



Series EWS 2.0" L Simplex Commercial Softener

STANDARD FEATURES

- ◆ 2" NPT inlet and outlet top mounted lead free brass epoxy coated control valve.
- ◆ Electronic flow meter with accuracy within plus or minus 5 percent, flow rate range 1.5 to 75 gpm. Gallons range 500 to 250,000, totalizer 1 to 9,999,000 gallons.
- ◆ Service flow rate up to 75 gpm, peak flow rate up to 88 gpm, backwash flow rates up to 50 gpm.
- ◆ Fully adjustable 6 cycle controls backwash, slow/fast rinse, draw, refill and service.
- ◆ Soft water on demand.
- ◆ Cycles of operation. Cycle One backwash 1-20 minutes or off, Cycle Two draw/slow rinse 1-99 minutes or off, Cycle Three second backwash 1-20 minutes or off, Cycle Four fast rinse 1-20 minutes or off, Cycle Five regenerant refill (in service with treated water) 0.1-99 minutes of off, Cycle Six service.
- ◆ Four methods to initiate regeneration, meter immediate, meter delayed, time clock delayed or pressure differential.
- ◆ 1 ½" water distribution system utilizing single point distributor or hub and laterals for maximum flowrates.
- ◆ Operating pressure 20-125 psi / 138-861 kpa, operating temperature 40°F - 110°F (5°C - 44°C).
- ◆ Solid state microprocessor c/w display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (totalizer).
- ◆ Double backwash for optimum regeneration cleaning ability and salt efficiency.
- ◆ 12 volt output AC transformer.
- ◆ 1 - 28 days override on control valve programming.
- ◆ Brine tank salt grid for easy cleaning.
- ◆ Brine tanks 24" x 50" or 30" x 50" c./w brine well and safety float to eliminate overflowing tanks. The brine tank has 800 or 1000lb water softening salt capacity.
- ◆ 1 ¼" FPT drain line, ¾" FPT brine line.

Excalibur Water EWS 2" L Simplex Series Softener SPECIFICATIONS

| Model | Softener Tank Dia. X Ht. | Brine Tank Dia. X Ht. | Approx. Space Required | | | Shipping Weight | Operating Weight |
|------------|-----------------------------|--------------------------|------------------------|----------------------|--------------|--------------------|---------------------|
| | Inches (mm) | Inches (mm) | Height | Depth Inches (mm) | Width | Lbs (Kg.) | Lbs (Kg.) |
| EWS S2L120 | 16 x 65 (406 x 1651) | 24 x 50 (610 x 1270) | 77 (1956) | 27 (686) | 62 (1575) | 513 (233) | 1948 (885) |
| EWS S2L150 | 21 x 62 (533 x 1519) | 24 x 50 (610 x 1270) | 74 (1879) | 27 (686) | 72 (1829) | 933 (424) | 2450 (1113) |
| EWS S2L180 | 21 x 62 (533 x 1519) | 24 x 50 (610 x 1270) | 74 (1879) | 27 (686) | 72 (1829) | 983 (447) | 2500 (1136) |
| EWS S2L210 | 21 x 62 (533 x 1519) | 24 x 50 (610 x 1270) | 74 (1879) | 27 (686) | 72 (1829) | 1033 (469) | 2550 (1159) |
| EWS S2L240 | 24 x 72 (609 x 1827) | 30 x 50 (762 x 1270) | 74 (1879) | 27 (686) | 72 (1829) | 1083 (492) | 2600 (1181) |
| EWS S2L300 | 24 x 72 (609 x 1827) | 30 x 50 (762 x 1270) | 74 (1879) | 33 (839) | 72 (1829) | 1133 (515) | 2600 (1204) |

| Model | Capacity Grains Salt @ 10 lbs Salt @ 15 lbs Per Vessel | Total Grains Capacity @ 10 lbs @ 15 lbs Per Vessel | Resin Volume Per Vessel Cubic Ft (Cubic Meters) | Total Resin Capacity Cubic Ft (Cubic Meters) | Flow Rates GPM (LPS) | | BKW GPM (LPS) | Salt Per Regeneration Lbs (kg) |
|------------|--|--|---|--|---|-------------------|---------------------|--------------------------------------|
| | | | | | Continuous Flow Rate 15 Psi Pressure Drop | Peak Flow Rate | | |
| | | | | | EWS S2L120 | 80,000 120,000 | | |
| EWS S2L150 | 100,000 150,000 | 100,000 150,000 | 5 (0.141) | 5 (0.141) | 56 (3.53) | 64 (4.04) | 12 (0.76) | 50 (22.7) 75 (34.1) |
| EWS S2L180 | 120,000 180,000 | 120,000 180,000 | 6 (0.167) | 6 (0.167) | 62 (3.91) | 68 (4.29) | 12 (0.76) | 60 (27.3) 90 (40.9) |
| EWS S2L210 | 140,000 210,000 | 140,000 210,000 | 7 (0.198) | 7 (0.198) | 64 (4.04) | 72 (4.54) | 12 (0.76) | 70 (31.8) 105 (47.7) |
| EWS S2L240 | 160,000 240,000 | 160,000 240,000 | 8 (0.23) | 8 (0.23) | 70 (4.42) | 78 (4.92) | 14 (0.88) | 80 (36.4) 120 (54.5) |
| EWS S2L300 | 200,000 300,000 | 200,000 300,000 | 10 (0.29) | 10 (0.29) | 72 (4.54) | 80 (5.05) | 14 (0.88) | 90 (40.9) 135 (61.3) |

Canada

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