

# FLECK® 9500

## 1-1/2 INCH TWIN TANK CONTROL VALVE

**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 38 GPM with a backwash of 16 GPM

Backwash capability accommodates softener tanks up to 24"

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

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 programming 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	1-1/2" NPTF/BSPF
Cycles	5

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

Continuous 15 psi drop	38 GPM (8.6 m <sup>3</sup> /h)
Peak 25 psi drop	49 GPM (11.1 m <sup>3</sup> /h)
Cv flow at 1 psi drop	9.8
Max. Backwash 25 psi drop	16 GPM (3.6 m <sup>3</sup> /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	
1-1/4" Turbine:	2 - 40 GPM +5/-8% (0.45 - 9 m <sup>3</sup> /h)
1-1/2" Paddle:	1.5 - 75 GPM ± 5% (0.34 - 17 m <sup>3</sup> /h)
Meter Capacity Range	
1-1/2" Standard:	625 - 10,625 gal (2.5 - 40 m <sup>3</sup> )
1-1/2" Extended:	3,125 - 53,125 gal (12 - 200 m <sup>3</sup> )
SXT:	1 - 999,900 gal (0 - 3,785 m <sup>3</sup> )
XT:	1,000 - 9,900,000 gal (3.8 - 37,476 m <sup>3</sup> )

## 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	1/2"– 8 UN
Height from Top of Tank	7.25" (184 mm)
Riser Tube Diameter	1-1/2" (38 mm)
Riser Height	1/4" Below top of tank

## TYPICAL APPLICATIONS

Water Softener	10 - 24" diameter
----------------	-------------------

## ADDITIONAL INFORMATION

Electrical Rating	24/110/220V 50/60 Hz
Max VA	8.9
Estimated Shipping Weight	
Metered Valve:	48 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)
Metered 1600, Brine System 1700	

\*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 | WWW.PENTAIRAQUA.COM | CUSTOMER CARE: 800.279.9404 | tech-support@pentair.com

All Pentair trademarks and logos are owned by Pentair, Inc. or its affiliates. All other registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

40743 REV F JL14 © 2013 Pentair Residential Filtration, LLC. All Rights Reserved.