



Series EWS 1.5" Duplex Commercial Softener

STANDARD FEATURES

- ◆ 1 ½" 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 0.5 to 60 gpm. Gallons range 500 to 250,000, totalizer 1 to 9,999,000 gallons.
- ◆ Service flow rate up to 60 gpm, peak flow rate up to 68 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 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.
- ◆ Duplex alternating motorized electronic control valve (1 ½").
- ◆ 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 1000lb water softening salt capacity.
- ◆ 1 ¼" FPT drain line, ¾" FPT brine line.

Excalibur Water EWS 1.5" Duplex 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 SD1590	14 x 65 (355 x 1651)	24 x 50 (610 x 1270)	75 (1905)	27 (686)	58 (1473)	385 (175)	930 (1374)
EWS SD15120	16 x 65 (406 x 1651)	24 x 50 (610 x 1270)	77 (1956)	27 (686)	62 (1575)	513 (233)	1948 (885)
EWS SD15150	21 x 62 (533 x 1519)	24 x 50 (610 x 1270)	74 (1879)	27 (686)	72 (1829)	933 (424)	2450 (1113)
EWS SD15180	21 x 62 (533 x 1519)	24 x 50 (610 x 1270)	74 (1879)	27 (686)	72 (1829)	983 (447)	2500 (1136)
EWS SD15210	21 x 62 (533 x 1519)	24 x 50 (610 x 1270)	74 (1879)	27 (686)	72 (1829)	1033 (469)	2550 (1159)
EWS SD15240	24 x 72 (609 x 1827)	30 x 50 (762 x 1270)	74 (1879)	27 (686)	72 (1829)	1083 (492)	2600 (1181)
EWS SD15300	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	Total Grains Capacity	Resin Volume	Total Resin	Flow Rates GPM (LPS)		BKW GPM (LPS)	Salt Per Regeneration Lbs (kg)
	Salt @ 10 lbs Salt @ 15 lbs Per Vessel	@ 10 lbs @ 15 lbs Per Vessel	Per Vessel Cubic Ft (Cubic Meters)	Capacity Cubic Ft (Cubic Meters)	Continuous Flow Rate 15 Psi Pressure Drop	Peak Flow Rate		
	EWS SD1590	60,000 90,000	120,000 180,000	3 (0.085)				
EWS SD15120	80,000 120,000	160,000 240,000	4 (0.112)	8 (0.224)	42 (2.65)	50 (3.15)	10 (0.63)	40 (18.2) 60 (27.3)
EWS SD15150	100,000 150,000	200,000 300,000	5 (0.141)	10 (0.282)	48 (3.02)	56 (3.53)	12 (0.76)	50 (22.7) 75 (34.1)
EWS SD15180	120,000 180,000	240,000 360,000	6 (0.167)	12 (0.334)	52 (3.28)	60 (3.79)	12 (0.76)	60 (27.3) 90 (40.9)
EWS SD15210	140,000 210,000	280,000 420,000	7 (0.198)	14 (0.396)	53 (3.34)	61 (3.85)	12 (0.76)	70 (31.8) 105 (47.7)
EWS SD15240	160,000 240,000	320,000 480,000	8 (0.23)	16 (0.46)	55 (3.47)	63 (3.85)	14 (0.88)	80 (36.4) 120 (54.5)
EWS SD15300	200,000 300,000	400,000 600,000	10 (0.29)	20 (0.58)	58 (3.66)	66 (4.16)	14 (0.88)	90 (40.9) 135 (61.3)

Canada

• 220 Bayview Drive Unit 18, Barrie Ontario L4N 4Y8 •