FLECK 5000
HIGH PERFORMANCE CONTROL VALVE

PROGRAMMING EASE WITH OPTIONS FOR FILTER AND SOFTENER APPLICATIONS

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 21 GPM with a backwash of 17 GPM

Backwash capability accommodates softener tanks up to 16" and filter up to 16" in diameter

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

Super capacitor for keeping time of day during power outage

Time-tested, hydraulically-balanced piston for service and regeneration

Soft water refill for a cleaner brine tank

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

Brine cam auxiliary switch

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

Fiber-reinforced polymer or stainless steel bypass valve

SXT- Large LCD display with one programmable relay output for both normally opened 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 979

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

Continuous 15 psi drop	21 GPM (4.8 m^3/h)
Peak 25 psi drop	27 GPM (6.1 m^3/h)
Cv flow at 1 psi drop	5.4
Max. Backwash 25 psi drop	17 GPM (3.9 m^3/h)

REGENERATION

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

METER INFORMATION

Meter Accuracy 3/4" Paddle/Turbine:	0.25 - 15 GPM ± 5% (0.06 - 3 m^3/h)
Meter Capacity Range SXT:	1 - 999,900 gal (0 - 3,785 m^3)

DIMENSIONS

Distributor Pilot	1.05" O.D. (26.7 mm)
Drain Line	1/2" NPTF Quick-Connect
Brine Valve 1600:	3/8"
Injector System	1610
Mounting Base	2.5"– 8 NPSM
Height from Top of Tank	8" (203 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	Flush with top of tank

TYPICAL APPLICATIONS

Water Softener	6 - 16" diameter
Filters	6 - 16" diameter based on 10 GPM/ft^2

ADDITIONAL INFORMATION

Electrical Rating	110/220V 50/60 Hz
Max. VA	8.4
Estimated Shipping Weight Time Clock:	8 lbs
Metered Valve:	9 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

WATER QUALITY SYSTEMS
5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209
P: 262.238.4400 | F: 262.238.4404
WATERPURIFICATION.PENTAIR.COM
CUSTOMER CARE: 800.279.9404 | tech-support@pentair.com
© 2016 Pentair Residential Filtration, LLC. All rights reserved.
§For a detailed list of where Pentair trademarks are registered, please visit waterpurification.pentair.com/brands. Pentair trademarks and logos are owned by Pentair plc or its affiliates. Third party registered and unregistered trademarks and logos are the property of their respective owners.
42960 REV D AU16