FLECK® 2750
1-INCH CONTROL VALVE

IDEAL FOR RESIDENTIAL OR COMMERCIAL FILTER AND SOFTENER APPLICATIONS

MADE IN THE USA OF FOREIGN & DOMESTIC PARTS





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 programing 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^3/h)
Peak 25 psi drop	33 GPM (7.5 m^3/h)
Cv flow at 1 psi drop	6.8
Max. Backwash 25 psi drop	25 GPM (5.7 m^3/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^3/h)
1" Paddle:	0.7 - 40 GPM ± 5% (0.16 - 9 m^3/h)
1" Turbine:	2 - 40 GPM +5/-8% (0.45 - 9 m^3/h)
Meter Capacity Range	
3/4" Standard:	125 - 2,125 gal (0.5 - 8 m^3)
3/4" Extended:	625 - 10,625 gal (2.5 - 40 m^3)
1" Standard:	310 - 5,270 gal (1.2 - 20 m^3)
1" Extended:	1,550 - 26,350 gal (6 - 100 m^3)
SXT:	1 - 999,900 gal (0 - 3,785 m^3)
NXT:	1 - 9,900,000 gal (0 - 37,476 m^3)
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m^3)

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^2

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: Filter, Time Clock, 1600 Brine System	34 - 180°F (1 - 82°C)
Hot Water Valve: Meter, 1700 Brine System	34 - 150°F (1 - 66°C)

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

PENTAIR

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industrial water purification systems