

# FLECK 5000

## HIGH PERFORMANCE CONTROL VALVE

PROGRAMMING EASE WITH OPTIONS FOR FILTER AND SOFTENER APPLICATIONS



### 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 <sup>3</sup> /h)
Peak 25 psi drop	27 GPM (6.1 m <sup>3</sup> /h)
Cv flow at 1 psi drop	5.4
Max. Backwash 25 psi drop	17 GPM (3.9 m <sup>3</sup> /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 <sup>3</sup> /h)
Meter Capacity Range SXT:	1 - 999,900 gal (0 - 3,785 m <sup>3</sup> )

## 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 <sup>2</sup>

## 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)



### WATER QUALITY SYSTEMS

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