

# FLECK® 5800 CONTROL VALVES

HIGH PERFORMANCE FLEXIBLE 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 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

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 or stainless steel bypass valve

Variable reserve for increased efficiency

Programmable regeneration types for increased flexibility

Three color bezel options of black, silver, 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

**LXT-** Midsize LCD display comes preprogrammed for your choices of softener or filter and time clock or metered, with a maximum of 5 parameters to complete set-up



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

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	
LXT:	Minutes calculated
SXT:	0 - 199 min/cycle
XTR2:	0 - 240 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	
LXT:	Volume Calculated
SXT:	1 - 999,900 gal (0 - 3,785 m <sup>3</sup> )
XTR2:	1 - 9,999,999 gal (0 - 378,541 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	9" (228 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	1/4" Below top of tank

## TYPICAL APPLICATIONS

Water Softener	6 - 16" diameter
Filters	8 - 16" diameter based on 10 GPM/ft <sup>2</sup>

## ADDITIONAL INFORMATION

Electrical Rating	12 Volts DC
Estimated Shipping Weight	
Time Clock:	7 lbs
Metered Valve:	10 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)



### FILTRATION & PROCESS

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