

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 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 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:	34 - 180°F (1 - 82°C)
Filter	
Hot Water Valve:	34 - 150°F (1 - 66°C)
Softener No Meter	

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



WATER QUALITY SYSTEMS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209

P: 262.238.4400 | F: 262.238.4404

WATERPURIFICATION.PENTAIR.COM

CUSTOMER CARE: 800.279.9404 | tech-support@pentair.com

© 2015 Pentair Residential Filtration, LLC. All rights reserved.

*For a detailed list of where Pentair trademarks are registered, please visit waterpurification.pentair.com.

Pentair trademarks and logos are owned by Pentair, Inc. or its affiliates. Third party registered and unregistered trademarks and logos are the property of their respective owners.

40741 REV D AU15