



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	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 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	Peak Flow		
					Flow Rate 15 Psi Pressure Drop	Rate		
EWS SD1590	60,000	120,000	3	6	36	44	7	30 (13.6)
	90,000	180,000	(0.085)	(0.17)	(2.40)	(2.78)	(0.44)	45 (20.5)
EWS SD15120	80,000	160,000	4	8	42	50	10	40 (18.2)
	120,000	240,000	(0.112)	(0.224)	(2.65)	(3.15)	(0.63)	60 (27.3)
EWS SD15150	100,000	200,000	5	10	48	56	12	50 (22.7)
	150,000	300,000	(0.141)	(0.282)	(3.02)	(3.53)	(0.76)	75 (34.1)
EWS SD15180	120,000	240,000	6	12	52	60	12	60 (27.3)
	180,000	360,000	(0.167)	(0.334)	(3.28)	(3.79)	(0.76)	90 (40.9)
EWS SD15210	140,000	280,000	7	14	53	61	12	70 (31.8)
	210,000	420,000	(0.198)	(0.396)	(3.34)	(3.85)	(0.76)	105 (47.7)
EWS SD15240	160,000	320,000	8	16	55	63	14	80 (36.4)
	240,000	480,000	(0.23)	(0.46)	(3.47)	(3.85)	(0.88)	120 (54.5)
EWS SD15300	200,000	400,000	10	20	58	66	14	90 (40.9)
	300,000	600,000	(0.29)	(0.58)	(3.66)	(4.16)	(0.88)	135 (61.3)

Canada

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