# PENTAIR

# 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 43 GPM with a backwash of 33 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", 1" or 1-1/4" 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 of black, blue, or silver

**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

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

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

| Piston | Downflow | Upflow | Filter |
|---|---|---|---|
| Continuous (15 psi drop) | 45 GPM 10.3 m³/hr | 40 GPM 9.1 m³/hr | 38 GPM 8.7 m³/hr |
| Peak (25 psi drop) | 59 GPM 13.3 m³/hr | 52 GPM 11.7 m³/hr | 50 GPM 11.3 m³/hr |
| Cv (flow at 1 psi drop) | 11.7 | 10.3 | 9.9 |
| Max. Backwash (25 psi drop) | 34 GPM 7.8 m³/hr | 36 GPM 8.2 m³/hr | 45 GPM 10.2 m³/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 m³/h) |
| Meter Capacity Range | |
| SXT: | 1 - 999,900 gal (0 - 3,785 m³) |
| XTR2: | 1 - 9,999,999 gal (0 - 378,541 m³) |

## 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/ft² |

## 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**