



Series EWS 1.0" Simplex Commercial Softener

STANDARD FEATURES

- ◆ 1" NPT inlet and outlet top mounted composite electronic control valve.
- ◆ Electronic flow meter with accuracy within plus or minus 5 percent, flow rate range 0.25 to 27 gpm. Gallons range 20 to 50,000 gallons, 1000 to 9,999,000, totalizer.
- ◆ Service flow rate up to 27 gpm, peak flow rate up to 32 gpm, backwash flow rates up to 27 gpm.
- ◆ Fully adjustable 6 cycle controls backwash, slow/fast rinse, draw, refill and service.
- ◆ Cycles of operation. Cycle One backwash 6-12 minutes, Cycle Two draw/slow rinse 45-75 minutes, Cycle Three second backwash 3-12 minutes, Cycle Four fast rinse 3-8 minutes, Cycle Five regenerant refill (in service with treated water), Cycle Six service.
- ◆ Four methods to initiate regeneration, meter immediate, meter delayed, time clock delayed or pressure differential.
- ◆ 1" 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 day override on control valve programming.
- ◆ Brine tank salt grid for easy cleaning.
- ◆ Brine tanks 18" x 33" or 24" x 50" c./w brine well and safety float to eliminate overflowing tanks. The brine tank has 500lb or 800lb water softening salt capacity.
- ◆ 1" FPT drain line, 1/2" FPT brine line.

Excalibur Water EWS 1" 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	Width	Lbs (Kg.)	Lbs (Kg.)
	Inches (mm)						
EWS S130	9 x 48 (330 x 1371)	18 x 33 (457 x 838)	58 (1473)	20 (508)	48 (1219)	180 (81)	930 (1374)
EWS S145	10 x 54 (254 x 1371)	18 x 33 (457 x 838)	64 (1625)	20 (508)	50 (1270)	266 (120)	1948 (885)
EWS S160	12 x 52 (304 x 1320)	24 x 50 (610 x 1270)	62 (1574)	27 (686)	60 (1524)	320 (145)	2450 (1113)
EWS S175	13 x 54 (330 x 1371)	24 x 50 (610 x 1270)	64 (1625)	27 (686)	62 (1574)	408 (185)	2500 (1136)
EWS S190	14 x 65 (355 x 1651)	24 x 50 (610 x 1279)	75 (1905)	28 (711)	63 (1600)	450 (205)	2600 (1182)
EWS S1120	16 x 65 (406 x 1651)	24 x 50 (610 x 1279)	75 (1905)	31 (787)	66 (1676)	500 (227)	2650 (1205)
EWS S1150	21 x 62 (533 x 1575)	24 x 50 (610 x 1279)	73 (1854)	36 (914)	71 (1803)	550 (250)	2700 (1227)
EWS S1210	21 x 62 (533 x 1575)	24 x 50 (610 x 1279)	73 (1854)	36 (914)	71 (1803)	600 (273)	2750 (1250)

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 Cubic Ft (Cubic Meters)	Capacity Cubic Ft (Cubic Meters)	Continuous Flow Rate 15 Psi Pressure Drop	Peak Flow Rate		
EWS S130	20,000	20,000	1	1	5	7	2.7	10 (4.5)
	30,000	30,000	(0.028)	(0.028)	(0.315)	(0.44)	(0.170)	15 (6.8)
EWS S145	30,000	30,000	1.5	1.5	8	10	2.7	15 (6.8)
	45,000	45,000	(0.042)	(0.042)	(0.50)	(0.63)	(0.170)	22.5 (10.2)
EWS S160	39,000	39,000	2	2	10	14	3.2	20 (9.1)
	60,000	60,000	(0.056)	(0.056)	(0.63)	(0.88)	(0.20)	30 (13.6)
EWS S175	49,500	49,500	2.5	2.5	12	15	4.2	25 (11.4)
	75,000	75,000	(0.070)	(0.070)	(0.757)	(0.946)	(0.26)	37.5 (17.0)
EWS S190	60,000	60,000	3	3	14	18	5.3	30 (13.6)
	90,000	90,000	(0.084)	(0.084)	(0.88)	(1.14)	(0.33)	45 (20.5)
EWS S1120	79,200	79,200	4	4	18	22	6.5	40 (18.2)
	120,000	120,000	(0.112)	(0.112)	(1.14)	(1.38)	(0.41)	60 (27.3)
EWS S1150	99,000	99,000	5	5	22	25	11	50 (22.7)
	150,000	150,000	(0.140)	(0.140)	(1.38)	(1.57)	(0.69)	75 (34.1)
EWS S1210	138,600	138,600	7	7	25	27	11	70 (31.8)
	210,000	210,000	(0.196)	(0.196)	(1.57)	(1.70)	(0.69)	105 (47.7)

Canada

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