



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS S175
Water Softener 1.0" Simplex 75,000 Capacity

Water Softener Operating Parameters

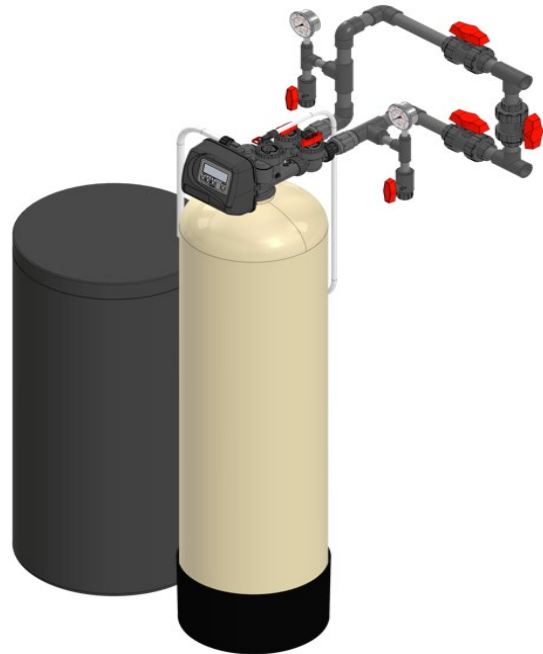
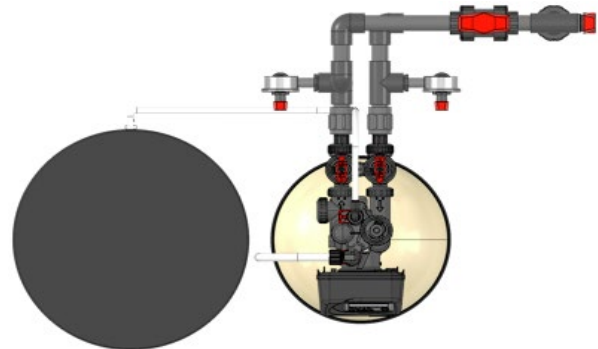
Minimum Flow Rate, gpm	: 1.8
Critical Flow Rate, gpm	: 7.5
Service Flow Rate, gpm	: 11.0
Flow Rate 15psi ΔP, gpm	: 19.0
Flow Rate 25psi ΔP, gpm	: 25.0
Backwash Flow Rate, gpm	: 4.2
Capacity @15lbs/ft ³ , kgr	: 75.0
Capacity @10lbs/ft ³ , kgr	: 67.5
Capacity @6lbs/ft ³ , kgr	: 50.0
Capacity Max System, kgr	: 75.0
Salt Usage @ 15lbs/ft ³ , lbs	: 37.5
Salt Usage @ 10lbs/ft ³ , lbs	: 25.0
Salt Usage @ 6lbs/ft ³ , lbs	: 15.0
Resin Qty, ft ³	: 2.5
#20 Gravel Qty, lbs	: 35.0
Distributor Size, in	: 1.05
Drain Line Size, in	: 0.75
Brine Line Size, in	: 0.375

Miscellaneous Design Data

Mineral Tank Size, in.	: 13x54
Freeboard, in.	: 14.0
Bed Depth, in	: 32.5
Brine Tank Size, in.	: 18x40
Max. Salt Load, lbs.	: 450 (Dry)
Total Regeneration Time, min.	: 97
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 225
Operating Weight, lbs.	: 905
Space Req'd in, L x W x H	: 44x29x70

Electrical Specifications

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



** Pipe and fittings shown not in scope*