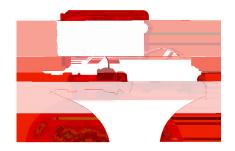
FLECK® 2900s 7-INCH CONTROL VALVE







FEATURES/BENEFITS

Lead-free brass valve body for superior strength and durability

Continuous service flow rate of 106 GPM with a backwash of 36 GPM

Backwash capability accommodates softener tanks up to 36" and filter 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

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

Electromechanical timer auxiliary switch

Hot water

Treated water regeneration

Versatile top or side mount

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

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

Valve Material Lead-free brass*
Inlet/Outlet 2" NPTF/BSPF
Cycles 5

FLOW RATES (50 PSI INLET) - VALVE ALONE

 Continuous
 106 GPM (24.1 m³/h)

 15 psi drop
 140 GPM (31.8 m³/h)

 Peak
 25 psi drop

 Cv
 27.5

 flow at 1 psi drop
 36 GPM (8.2 m³/h)

 Max. Backwash
 36 GPM (8.2 m³/h)

REGENERATION

Downflow/Upflow Both
Adjustable Cycles Yes

Time Available

Electromechanical: 0 - 164 min/regeneration NXT: 0 - 240 min/cycle XT: 0 - 240 min/cycle

METER INFORMATION

Meter Accuracy

2" Paddle: 3 - 150 GPM ± 5% (.68 - 34 m³/h)

Meter Capacity Range

2" Standard: 1,250 - 21,250 gal (5 - 75 m³)

2" Extended: 6,250 - 106,250 gal

(24 - 375 m³)

NXT: 1 - 9,900,000 gal (0 - 37,476 m³) XT: 1,000 - 9,900,000 gal

(3.8 - 37,476 m³)

DIMENSIONS

Distributor Pilot 1..9" O.D. (50 mm)

Drain Line 1" NPTM

Brine Valve

1600 or 1650: 3/8" 1700 or 1710 1/2"

Injector System 1600 or 1700

Mounting Base 4" - 8 UN

Height from

Top of Tank 12" (305 mm)

Riser Tube Diameter 1-1/2" (38 mm)

Riser Height 1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener 14 - 36" diameter
Filter 14 - 24" diameter
based on 10 GPM/ft²

ADDITIONAL INFORMATION

Electrical Rating 24/110/220V; 50/60 Hz

Estimated Shipping Weight

Time Clock: 33 lbs
Metered Valve: 40 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)

Time Clock, 1600 Brine System

Hot Water Valve: 34 - 150°F (1 - 66°C)

1700 Brine System

*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

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