



Series EWS 1.5" Simplex 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.
- ◆ Soft water on demand.
- ◆ 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.
- ◆ 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" 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.)
EWS S1590	14 x 65 (355 x 1651)	24 x 50 (610 x 1270)	75 (1905)	27 (686)	40 (1016)	208 (94)	930 (423)
EWS S15120	16 x 65 (406 x 1651)	24 x 50 (610 x 1270)	77 (1956)	27 (686)	42 (1067)	267 (122)	1274 (579)
EWS S15150	21 x 62 (533 x 1519)	24 x 50 (610 x 1270)	74 (1879)	27 (686)	47 (1194)	477 (217)	1498 (681)
EWS S15180	21 x 62 (533 x 1519)	24 x 50 (610 x 1270)	74 (1879)	27 (686)	47 (1194)	541 (246)	2128 (967)
EWS S15210	21 x 62 (533 x 1519)	24 x 50 (610 x 1270)	74 (1879)	27 (686)	47 (1194)	587 (267)	2183 (992)
EWS S15240	24 x 72 (609 x 1827)	30 x 50 (762 x 1270)	74 (1879)	27 (686)	47 (1194)	637 (290)	2233 (1015)
EWS S15300	24 x 72 (609 x 1827)	30 x 50 (762 x 1270)	74 (1879)	33 (839)	47 (1194)	687 (312)	2283 (1038)

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		BKW GPM (LPS)	Salt Per Regeneration Lbs (kg)
					GPM (LPS)			
					Continuous Flow Rate 15 Psi Pressure Drop	Peak Flow Rate		
EWS S1590	60,000	60,000	3	3	36	44	7	30 (13.6)
	90,000	90,000	(0.085)	(.085)	(2.40)	(2.78)	(0.44)	45 (20.5)
EWS S15120	80,000	80,000	4	4	42	50	10	40 (18.2)
	120,000	120,000	(0.112)	(0.112)	(2.65)	(3.15)	(0.63)	60 (27.3)
EWS S15150	100,000	100,000	5	5	48	56	12	50 (22.7)
	150,000	150,000	(0.141)	(0.141)	(3.02)	(3.53)	(0.76)	75 (34.1)
EWS S15180	120,000	120,000	6	6	52	60	12	60 (27.3)
	180,000	180,000	(0.167)	(0.167)	(3.28)	(3.79)	(0.76)	90 (40.9)
EWS S15210	140,000	140,000	7	7	53	61	12	70 (31.8)
	210,000	210,000	(0.198)	(0.198)	(3.34)	(3.85)	(0.76)	105 (47.7)
EWS S15240	160,000	160,000	8	8	55	63	14	80 (36.4)
	240,000	240,000	(0.23)	(0.23)	(3.47)	(3.85)	(0.88)	120 (54.5)
EWS S15300	200,000	200,000	10	10	58	66	14	90 (40.9)
	300,000	300,000	(0.29)	(0.29)	(3.66)	(4.16)	(0.88)	135 (61.3)

Canada

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