

# Model 9000

## Residential Twin Tank Control Valve



Front (without cover)



Back (without cover)

### Features

- Fully adjustable 5-cycle control delivers controlled up flow backwash, down flow brining, slow rinse, rapid rinse, timed brine re-fill and down flow service
- Perfect for light commercial/heavy residential systems that require twin tank conditioning capabilities
- Backwash capacity handles tanks up to 16"
- Choice of 3/4" or 1" meter satisfies a wide range of operational needs
- 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 and keeps system clean for optimum operating efficiency and minimum maintenance
- Innovative second tank quick connection

### Options

- Bypass valve (Fiber-reinforced polymer or lead-free brass\*)
- Hot water (150°F max., 1" meter only)
- Auxiliary switches
- 3200 mechanical timer, SXT or XT electronic timer
- Cover with window for electronic timers

### Valve Specifications

|                |                    |
|----------------|--------------------|
| Valve material | Lead-free brass    |
| Inlet/Outlet   | 3/4", 1" or 1-1/4" |
| Cycles         | 5                  |

### Flow Rates (50 psi Inlet) - Valve with meter

| Flow rate                   | 1" meter | 3/4" meter | 3/4" turbine |
|-----------------------------|----------|------------|--------------|
| Continuous (15 psi drop)    | 21 GPM   | 18 GPM     | 19 GPM       |
| Peak (25 psi drop)          | 28 GPM   | 24 GPM     | 25 GPM       |
| Cv (flow at 1 psi drop)     | 5.1      | 4.8        | 5            |
| Max. backwash (25 psi drop) | 8.5 GPM  | 8.5 GPM    | 8.5 GPM      |

### Regeneration

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Downflow/Upflow   | Downflow only                                               |
| Adjustable cycles | Yes                                                         |
| Time available    | SXT: 0-199 minutes per cycle<br>XT: 0-240 minutes per cycle |

### Meter Information

|                             |                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------|
| Meter accuracy              |                                                                                                |
| 1"                          | .7 - 40 GPM +/- 5%                                                                             |
| 3/4"                        | .25 - 15 GPM +/- 5%                                                                            |
| Meter capacity range (gal.) |                                                                                                |
| 1"                          | Standard: 310 - 5,270<br>Extended: 1,550 - 26,350<br>SXT: 1 - 999,900<br>XT: 1,000 - 9,900,000 |
| 3/4"                        | Standard: 125 - 2,125<br>Extended: 625 - 10,625<br>SXT: 1 - 999,900<br>XT: 1,000 - 9,900,000   |

### Dimensions

|                         |                 |
|-------------------------|-----------------|
| Distributor pilot       | 1.05" O.D.      |
| Drain line              | 1/2" NPT        |
| Injector brine system   | 1600            |
| Brine line              | 3/8"            |
| Mounting base           | 2-1/2" - 8 NPSM |
| Height from top of tank | 6-1/2"          |

### Typical Applications

|                |                   |
|----------------|-------------------|
| Water softener | 6" - 16" diameter |
|----------------|-------------------|

### Additional Information

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| Electrical rating         | 24 v, 110 v, 220 v - 50 Hz, 60 Hz                        |
| Estimated shipping weight | 3/4" Metered valve: 19 lbs.<br>1" Metered valve: 23 lbs. |
| Pressure                  | Hydrostatic: 300 psi<br>Working: 20 - 125 psi            |
| Temperature               | 34° - 110° F (cold water)<br>34° - 180° F (hot water)    |

### Approvals

|                           |               |
|---------------------------|---------------|
| NSF Standard 44 Certified | 1 - 4 cu. ft. |
|---------------------------|---------------|

\* As defined in the U.S. EPA Safe Drinking Water Act product also meets California Proposition 65 Standards