM
(15 psi drop)	10.3 m³/hr	9.1 m³/hr	8.7 m³/hr
Peak	59 GPM	52 GPM	50 GPM
(25 psi drop)	13.3 m³/hr	11.7 m³/hr	11.3 m³/hr
Cv (flow at 1 psi drop)	11.7	10.3	9.9
Max. Backwash	34 GPM	36 GPM	45 GPM
(25 psi drop)	7.8 m³/hr	8.2 m³/hr	10.2 m³/hr

REGENERATION

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

METER INFORMATION

Meter Accuracy 1-1/4" Turbine: 2 - 40 GPM ± 5% (0.45 - 9 m³/h)

Meter Capacity Range SXT:

(0 - 3,785 m³) XTR2: 1 - 9,999,999 gal (0 - 378,541 m³)

1 - 999,900 gal

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

3/8"

Brine Valve 1600:

Injector System 1610

Mounting Base 2.5" – 8 NPSM 4" – NPSM

Height from Top of Tank

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)

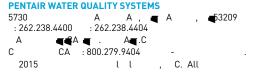
Working: 20 - 125 psi

(1.4 - 8.5 bar)

Temperature

Cold Water Valve: 34 - 110°F (1 - 43°C)





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