

FLECK 9000 RESIDENTIAL TWIN TANK CONTROL VALVE

IMMEDIATE REGENERATION WITH EASY PROGRAMMING AND 5-CYCLE CONTROL



DUFF WATER CONDITIONING
Products for Quality Water

MADE IN THE USA
OF FOREIGN & DOMESTIC PARTS



FEATURES/BENEFITS

- Fleck Lead free brass valve body for superior strength and durability
- Continuous service flow rate of 21 GPM with a backwash of 8.5 GPM
- Backwash capability accommodates softener tanks up to 16"
- Fully adjustable 5-cycle control for efficient and reliable water treatment system
- Time-tested, hydraulically-balanced piston for service and regeneration
- Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

- Salt and water savings by using 100% capacity of the tank in service before switching to the second tank
- Regenerates immediately when needed for continuous soft water
- Regenerates with soft water keeping system clean for optimum operating efficiency and minimum maintenance

OPTIONS

- Brine cam auxiliary switch
- Electromechanical timer auxiliary switch
- Plumbing connections in 3/4" to 1-1/4" NPT, BSP, and sweat
- Fiber-reinforced polymer or stainless steel bypass valve
- Hot water

- 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 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 44 for Water Softener Performance.



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	3/4", 1", or 1-1/4" NPT/BSP/Sweat
Cycles	5

FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous		
15 psi drop		
3/4" Meter:	18 GPM (4.1 m ³ /h)	
1" Meter:	20.5 GPM (4.8 m ³ /h)	
Peak		
25 psi drop		
3/4" Meter:	23.5 GPM (5.5 m ³ /h)	
1" Meter:	26.5 GPM (6.4 m ³ /h)	
Cv		
flow at 1 psi drop		
3/4" Meter:	4.7	
1" Meter:	5.3	
Max. Backwash		
25 psi drop		
3/4" Meter:	8 GPM (2 m ³ /h)	
1" Meter:	8 GPM (2 m ³ /h)	

REGENERATION

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Time Available	
Electromechanical:	0 - 164 min/regeneration
SXT:	0 - 199 min/cycle
XT:	0 - 240 min/cycle

METER INFORMATION

Meter Accuracy	
3/4" Paddle:	0.25 - 15 GPM ± 5% (0.06 - 3 m ³ /h)
1" Paddle:	0.7 - 40 GPM ± 5% (0.16 - 9 m ³ /h)
Meter Capacity Range	
3/4" Standard:	125 - 2,125 gal (0.5 - 8 m ³)
3/4" Extended:	625 - 10,625 gal (2.5 - 40 m ³)

METER INFORMATION (CONTINUED)

1" Standard:	310 - 5,270 gal (1.2 - 20 m ³)
1" Extended:	1,550 - 26,350 gal (6 - 100 m ³)
SXT:	1 - 999,900 gal (0 - 3,785 m ³)
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m ³)

DIMENSIONS

Distributor Pilot	1.05" O.D. (32 mm)
Drain Line	1/2" NPTF
Brine Valve	
1600:	3/8"
Injector System	1600
Mounting Base	2.5" - 8 NPSM
Height from	
Top of Tank	6.5" (165 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener	6 - 16" diameter
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ADDITIONAL INFORMATION

Electrical Rating	24/110/220V 50/60 Hz
Max VA	8.25
Estimated Shipping Weight	
3/4" Metered Valve:	19 lbs
1" Metered Valve:	23 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 - 150°F (1 - 66°C)
1" Meter Units Only	

*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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