FLECK[®] Commercial control valves

IDEAL FOR SMALL COMMERCIAL AND INDUSTRIAL APPLICATIONS







FEATURES/BENEFITS

Lead-free brass valve body for superior strength and durability

Continuous service flow rate of 46 GPM with a backwash of 47 GPM

Backwash capability accommodates softener tanks up to 36" and filters up to 24" in diameter

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

Designed for single or multiple tank systems

OPTIONS

Filter or softener control valves No hard water bypass piston Brine cam auxiliary switch

Electromechanical timer auxiliary switch

Hot water

Versatile top or side mount

Manual lever operations

resistance, and UV stability Time-tested, hydraulically-balanced piston for service and regeneration

Environmental protective cover

for water resistance, corrosion

Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

NXT- Network controller uses onboard 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

SXT- Large LCD display and userselectable 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 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

DIMENSIONS

Valve Material Inlet/Outlet Cycles	Lead-free brass* 1-1/2" NPTF/BSPF 3 or 5	Distributor Pilot Drain Line Brine Valve 1600 or 1650: 1700 or 1710:	1.9" O.D. (50 mm) 1" NPTM 3/8" 1/2"
FLOW RATES (50 PSI INLET) – VALVE ALONE		Injector System	172 1600 or 1700
Continuous	46 GPM	Mounting Base	4"– 8 UN
15 psi drop	(10.4 m³/h) 60 GPM	Height from	
Peak 25 psi drop	(13.6 m ³ /h)	Top of Tank	6.5" (165 mm)
Cv	12	Riser Tube Diameter	1-1/2" (38 mm)
flow at 1 psi drop		Riser Height	1/4" Below top of tank
Max. Backwash ^{25 psi drop}	47 GPM (10.7 m³/h)	TYPICAL APPLICATIONS	
REGENERATION		Water Softener	14 - 36" diameter
 Downflow/Upflow	Downflow only	Filters	14 - 30" diameter based on 10 GPM/ft²
Adjustable Cycles	Yes		
Time Available		ADDITIONAL INFORMATION	
Electromechanical: SXT: NXT:	0 - 164 min/regeneration 0 - 199 min/cycle 0 - 240 min/cycle	Electrical Rating	24/110/220V 50/60 Hz
XT:	0 - 240 min/cycle	Estimated Shipping Weight Time Clock:	7 lbs
METER INFORMATION		Metered Valve:	10 lbs
Meter Accuracy		Pressure	
1" Paddle:	0.7 - 40 GPM ± 5% (0.16 - 9 m³/h)	Hydrostatic:	300 psi (20 bar)
1-1/2" Paddle: 1-1/2" Turbine:	1.5 - 75 GPM ± 5% (0.34 - 17 m³/h) 2 - 40 GPM +5/-8%	Working:	20 - 125 psi (1.4 - 8.5 bar)
i ijz idibilic.	(0.45 - 9 m ³ /h)	Temperature	
Meter Capacity Range 1" Standard:	210 5 270 gol	Cold Water Valve:	34 - 110°F (1 - 43°C)
1" Extended:	310 - 5,270 gal (1.2 - 20 m³) 1,550 - 26,350 gal	Hot Water Valve: Filter, Time Clock, 1600 Brine	34 - 180°F (1 - 82°C) ^{System}
1-1/2" Standard:	(6 - 100 m³) 625 - 10,625 gal	Hot Water Valve: Meter, 1700 Brine System	34 - 150°F (1 - 66°C)
1-1/2" Extended:	(2.5 - 40 m ³) 3,125 - 53,125 gal (12 - 200 m ³)		
SXT:	(12 - 200 m³) 1 - 999,900 gal (0 - 3,785 m³)	*As defined in the U.S. EPA Safe Drinking Water Act; the product also meets California Proposition 65 Standards for lead-free brass.	
NXT:	1 - 9,900,000 gal (0 - 37,476 m³)		
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m³)		



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