

Soft water for your home and your family



Reliable water conditioning solutions for hard water problems

255 Valve Softeners

The 255 valve features a simple design and rugged construction that uses less water, runs quieter, and can ensure years of trouble-free performance.

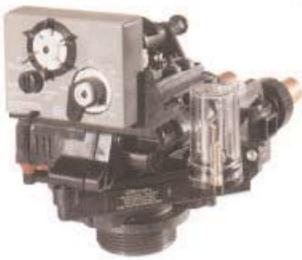
AUTOTROL 255

Features:

- * Available in capacities with 0.75, 1.0, and 1.5 cubic foot of resin.
- * 440i: 6-Day Calendar clock initiated valves are set to regenerate at preset intervals at 2:00 AM.
- * 460i: Demand meter initiated valves are set to regenerate only when needed. The regeneration occurs at 2:00 AM once a preset volume of water has passed through the softener.
- * Electrical: 12 Volt wall-mount transformer



Sold by:



255/440i

Autotrol® Product Specifications



255/460i

Flow Rates (Valve Only)

- Service @ 15 psi (1.03 bar) drop15.5 gpm (58 Lpm)
- Backwash @ 30 psi (2.07 bar) drop.....6.5 gpm (24.6 Lpm)
- Service.....Cv = 3.99 (Kv = 3.35)
- BackwashCv = 1.20 (Kv = 1.02)

Tested with a 3/4-inch Brass Manifold

Control Operation

- Timer Configuration460i, Demand Initiated Regeneration
.....440i, 6 Day Time Clock
- Cycles: Length: (Standard)
 - Backwash 13 Minutes
 - Brine/Slow Rinse..... 52 Minutes
 - Fast Rinse..... 6 Minutes
 - Brine Refill..... 9 Minutes

Valve Connections/Dimensions

- Tank Thread 2 1/2 inches - 8, Male
- Inlet /Outlet Manifold (Brass or Noryl*)..... 1-inch NPT or 1-inch BSPT, Female
- 3/4-inch NPT or 3/4-inch BSPT, Female
- Brine Line 1/4-inch NPT, Male
- Distributor Tube Diameter 1.050 inches (27 mm) or 13/16 inch (20.6 mm)
- Distributor Tube Length 1 1/8 ± 1/8 inches (29 mm ± 3 mm) Above Tank

Design Specifications/Ratings

- Valve Body..... Glass-Filled Noryl
- Rubber Components..... Compounded for Cold Water
- Weight (Valve with Control)..... 4 lbs (1.8 kg)
- Transformer Output..... 12VAC 400 mA
- Transformer Input..... 115V 50/60 Hz, 230V 50/60 Hz
..... 100V 50/60 Hz
- Recommended Operating Pressure..... 20-120 psi (1.38-8.27 bar)
..... Canada..... 20-100 psi (1.38-6.89 bar)
- Water Temperature..... 35°-100°F (2°-38°C)

Options

- Bypass Valve.....Noryl, 1/2-inch NPT Male, Drain
- Bypass Inlet/Outlet Fitting Kits:
 - Copper, Sweat Tube Adapter..... 1 inch or 3/4 inch or 28 mm or 22 mm
 - CPVC, Solvent Weld Tube Adapter..... 1 inch or 3/4 inch or 25 mm
 - Plastic NPT or BSPT Pipe Adapter 1-inch Male or 3/4-inch Male
 - Brass NPT or BSPT Pipe Adapter 1-inch Male or 3/4-inch Male
- Brine Refill Controls 1-10 lbs (0.45-4.5 kg)
..... 3-19 lbs (1.3-8.6 kg)

Backwash Flow Control Table

Backwash Number**	7	8	9	10	12	13	14
Tank Diameter (inches/mm)	7/186	8/210	9/235	10/260	12/305	13/334	14/369
Flow Rate (gpm)	1.3	1.7	2.2	2.7	3.4	4.5	5.3
Flow Rate (Lpm)	4.9	6.4	8.3	10.2	12.9	17.0	20.0

*Noryl is a trademark of General Electric Company.

**Backwash flow controls sized for 5.0 gpm/ft².