

FLECK® 3150 2-INCH CONTROL VALVE

HIGH PROGRAMMABILITY FOR COMMERCIAL/INDUSTRIAL FILTER AND SOFTENER APPLICATIONS



FEATURES/BENEFITS

Lead-free brass valve body for superior strength and durability

Continuous service flow rate of 95 GPM with a backwash of 105 GPM

Backwash capability accommodates softener tanks up to 63" and filter up to 42" in diameter

Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system

Designed for single or multiple tank systems

Environmental protective cover for water resistance, corrosion resistance, and UV stability

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

Downflow co-current or upflow counter-current regeneration

No hard water bypass piston

Brine cam auxiliary switch

Electromechanical timer auxiliary switch

Hot water

Versatile top or side mount

Electromechanical 7- or 12-day time clock, meter delayed, or meter immediate regeneration

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

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 | 2" NPTF/BSPF |
| Cycles | 3 or 5 |

FLOW RATES (50 PSI INLET) – VALVE ALONE

| | |
|------------------------------|----------------------------------|
| Continuous 15 psi drop | 95 GPM (21.6 m ³ /h) |
| Peak 25 psi drop | 124 GPM (28.2 m ³ /h) |
| Cv flow at 1 psi drop | 24.8 |
| Max. Backwash 25 psi drop | 105 GPM (23.8 m ³ /h) |

REGENERATION

| | |
|--------------------|--------------------------|
| Downflow/Upflow | Both |
| Adjustable Cycles | Yes |
| Time Available | |
| Electromechanical: | 0 - 164 min/regeneration |
| NXT: | 0 - 240 min/cycle |
| XT: | 0 - 240 min/cycle |

METER INFORMATION

| | |
|----------------------|---|
| Meter Accuracy | |
| 2" Paddle: | 3 - 150 GPM ± 5% (.68 - 34 m ³ /h) |
| Meter Capacity Range | |
| 2" Standard: | 1,250 - 21,250 gal (5 - 75 m ³) |
| 2" Extended: | 6,250 - 106,250 gal (24 - 375 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 | 2.375" O.D. (63 mm) |
| Drain Line | 2" NPTF |
| Brine Valve 1600 or 1650: | 1" |
| Injector System | 1800 |
| Mounting Base | 4" - 8 UN |
| Height from Top of Tank | 10" (254 mm) |
| Riser Tube Diameter | 2" (51 mm) |
| Riser Height | 1/4" Below top of tank |

TYPICAL APPLICATIONS

| | |
|----------------|-------------------|
| Water Softener | 14 - 63" diameter |
| Filter | 14 - 42" diameter |

ADDITIONAL INFORMATION

| | |
|---------------------------------------|---------------------------------|
| Electrical Rating | 24/110/220V; 50/60 Hz |
| Estimated Shipping Weight | |
| Time Clock: | 39 lbs |
| Metered Valve: | 46 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 | 34 - 180°F (1 - 82°C) |
| Hot Water Valve: Softener No Meter | 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.



FILTRATION & PROCESS

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