FLECK® 7000 SERIES
HIGH FLOW RATE CONTROL VALVE

INNOVATIVE SOLUTION FOR LARGER TANK SIZE AND HIGH FLOW RATE

FEATURES/BENEFITS

Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant
Continuous service flow rate of 28 GPM with a backwash of 7 GPM
Backwash capability accommodates softener tanks up to 24” and filter up to 24” in diameter
Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system
Super capacitor for keeping time of day during power outage
Environmental protective cover for water resistance, corrosion resistance, and UV stability

OPTIONS

Filter or softener control valves
Brine cam auxiliary switch
Plumbing connections in 3/4” to 1-1/2” NPT, BSP, and sweat
Fiber-reinforced polymer high flow bypass valve
Variable reserve for increased efficiency
Programmable regeneration types for increased flexibility
Manual lever operations

NXT- 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, and 9
XTR- Offers a two-line, 16 character LCD backlit display for easy entering of master and user programing as well as view of diagnostics
SXT- Large LCD display and user-selectable time clock or metered function; usable for filtration and softener systems
**VALVE SPECIFICATIONS**

- **Valve Material**: Fiber-reinforced polymer
- **Inlet/Outlet**: 3/4”, 1”, 1-1/4”, or 1-1/2” NPT/BSP/Sweat
- **Cycles**: Up to 6

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

- **Continuous**
  - 15 psi drop
    - Standard Piston: 28 GPM (6.4 m³/h)
    - High Flow Piston: 36 GPM (8.2 m³/h)
    - Filter Piston: 37 GPM (8.4 m³/h)
  - **Peak**
    - 25 psi drop
    - Standard Piston: 36 GPM (8.2 m³/h)
    - High Flow Piston: 46 GPM (10.4 m³/h)
    - Filter Piston: 47 GPM (10.7 m³/h)
  - **Cv** flow at 1 psi drop
    - Standard Piston: 7.1
    - High Flow Piston: 9.2
    - Filter Piston: 9.5
  - **Max. Backwash**
    - 25 psi drop
    - Standard Piston: 7 GPM (1.6 m³/h)
    - High Flow Piston: 16 GPM (3.6 m³/h)
    - Filter Piston: 31 GPM (7 m³/h)

**REGENERATION**

- **Downflow/Upflow**: Downflow only
- **Adjustable Cycles**: Yes
- **Time Available**
  - SXT: 0 - 199 min/cycle
  - NXT: 0 - 240 min/cycle
  - XTR: 0 - 240 min/cycle

**METER INFORMATION**

- **Meter Accuracy**
  - 1-1/4” Turbine: 2 - 40 GPM +5/-8% (0.45 - 9 m³/h)
- **Meter Capacity Range**
  - SXT: 1 - 999,900 gal (0 - 3,785 m³)
  - NXT: 1 - 9,900,000 gal (0 - 37,476 m³)
  - XTR: 1 - 9,900,000 gal (0 - 37,476 m³)

**DIMENSIONS**

- **Distributor Pilot**: 1.05” O.D. (26.7 mm)
- **Drain Line**: 3/4” or 1” NPTM
- **Brine Valve 1600**: 3/8” or 1/2”
- **Injector System**: 1610
- **Mounting Base**: 2.5”– 8 NPSM
- **Height from Top of Tank**: 9” (228 mm)
- **Riser Tube Diameter**: 3/4” (19 mm)
- **Riser Height**: 1/4” Below top of tank

**TYPICAL APPLICATIONS**

- **Water Softener**: 8 - 24” diameter
- **Filter**: 8 - 24” diameter
  - based on 10 GPM/ft²

**ADDITIONAL INFORMATION**

- **Electrical Rating**: 24VAC 50/60 Hz
- **Max VA**: 15
- **Estimated Shipping Weight**
  - Time Clock/Metered Valve: 11 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)