



## FLECK<sup>®</sup> 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 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	2" NPTF/BSPF
Cycles	3 or 5

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

Continuous 15 psi drop	95 GPM (21.6 m <sup>3</sup> /h)
Peak 25 psi drop	124 GPM (28.2 m <sup>3</sup> /h)
Cv flow at 1 psi drop	24.8
Max. Backwash 25 psi drop	105 GPM (23.8 m <sup>3</sup> /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 <sup>3</sup> /h)
Meter Capacity Range	
2" Standard:	1,250 - 21,250 gal (5 - 75 m <sup>3</sup> )
2" Extended:	6,250 - 106,250 gal (24 - 375 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	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.