



# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

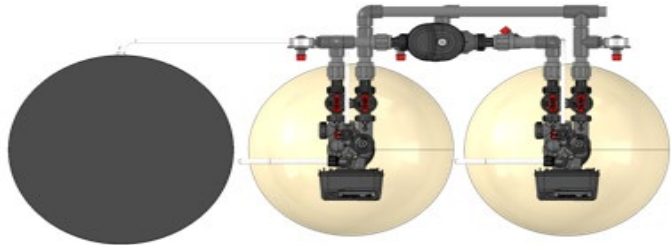
### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SD1210**

**Water Softener 1.0" Duplex Alternating 210,000 Capacity**

**Water Softener Operating Parameters**

Minimum Flow Rate, gpm	: 4.8
Critical Flow Rate, gpm	: 19.0
Service Flow Rate, gpm	: 27.0
Flow Rate 15psi ΔP, gpm	: 22.0
Flow Rate 25psi ΔP, gpm	: 27.0
Backwash Flow Rate, gpm	: 11.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 210.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 189.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 140.0
Capacity Max System, kgr	: 420.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 105.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 70.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 42.0
Resin Qty, ft <sup>3</sup>	: 7.0
#20 Gravel Qty, lbs	: 50.0
1/4"X1/8" Gravel Qty, lbs	: 100.0
Distributor Size, in	: 1.05
Drain Line Size, in	: 1.0
Brine Line Size, in	: 0.5

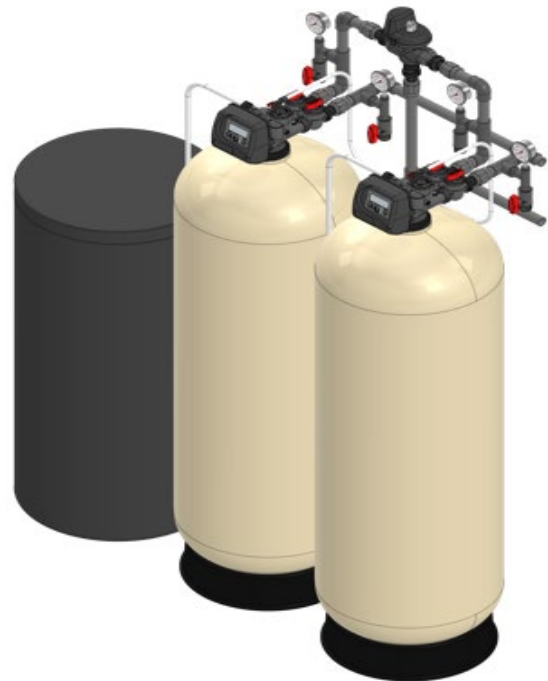


**Miscellaneous Design Data**

Mineral Tank Size, in.	: 21x62
Freeboard, in.	: 17.0
Bed Depth, in	: 34.9
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Total Regeneration Time, min.	: 125
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 1,075
Operating Weight, lbs.	: 3,300
Space Req'd in, L x W x H	: 73x30x87

**Electrical Specifications**

Supply Voltage	: 120VAC
Supply Frequency	: 60 Hz
Output Voltage	: 15VDC
Output Current:	: 500 mA



*\* Pipe and fittings shown not in scope*

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