

9000 CONTROL VALVE, (TAC GROUP)



9000 Features

- Perfect for light commercial/heavy residential systems that require twin tank conditioning capabilities
- Excellent flow rates - up to 24 gpm (peak)
- 5 cycle control delivers controlled upflow backwash, downflow brining, slow rinse, rapid rinse, timed brine refill and downflow service all performed with conditioned water
- Backwash capacity handles tanks up to 16" diameter
- Choice of 3/4" or 1" meters satisfies wide range of operational needs

9000 Options

- Bypass valve (Noryl®* or lead-free brass**)
- Hot water (150°F max, 1" only)
- Window cover
- Nickel plating
- No hard water bypass
- Auxiliary switches
- XT, SXT

Cycles

1. Backwash (Upflow)
2. Brine & Slow Rinse (Downflow)
3. Rapid Rinse (Downflow)
4. Brine Tank Refill
5. Service (Downflow)

Valve Specifications

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

Flow Rates (50 psi Inlet) - Valve Alone

Flow rate (50 psi inlet)	1" meter	3/4" meter
Continuous (15 psi drop)	21 GPM	18 GPM
Peak (25 psi drop)	28 GPM	24 GPM
CV (flow at 1 psi drop)	5.1	4.8
Max. backwash (25 psi drop)	8.5 GPM	8.5 GPM

Flow Rates (50 psi Inlet) - System†

Flow rate (50 psi inlet)	1" meter	3/4" meter
Continuous (15 psi drop)	17 GPM	13 GPM
Peak (25 psi drop)	24 GPM	20 GPM
Max. backwash (25 psi drop)	7 GPM	7 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	164 or 82 minutes

Meter Information

Meter accuracy range		
1"	0.7 - 40 GPM +/- 5%	
3/4"	0.25 - 15 GPM +/- 5%	
Meter capacity range (gal.)		
1" Standard:	310 - 5,270	Extended: 1,550 - 26,350
3/4" Standard:	125 - 2,125	Extended: 625 - 10,625

Dimensions

Distributor pilot	1.050" pipe O.D.
Drain line	1/2" NPTF
Brine line	1600 - 3/8"
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	6-1/2"

Typical Applications

Water softener	6" - 16" diameter
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Additional Information

Injector brine system	1600
Electrical rating	24V, 110V, 220V - 50 Hz, 60 Hz
Max. VA	8.9
Estimated shipping weight	3/4" Metered valve: 19 lbs. 1" Metered valve: 23 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110°F

Approvals

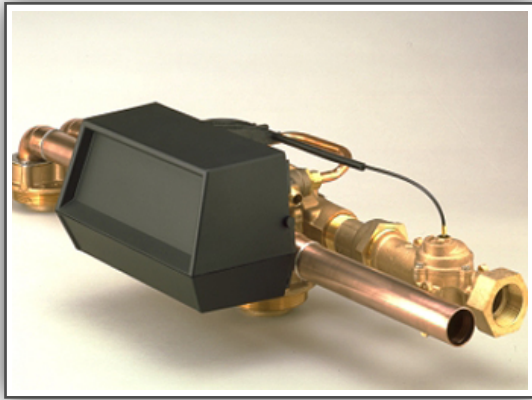
WQA Gold Seal system 1.0 - 6.0 cu.ft.

*Noryl is a registered trademark of General Electric Company.

**As defined in the Federal Safe Drinking Water Act; the product also meets California Proposition 65 Standards

†On largest recommended softener tank without bypass

9500 CONTROL VALVE, (TAC GROUP)



9500 Features

- Ideal for 1-1/2" commercial systems requiring flow rates up to 52 gpm (peak)
- Easily adjustable 5-cycle downflow brining control
- Backwash capacity handles up to 24" diameter tanks, eliminating excessive, space-wasting multiple tank installations
- Rugged, long life construction featuring lead-free brass valve body
- Total flexibility in meter and timer setting
- Satisfies operational needs from 310 to 53, 125 gallons
- Uses conditioned water for regeneration

9500 Options

- Hot water (150°F)
- ET Electronic timer
- Nickel plating
- Sleeved to 1" meter
- Extended range meter

Cycles

1. Backwash (Upflow)
2. Brine & Slow Rinse (Downflow)
3. Rapid Rinse (Downflow)
4. Brine Tank Refill
5. Service (Downflow)

Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	1-1/2" NPTF
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	43 GPM
Peak (25 psi drop)	55 GPM
CV (flow at 1 psi drop)	11.1
Max. backwash (25 psi drop)	16 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	Electromechanical: 82 or 164 mins.

Meter Information

Meter accuracy range 1-1/2"	1.5 - 75 GPM
Meter accuracy range 1-1/2" (gal.)	Standard: 625 - 10,625 Extended: 3,125 - 53,125

Dimensions

Distributor pilot	1.9" pipe O.D. (1.5" pipe)
Drain line	1" NPTF
Brine line	1/2" - 3/8"
Mounting base	4" - 8" UN
Height from top of tank	6-1/4"

Typical Applications

Water softener	10" - 24" diameter
Iron filter	N/A
Sediment filter	14" diameter
Carbon filter	14" diameter
Neutralizing filter	14" diameter

Additional Information

Injector brine system	3/8" - 1600, 3/8" - 1700
Electrical rating	24V, 110V, 220V - 50 Hz, 60 Hz
Max. VA	8.9
Estimated shipping weight	Metered valve: 48 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110°F

*As defined in the Federal Safe Drinking Water Act; the product also meets California Proposition 65 Standards

†On largest recommended softener tank. The 9500 uses conditioned water for regeneration. During regeneration, the service flow will be decreased at the same rate as the drain flow control during backwash and rapid rinse cycles.