

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.



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