

est. 1947

# DUFF<sup>co.</sup>

When you need it now... or don't know how

## FLECK 3150 SPECS

### 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

#### 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

**NXT2** - Network up to 8 valves for multi-system control. Improved display (OLED) allows for easy viewing. Multivalve system settings can be pushed from one controller to expedite setup.

**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

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## 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
NXT2:	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> )
NXT2:	1 - 9,999,999 gal (0 - 37,854 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 1800:	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.

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