FLECK 9100 VALVE
LIGHT COMMERCIAL/RESIDENTIAL TWIN TANK VALVE

PRECISION CONTROL AND IMMEDIATE REGENERATION

MADE IN THE USA OF FOREIGN & DOMESTIC PARTS





FEATURES/BENEFITS

Fleck* Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant

Continuous service flow rate of 20.1 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

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

FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous	
15 psi drop	
3/4" Meter:	18 GPM (4.1 m^3/h)
1" Meter:	20 GPM (4.5 m^3/h)
Peak	
25 psi drop	
3/4" Meter:	23 GPM (5.5 m^3/h)
1" Meter:	26 GPM (5.9 m^3/h)
Cv	
flow at 1 psi drop	
3/4" Meter:	4.6
1" Meter:	5.1
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 INFORMATION (CONTINUED)

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)
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	7.3" (185 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener	6 - 16" diameter

ADDITIONAL INFORMATION

Electrical Rating	24/110/220V 50/60 Hz
Max VA	8.9
Estimated Shipping Weight	
Mechanical Valve:	14-1/2 lbs
SXT and XT Valve:	12 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)

PENTAIR

pHorko® industrial water purification systems