



Series EWS 2" H Duplex Commercial Softener

STANDARD FEATURES

- ◆ 2" NPT inlet or outlet / 2 1/2" Victaulic lead free brass epoxy coated control valve.
- ◆ Electronic flow meters for each control valve accuracy plus or minus 5 percent, flow rate range 1.5 – 125 gpm, gallon range 10 – 999,000 and totalizer 1,000 – 999,999,000 gallons.
- ◆ Service flow rates to 125 gpm, peak flow rates to 150 gpm, backwash flow rates to 125 gpm.
- ◆ Fully programmable and adjustable 9 cycle control valve that control backwash, slow/fast rinse, draw, refill, 2nd backwash and service, up to 9 cycles.
- ◆ Progressive flow, parallel flow, alternating on demand soft water.
- ◆ System designs up to 4 vessels.
- ◆ Cycles of operation – Cycle One backwash 1 – 95 minutes or off, Cycle Two brine draw 1 – 180 minutes or off, Cycle Three slow rinse 1 – 95 minutes or off, Cycle Four fast rinse 1 – 95 minutes or off, Cycle Five refill 0.1 – 99 minutes or off, Cycle Six hold (service) 1 – 480 minutes or off, three additional cycles for second backwash, slow rinse, fast rinse.
- ◆ Four methods to initiate regeneration, meter immediate, meter delayed, time clock delayed or pressure differential.
- ◆ 2" water distribution system utilizing hub and laterals for maximum flow rates.
- ◆ Operating pressure 20 – 125 psi / 138 – 861 kpa.
- ◆ Operating temperature 40°F - 110°F (5°C - 44°C).
- ◆ Solid state microprocessor c/w removal front panel, digital display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (totalizer). All 9 cycles are adjustable in second level diagnostics for desired flow rates in each cycle.
- ◆ Double backwash for optimum regeneration cleaning ability and salt efficiency.
- ◆ 24 volt output AC transformer, 12 or 24 hour time clock.
- ◆ Duplex alternating motorized electronic control valve (2").
- ◆ 1 – 28 day override on control valve program.
- ◆ Brine tank 30" x 50" and 50" x 60" c/w brine well and safety float. The brine tank has salt capacity of 1,000 lbs and 4,500 lbs.
- ◆ Optional 2" inlet and outlet motorized bypass valve.

Excalibur Water EWS 2" H Duplex Series Softener SPECIFICATIONS

| Model | Softener Tank Dia. X Ht. | Brine Tank Dia. X Ht. | Approx. Space Required Ins - (mm) | | | | Shipping Weight | Shipping Weight |
|--------------|-----------------------------|--------------------------|-----------------------------------|--------------|--------------------------|---------------|---------------------|---------------------|
| | Inches (mm) | Inches (mm) | Height | Depth | Width Single Duplex | | Single Lbs (Kg.) | Duplex Lbs (Kg.) |
| EWS SD2H300 | 24 x 72 (610 x 1829) | 30 x 50 (762 x 1290) | 93 (2362) | 37 (940) | 72 (1828) | 144 (3556) | 960 (423) | 1920 (864) |
| EWS SD2H450 | 30 x 72 (762 x 1828) | 30 x 50 (762 x 1290) | 93 (2362) | 37 (940) | 78 (1981) | 156 (3962) | 1310 (580) | 2620 (1160) |
| EWS SD2H600 | 36 x 72 (914 x 1828) | 50 x 60 (1270 x 1524) | 93 (2362) | 60 (1524) | 106 (2692) | 212 (5384) | 1867 (840) | 3734 (1680) |
| EWS SD2H900 | 42 x 72 (1066 x 1828) | 50 x 60 (1270 x 1524) | 93 (2362) | 66 (1676) | 112 (2844) | 224 (5689) | 3060 (1377) | 6120 (2754) |
| EWS SD2H1200 | 48 x 72 (1219 x 1828) | 50 x 60 (1270 x 1524) | 93 (2362) | 72 (1828) | 118 (2997) | 236 (5994) | 3865 (1739) | 7730 (3478) |

| Model | Capacity Grains Salt @ 10 lbs Salt @ 15 lbs Per Vessel | Total Grains Capacity @ 10 lbs @ 15 lbs | 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 SD2H300 | 200,000 | 400,000 | 10 | 20 | 80 | 100 | 15 | 60 (27) |
| | 300,000 | 600,000 | (0.28) | (.56) | (5.05) | (6.31) | (0.94) | 150 (68) |
| EWS SD2H450 | 300,000 | 600,000 | 15 | 30 | 90 | 110 | 25 | 90 (41) |
| | 450,000 | 900,000 | (0.42) | (0.84) | (5.68) | (6.94) | (1.57) | 225 (102) |
| EWS SD2H600 | 400,000 | 800,000 | 20 | 40 | 98 | 115 | 35 | 120 (54) |
| | 600,000 | 1,200,000 | (0.56) | (1.12) | (6.18) | (7.26) | (2.20) | 300 (136) |
| EWS SD2H900 | 600,000 | 1,200,000 | 30 | 60 | 107 | 125 | 48 | 180 (82) |
| | 900,000 | 1,800,000 | (0.84) | (1.68) | (6.75) | (7.89) | (3.02) | 450 (204) |
| EWS SD2H1200 | 800,000 | 1,600,000 | 40 | 80 | 120 | 140 | 63 | 240 (109) |
| | 1,200,000 | 2,400,000 | (1.12) | (2.24) | (7.57) | (8.83) | (3.97) | 600 (272) |

Canada

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