

# FLECK® 2750 1-INCH CONTROL VALVE

IDEAL FOR RESIDENTIAL OR COMMERCIAL FILTER AND SOFTENER APPLICATIONS



## FEATURES/BENEFITS

- Lead-free brass valve body for superior strength and durability
- Continuous service flow rate of 26 GPM with a backwash of 25 GPM
- Backwash capability accommodates softener tanks up to 30" and filter up to 21" 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
- Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

## OPTIONS

- Filter or softener control valves
- No hard water bypass piston
- Brine cam auxiliary switch
- Electromechanical timer auxiliary switch
- Hot water
- Electromechanical 7- or 12-day time clock, meter delayed, or meter immediate regeneration
- Manual lever operations

**NXT-** Network controller uses on-board communication capabilities to link multiple valves (via off-the-shelf CAT3, CAT5, or better cables) for system types 4,5,6,7,9, and 14.

**SXT-** Large LCD display and user-selectable time clock or metered function; usable for filtration and softener systems.

**XT-** Offers a two-line, 16 character LCD backlit display for easy entering of master and user programming as well as view of diagnostics.

**Electromechanical Timer-** Simple to adjust and easy to service with quick access to all internal components.



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 61 Section 8 Material Safety Only.



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	Lead-free brass*
Inlet/Outlet	1" NPTM/BSPM
Cycles	3 or 5

## FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous 15 psi drop	26 GPM (5.9 m <sup>3</sup> /h)
Peak 25 psi drop	33 GPM (7.5 m <sup>3</sup> /h)
Cv flow at 1 psi drop	6.8
Max. Backwash 25 psi drop	25 GPM (5.7 m <sup>3</sup> /h)

## REGENERATION

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Time Available	
Electromechanical:	0 - 164 min/regeneration
SXT:	0 - 199 min/cycle
NXT:	0 - 240 min/cycle
XT:	0 - 240 min/cycle

## METER INFORMATION

Meter Accuracy	
3/4" Paddle:	0.25 - 15 GPM ± 5% (0.06 - 3 m <sup>3</sup> /h)
1" Paddle:	0.7 - 40 GPM ± 5% (0.16 - 9 m <sup>3</sup> /h)
1" Turbine:	2 - 40 GPM +5/-8% (0.45 - 9 m <sup>3</sup> /h)
Meter Capacity Range	
3/4" Standard:	125 - 2,125 gal (0.5 - 8 m <sup>3</sup> )
3/4" Extended:	625 - 10,625 gal (2.5 - 40 m <sup>3</sup> )
1" Standard:	310 - 5,270 gal (1.2 - 20 m <sup>3</sup> )
1" Extended:	1,550 - 26,350 gal (6 - 100 m <sup>3</sup> )
SXT:	1 - 999,900 gal (0 - 3,785 m <sup>3</sup> )
NXT:	1 - 9,900,000 gal (0 - 37,476 m <sup>3</sup> )
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m <sup>3</sup> )

## DIMENSIONS

Distributor Pilot	1.05" O.D. (26.7 mm)
Drain Line	3/4" NPTM
Brine Valve	
1600 or 1650:	3/8"
1700 or 1710:	1/2"
Injector System	1600 or 1700
Mounting Base	2.5" - 8 NPSM
Height from Top of Tank	6.5" (165 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	Flush with top of tank

## TYPICAL APPLICATIONS

Water Softener	10 - 30" diameter
Filters	10 - 21" diameter based on 10 GPM/ft <sup>2</sup>

## ADDITIONAL INFORMATION

Electrical Rating	24/110/220V 50/60 Hz
Estimated Shipping Weight	
Time Clock:	13 lbs
Metered Valve:	26 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)
Hot Water Valve:	34 - 180°F (1 - 82°C)
Filter, Time Clock, 1600 Brine System	
Hot Water Valve:	34 - 150°F (1 - 66°C)
Meter, 1700 Brine System	

\*As defined in the U.S. EPA Safe Drinking Water Act; the product also meets California Proposition 65 Standards for lead-free brass.



## FILTRATION & PROCESS

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