



◆ Caustic Soda Injection System included but not shown.

Series EWS 1.0" Duplex Commercial Dealkalizer

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.
- ◆ Parallel flow, alternating on demand treated water.
- ◆ 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 regeneranat 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.
- ◆ Duplex alternating motorized electronic control valve (1").
- ◆ 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.
- ◆ Caustic Soda Injection

Excalibur Water EWS 1" Duplex Series Dealkalizer SPECIFICATIONS

Model	Dealkalizer 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 DD130	9 x 48 (330 x 1371)	18 x 33 (457 x 838)	58 (1473)	20 (508)	48 (1219)	180 (81)	930 (1374)
EWS DD145	10 x 54 (254 x 1371)	18 x 33 (457 x 838)	64 (1625)	20 (508)	50 (1270)	266 (120)	1948 (885)
EWS DD160	12 x 52 (304 x 1320)	24 x 50 (610 x 1270)	62 (1574)	27 (686)	60 (1524)	320 (145)	2450 (1113)
EWS DD175	13 x 54 (330 x 1371)	24 x 50 (610 x 1270)	64 (1625)	27 (686)	62 (1574)	408 (185)	2500 (1136)
EWS DD190	14 x 65 (355 x 1651)	24 x 50 (610 x 1279)	75 (1905)	28 (711)	63 (1600)	450 (205)	2600 (1182)
EWS DD1120	16 x 65 (406 x 1651)	24 x 50 (610 x 1279)	75 (1905)	31 (787)	66 (1676)	500 (227)	2650 (1205)
EWS DD1150	21 x 62 (533 x 1575)	24 x 50 (610 x 1279)	73 (1854)	36 (914)	71 (1803)	550 (250)	2700 (1227)
EWS DD1210	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 Salt @ 5 lbs, .25 lbs of caustic soda Per Cubic Ft Per Vessel	Total Grains Capacity Salt @ 5 lbs, .25 lbs of caustic soda Per Cubic Ft	Anion Resin Volume Per Vessel Cubic Ft (Cubic Meters)	Total Anion 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 DD130	20,000	40,000	1 (0.028)	2 (0.056)	5 (0.315)	7 (0.44)	2.7 (0.170)	10 (4.5) 15 (6.8)
EWS DD145	30,000	60,000	1.5 (0.042)	3 (0.084)	8 (0.50)	10 (0.63)	2.7 (0.170)	15 (6.8) 22.5 (10.2)
EWS DD160	40,000	80,000	2 (0.056)	4 (0.112)	10 (0.63)	14 (0.88)	3.2 (0.20)	20 (9.1) 30 (13.6)
EWS DD175	50,000	100,000	2.5 (0.070)	5 (0.140)	12 (0.757)	15 (0.946)	4.2 (0.26)	25 (11.4) 37.5 (17.0)
EWS DD190	60,000	120,000	3 (0.084)	6 (0.168)	14 (0.88)	18 (1.14)	5.3 (0.33)	30 (13.6) 45 (20.5)
EWS DD1120	80,000	160,000	4 (0.112)	8 (0.22)	18 (1.14)	22 (1.38)	6.5 (0.41)	40 (18.2) 60 (27.3)
EWS DD1150	100,000	200,000	5 (0.140)	10 (0.280)	22 (1.38)	25 (1.57)	11 (0.69)	50 (22.7) 75 (34.1)
EWS DD1210	140,000	280,000	7 (0.196)	14 (0.392)	25 (1.57)	27 (1.70)	11 (0.69)	70 (31.8) 105 (47.7)

Canada

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