



# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS S1150**

**Water Softener 1.0" Simplex 150,000 Capacity**

#### Water Softener Operating Parameters

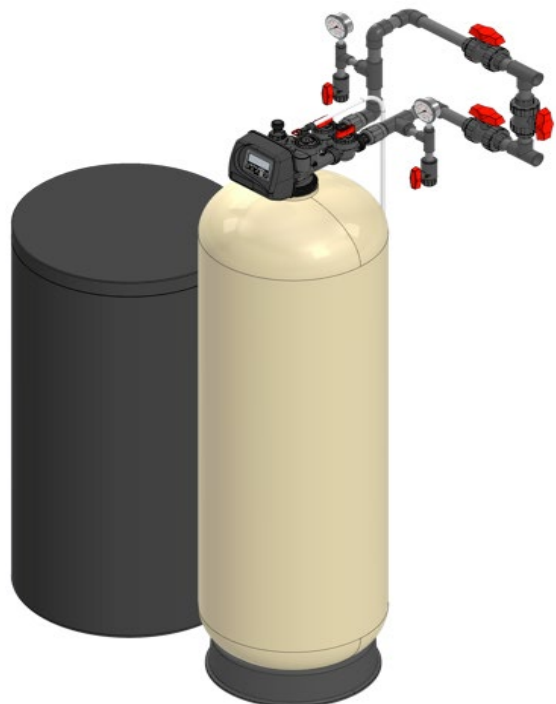
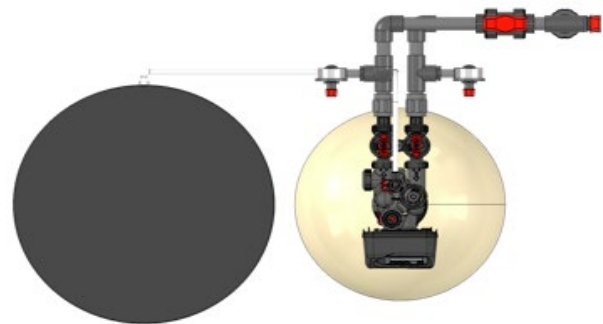
Minimum Flow Rate, gpm	: 3.5
Critical Flow Rate, gpm	: 14.0
Service Flow Rate, gpm	: 21.0
Flow Rate 15psi ΔP, gpm	: 22.0
Flow Rate 25psi ΔP, gpm	: 27.0
Backwash Flow Rate, gpm	: 9.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 150.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 135.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 100.0
Capacity Max System, kgr	: 150.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 75.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 50.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 30.0
Resin Qty, ft <sup>3</sup>	: 5.0
#20 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.	: 18x65
Freeboard, in.	: 22.0
Bed Depth, in	: 33.9
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Total Regeneration Time, min.	: 113
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 515
Operating Weight, lbs.	: 2,000
Space Req'd in, L x W x H	: 52x32x84

#### Electrical Specifications

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



*\* Pipe and fittings shown not in scope*