



Series EWS 3" Duplex Commercial Softener

STANDARD FEATURES

- ◆ 3" NPT inlet and outlet lead free brass control valve, c/w Nema 3R enclosure is water resistant
- ◆ Electronic flow meters for each control valve, accuracy plus or minus 5 percent, flow rate 7 to 300 GPM
- ◆ Service flow rates to 250 GPM continuous (15 PSI Pressure Drop), peak flow rates to 325 GPM (25 PSI Pressure Drop)
- ◆ Fully adjustable 5 cycle control valve that controls upflow backwash, downflow brining, slow rinse, rapid rinse, and down flow service
- ◆ Progressive flow, parallel flow, alternating on demand soft water.
- ◆ Five methods to initiate regeneration: meter immediate, meter delayed, time clock delayed, pressure differential, or remote start
- ◆ 3" 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)
- ◆ System designs up to 4 vessels
- ◆ Electronic controller can network up to 4 vessels, field configurable for any flow meter, remote start, remote lockout, variable reserve, flow rate, peak flow rate, totalizer, hours between last two regenerations, hours since last regeneration, adjustable volume remaining, value position programming levels
- ◆ Time of day adjustment
- ◆ Quick programming - adjust hardness, regeneration, time and day override
- ◆ Master programming: configure value type, regeneration type, remote start/lock, US or European time/Volume display, system capacity safety factor, hardness, cycle stop times, flow meter size, auxiliary delay operation
- ◆ 24 volt output AC transformer, 7, 12 day clock or meter initiated
- ◆ Brine tank 30" x 50" and 50" x 60" c/w brine well and safety float. The brine tank has a salt capacity of 1,000 lbs or 4500 lbs
- ◆ Gravel under bedding for improved filtration during regeneration

Excalibur Water EWS 3" 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 SD3600	36 x 72 (914 x 1828)	50 x 60 (1270 x 1524)	93 (2362)	60 (1524)	106 (2692)	212 (5384)	2052 (932)	3977 (1807)
EWS SD3900	42 x 72 (1066 x 1828)	50 x 60 (1270 x 1524)	93 (2362)	66 (1676)	112 (2844)	224 (5689)	3168 (1440)	6211 (2823)
EWS SD31200	48 x 72 (1219 x 1828)	50 x 60 (1270 x 1524)	93 (2362)	72 (1828)	118 (2997)	236 (5994)	3940 (1790)	7880 (3581)

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 SD3600	400,000	800,000	20	40	185	250	35	200 (90)
	600,000	1,200,000	(0.56)	(1.12)	(11.67)	(15.77)	(2.20)	300 (136)
EWS SD3900	600,000	1,200,000	30	60	200	268	45	300 (136)
	900,000	1,800,000	(0.84)	(1.68)	(12.61)	(16.90)	(2.83)	450 (204)
EWS SD31200	800,000	1,600,000	40	80	213	280	60	400 (181)
	1,200,000	2,400,000	(1.12)	(2.24)	(13.43)	(17.66)	(3.78)	600 (272)

Canada

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