



# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

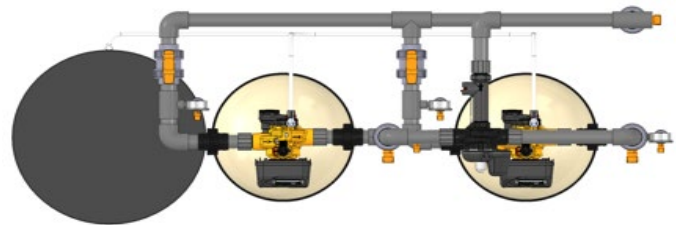
### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SD15120**

**Water Softener 1.5" Duplex Alternating 120,000 Capacity**

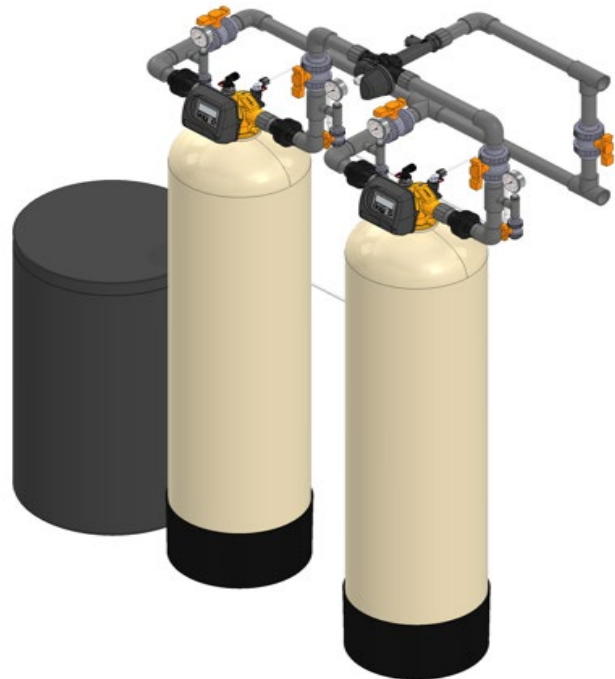
**Water Softener Operating Parameters**

Minimum Flow Rate, gpm	: 2.8
Critical Flow Rate, gpm	: 11.0
Service Flow Rate, gpm	: 17.0
Flow Rate 15psi ΔP, gpm	: 36.0
Flow Rate 25psi ΔP, gpm	: 50.0
Backwash Flow Rate, gpm	: 6.5
Capacity @15lbs/ft <sup>3</sup> , kgr	: 120.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 108.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 80.0
Capacity Max System, kgr	: 240.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 60.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 40.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 24.0
Resin Qty, ft <sup>3</sup>	: 4.0
#20 Gravel Qty, lbs	: 75.0
Distributor Size, in	: 1.5
Drain Line Size, in	: 0.75
Brine Line Size, in	: 0.5



**Miscellaneous Design Data**

Mineral Tank Size, in.	: 16x65
Freeboard, in.	: 20.0
Bed Depth, in	: 34.4
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Total Regeneration Time, min.	: 106
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 900
Operating Weight, lbs.	: 2,450
Space Req'd in, L x W x H	: 79x29x94



*\* Pipe and fittings shown not in scope*

**Electrical Specifications**

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