



◆ Caustic Soda Injection System included but not shown.

## Series EWS 1.0" Simplex 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.
- ◆ 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.
- ◆ Caustic Soda Injection

# Excalibur Water EWS 1" Simplex 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 D130	9 x 48 (330 x 1371)	18 x 33 (457 x 838)	58 (1473)	20 (508)	48 (1219)	180 (81)	930 (1374)
EWS D145	10 x 54 (254 x 1371)	18 x 33 (457 x 838)	64 (1625)	20 (508)	50 (1270)	266 (120)	1948 (885)
EWS D160	12 x 52 (304 x 1320)	24 x 50 (610 x 1270)	62 (1574)	27 (686)	60 (1524)	320 (145)	2450 (1113)
EWS D175	13 x 54 (330 x 1371)	24 x 50 (610 x 1270)	64 (1625)	27 (686)	62 (1574)	408 (185)	2500 (1136)
EWS D190	14 x 65 (355 x 1651)	24 x 50 (610 x 1279)	75 (1905)	28 (711)	63 (1600)	450 (205)	2600 (1182)
EWS D1120	16 x 65 (406 x 1651)	24 x 50 (610 x 1279)	75 (1905)	31 (787)	66 (1676)	500 (227)	2650 (1205)
EWS D1150	21 x 62 (533 x 1575)	24 x 50 (610 x 1279)	73 (1854)	36 (914)	71 (1803)	550 (250)	2700 (1227)
EWS D1210	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 D130	20,000	20,000	1 (0.028)	1 (0.028)	5 (0.315)	7 (0.44)	2.7 (0.170)	10 (4.5) 15 (6.8)
EWS D145	30,000	30,000	1.5 (0.042)	1.5 (0.042)	8 (0.50)	10 (0.63)	2.7 (0.170)	15 (6.8) 22.5 (10.2)
EWS D160	40,000	40,000	2 (0.056)	2 (0.056)	10 (0.63)	14 (0.88)	3.2 (0.20)	20 (9.1) 30 (13.6)
EWS D175	50,000	50,000	2.5 (0.070)	2.5 (0.070)	12 (0.757)	15 (0.946)	4.2 (0.26)	25 (11.4) 37.5 (17.0)
EWS D190	60,000	60,000	3 (0.084)	3 (0.168)	14 (0.88)	18 (1.14)	5.3 (0.33)	30 (13.6) 45 (20.5)
EWS D1120	80,000	80,000	4 (0.112)	4 (0.112)	18 (1.14)	22 (1.38)	6.5 (0.41)	40 (18.2) 60 (27.3)
EWS D1150	100,000	100,000	5 (0.140)	5 (0.140)	22 (1.38)	25 (1.57)	11 (0.69)	50 (22.7) 75 (34.1)
EWS D1210	140,000	140,000	7 (0.196)	7 (0.196)	25 (1.57)	27 (1.70)	11 (0.69)	70 (31.8) 105 (47.7)

## Canada

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