



◆ Caustic Soda Injection System included but not shown.

Series EWS 2" H Duplex Commercial Dealkalizer

STANDARD FEATURES

- ◆ 2" NPT inlet or outlet / 2 1/2" Victaulic lead free brass epoxy coated control valve.
- ◆ Electronic flow meters for each control valve accuracy plus or minus 5 percent, flow rate range 1.5 – 125 gpm, gallon range 10 – 999,000 and totalizer 1,000 – 999,999,000 gallons.
- ◆ Service flow rates to 125 gpm, peak flow rates to 150 gpm, backwash flow rates to 125 gpm.
- ◆ Fully programmable and adjustable 9 cycle control valve that control backwash, slow/fast rinse, draw, refill, 2nd backwash and service, up to 9 cycles.
- ◆ Progressive flow, parallel flow, alternating on demand treated water.
- ◆ System designs up to 4 vessels.
- ◆ Cycles of operation – Cycle One backwash 1 – 95 minutes or off, Cycle Two brine draw 1 – 180 minutes or off, Cycle Three slow rinse 1 – 95 minutes or off, Cycle Four fast rinse 1 – 95 minutes or off, Cycle Five refill 0.1 – 99 minutes or off, Cycle Six hold (service) 1 – 480 minutes or off, three additional cycles for second backwash, slow rinse, fast rinse.
- ◆ Four methods to initiate regeneration, meter immediate, meter delayed, time clock delayed or pressure differential.
- ◆ 2" 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).
- ◆ Solid state microprocessor c/w removal front panel, digital display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (totalizer). All 9 cycles are adjustable in second level diagnostics for desired flow rates in each cycle.
- ◆ Double backwash for optimum regeneration cleaning ability and salt efficiency.
- ◆ 24 volt output AC transformer, 12 or 24 hour time clock.
- ◆ Duplex alternating motorized electronic control valve (2").
- ◆ 1 – 28 day override on control valve program.
- ◆ Brine tank 30" x 50" and 50" x 60" c/w brine well and safety float. The brine tank has salt capacity of 1,000 lbs and 4,500 lbs.
- ◆ 2" inlet and outlet motorized bypass valve.
- ◆ Caustic Soda Injection

Excalibur Water EWS 2" H Duplex Series Dealkalizer SPECIFICATIONS

Model	Dealkalizer 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 DD2H300	24 x 72 (610 x 1829)	30 x 50 (762 x 1290)	93 (2362)	37 (940)	72 (1828)	144 (3556)	960 (423)	1920 (864)
EWS DD2H450	30 x 72 (762 x 1828)	30 x 50 (762 x 1290)	93 (2362)	37 (940)	78 (1981)	156 (3962)	1310 (580)	2620 (1160)
EWS DD2H600	36 x 72 (914 x 1828)	50 x 60 (1270 x 1524)	93 (2362)	60 (1524)	106 (2692)	212 (5384)	1867 (840)	3734 (1680)
EWS DD2H900	42 x 72 (1066 x 1828)	50 x 60 (1270 x 1524)	93 (2362)	66 (1676)	112 (2844)	224 (5689)	3060 (1377)	6120 (2754)
EWS DD2H1200	48 x 72 (1219 x 1828)	50 x 60 (1270 x 1524)	93 (2362)	72 (1828)	118 (2997)	236 (5994)	3865 (1739)	7730 (3478)

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 DD2H300	200,000	400,000	10 (0.28)	20 (.56)	80 (5.05)	100 (6.31)	15 (0.94)	60 (27) 150 (68)
EWS DD2H450	300,000	600,000	15 (0.42)	30 (0.84)	90 (5.68)	110 (6.94)	25 (1.57)	90 (41) 225 (102)
EWS DD2H600	400,000	800,000	20 (0.56)	40 (1.12)	98 (6.18)	115 (7.26)	35 (2.20)	120 (54) 300 (136)
EWS DD2H900	600,000	1,200,000	30 (0.84)	60 (1.68)	107 (6.75)	125 (7.89)	48 (3.02)	180 (82) 450 (204)
EWS DD2H1200	800,000	1,600,000	40 (1.12)	80 (2.24)	120 (7.57)	140 (8.83)	63 (3.97)	240 (109) 600 (272)

Canada

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