

# FLECK® 3900 3-INCH CONTROL VALVE

5-CYCLE CONTROL FOR SINGLE OR MULTI-TANK SYSTEMS

**MADE IN THE  
USA**  
OF FOREIGN & DOMESTIC PARTS



## 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, 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

Electro-mechanical timer auxiliary switch

Treated water regeneration

Versatile top or side mount

Electromechanical 7- or 12-day time clock, meter delayed, or meter immediate regeneration

**3200NXT-** 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.

**Electro-mechanical Timer-** Simple to adjust and easy to service with quick access to all internal components.



TESTED and CERTIFIED by the WQA to NFS/ANSI Standard 61 Section 8 Material Safety Only.



TESTED and CERTIFIED by the WQA to NFS/ANSI Standard 372 for Lead Free Compliance.



Restriction of Hazardous Substance Compliant

## VALVE SPECIFICATIONS

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

## FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous (15 psi drop)	250 GPM (56.8 m <sup>3</sup> /h)
Peak (25 psi drop)	325 GPM (73.8 m <sup>3</sup> /h)
Cv (flow at 1 psi drop)	65
Max. Backwash (25 psi drop)	100 GPM (22.7 m <sup>3</sup> /h)

## REGENERATION

Downflow/Upflow	Both
Adjustable Cycles	Yes
Time Available	Electromechanical: 0-164 minutes 3200NXT: 0-240 minutes per cycle XT: 0-240 minutes per cycle

## METER INFORMATION

Meter Accuracy Range	7 - 300 GPM +/- 5%
Meter Capacity Range (gal.)	Standard: 3,750 - 63,750 Extended: 18,750 - 387,500 NXT: 1-9,900,000 XT: 1,000-9,900,000

## DIMENSIONS

Distributor Pilot	3" O.D.
Drain Line	2" NPTF
Brine System	1800
Brine Line	1"
Mounting Base	Top: 6" – 8 threaded, 6" flanged or welded flange
Height from Top of Tank	15"

## TYPICAL APPLICATIONS

Water Softener  
Filter

## ADDITIONAL INFORMATION

Electrical Rating	24V, 110V, 220V; 50 Hz, 60 Hz
Estimated Shipping Weight	Time clock: 93 lbs Metered: 115 lbs
Pressure	Hydrostatic: 300 psi (20 bar) Working: 20 - 125 psi (1,4 - 8,5 bar)
Temperature	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.



## FILTRATION & PROCESS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209  
P: 262.238.4400 | F: 262.238.4404 | WWW.PENTAIRAQUA.COM | CUSTOMER CARE: 800.279.9404

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