



## Series EWS 2.0" L Duplex 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.
- ◆ Parallel flow, alternating on demand soft water.
- ◆ 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 1/2" 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.
- ◆ Duplex alternating motorized electronic control valve (2").
- ◆ 1 – 28 day 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 1000 lb water softening salt capacity.
- ◆ 1 1/4" FPT drain line, 3/4" FPT brine line.

## Excalibur Water EWS 2" L Duplex Series Softener SPECIFICATIONS

| Model       | Softener Tank<br>Dia. X Ht. | Brine Tank<br>Dia. X Ht. | Approx. Space Required |             |              | Shipping<br>Weight | Operating<br>Weight |
|-------------|-----------------------------|--------------------------|------------------------|-------------|--------------|--------------------|---------------------|
|             | Inches<br>(mm)              | Inches<br>(mm)           | Height                 | Depth       | Width        | Lbs<br>(Kg.)       | Lbs<br>(Kg.)        |
| EWS SD2L120 | 16 x 65<br>(406 x 1651)     | 24 x 50<br>(610 x 1270)  | 77<br>(1956)           | 27<br>(686) | 62<br>(1575) | 513<br>(233)       | 1948<br>(885)       |
| EWS SD2L150 | 21 x 62<br>(533 x 1519)     | 24 x 50<br>(610 x 1270)  | 74<br>(1879)           | 27<br>(686) | 72<br>(1829) | 933<br>(424)       | 2450<br>(1113)      |
| EWS SD2L180 | 21 x 62<br>(533 x 1519)     | 24 x 50<br>(610 x 1270)  | 74<br>(1879)           | 27<br>(686) | 72<br>(1829) | 983<br>(447)       | 2500<br>(1136)      |
| EWS SD2L210 | 21 x 62<br>(533 x 1519)     | 24 x 50<br>(610 x 1270)  | 74<br>(1879)           | 27<br>(686) | 72<br>(1829) | 1033<br>(469)      | 2550<br>(1159)      |
| EWS SD2L240 | 24 x 72<br>(609 x 1827)     | 30 x 50<br>(762 x 1270)  | 74<br>(1879)           | 33<br>(839) | 72<br>(1829) | 1083<br>(492)      | 2600<br>(1181)      |
| EWS SD2L300 | 24 x 72<br>(609 x 1827)     | 30 x 50<br>(762 x 1270)  | 74<br>(1879)           | 33<br>(839) | 72<br>(1829) | 1133<br>(515)      | 2600<br>(1204)      |

| Model       | Capacity<br>Grains<br>Salt @ 10 lbs<br>Salt @ 15 lbs<br>Per Vessel | Total<br>Grains Capacity<br>@ 10 lbs<br>@ 15 lbs<br>Per Vessel | Resin<br>Volume<br>Per Vessel<br>Cubic Ft<br>(Cubic Meters) | Total<br>Resin<br>Capacity<br>Cubic Ft<br>(Cubic Meters) | Flow Rates                                      |                   | BKW<br>GPM<br>(LPS) | Salt Per<br>Regeneration<br>Lbs (kg) |
|-------------|--|--|---|--|---|-------------------|---------------------|--------------------------------------|
|             |  |  |   |  | GPM (LPS)                                       |                   |                     |                                      |
|             |  |  |   |  | Continuous<br>Flow Rate 15 Psi<br>Pressure Drop | Peak Flow<br>Rate |                     |                                      |
| EWS SD2L120 | 80,000   | 160,000  | 4   | 8  | 50  | 58                | 10                  | 40 (18.2)                            |
|             | 120,000  | 240,000  | (0.112)   | (0.224)  | (3.15)  | (3.66)            | (0.63)              | 60 (27.3)                            |
| EWS SD2L150 | 100,000  | 200,000  | 5   | 10   | 56  | 64                | 12                  | 50 (22.7)                            |
|             | 150,000  | 300,000  | (0.141)   | (0.282)  | (3.53)  | (4.04)            | (0.76)              | 75 (34.1)                            |
| EWS SD2L180 | 120,000  | 240,000  | 6   | 12   | 62  | 68                | 12                  | 60 (27.3)                            |
|             | 180,000  | 360,000  | (0.167)   | (0.334)  | (3.91)  | (4.29)            | (0.76)              | 90 (40.9)                            |
| EWS SD2L210 | 140,000  | 280,000  | 7   | 14   | 64  | 72                | 12                  | 70 (31.8)                            |
|             | 210,000  | 420,000  | (0.198)   | (.396)   | (4.04)  | (4.54)            | (0.76)              | 105 (47.7)                           |
| EWS SD2L240 | 160,000  | 320,000  | 8   | 16   | 70  | 78                | 14                  | 80 (36.4)                            |
|             | 240,000  | 480,000  | (0.23)  | (0.46)   | (4.42)  | (4.92)            | (0.88)              | 120 (54.5)                           |
| EWS SD2L300 | 200,000  | 400,000  | 10  | 20   | 72  | 80                | 14                  | 90 (40.9)                            |
|             | 300,000  | 600,000  | (0.29)  | (0.58)   | (4.54)  | (5.05)            | (0.88)              | 135 (61.3)                           |

### Canada

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