

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 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: | 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.



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