

FLECK 3900 3-INCH CONTROL VALVE

5-CYCLE CONTROL FOR SINGLE OR MULTI-TANK SYSTEMS





FEATURES • BENEFITS

- Lead-free brass valve body for superior strength and durability
- Continuous service flow rate of 250 GPM with a backwash of 100 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, hydraulicallybalanced piston for service and regeneration



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.



Restriction of Hazardous Substance Compliant

CONFIGURATIONS • 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

- Treated water regeneration
- 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
- 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

VALVE SPECIFICATIONS

Valve Material	Lead-free brass*
Inlet/Outlet	3" NPTF/BSPF
Cycles	3 or 5

FLOW RATES (50 PSI INLET) - VALVE ALONE

	INATED (SOT OTHELT)	VALVEALONE
Continu 15 psi (1.	ous O bar) drop	250 GPM (56.8 m ³ /h)
Peak 25 psi (1	.7 bar) drop	325 GPM (73.8 m ³ /h)
Cv flow at 1	psi (0.07 bar) drop	65
Max. Ba 25 psi (1	ckwash 7 bar) drop	100 GPM (22.7 m ³ /h)
REGEN	IERATION	
Downflo	w/Upflow	Both
Adjustal	ole Cycles	Yes
Timer A	vailable	
	Electromechanical:	0 - 164 min/cycle

Electromechanical: NXT2: SXT:

METER INFORMATION

3" Paddle:

Meter Capacity Range

1-1/2" Paddle:

3" Standard:

3" Extended:

NXT2:

XT:

(3" stainless steel meter available on 3900 Electronic valves only)

Meter Accuracy

7-300 GPM ±5% $(1.6 - 68 \text{ m}^3/\text{h})$ 1.5 - 75 GPM ± 5% (5.7 - 283.9 LPM)

0-240 min/cycle

0-240 min/cycle

3,750 - 63,750 gal (14 - 240 m³)

18,750 - 318,750 gal (71 - 1,200 m³) 1 - 9,999,999 gal

> (0 - 37,476 m³) 1,000 - 9,900,000 gal (3.8 - 37,476 m³)

DIMENSIONS		
Distributor Pilot	3" O.D. (90 mm)	
Drain Line	2" NPTF	
Brine Valve 1800:	1 "	
Injector System	1800	
Mounting Base	Top: 6" – 8 threaded, 6" flanged or welded flange	
Height from Top of Tank	15" (381 mm)	
Riser Tube Diameter	3" (76 mm)	
Riser Height	Flush with top of tank	
TYPICAL APPLICATIONS		
Water Softener Filters	24 - 63" diameter 24 - 42" diameter based on 10 GPM/ft²	
ADDITIONAL INFORMATION		
Electrical Rating	24/100-240V	
50/60 Hz Estimated Shipping Weight		
Time Clock:	93 lbs	
Metered Valve:	115 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)	

*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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