



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

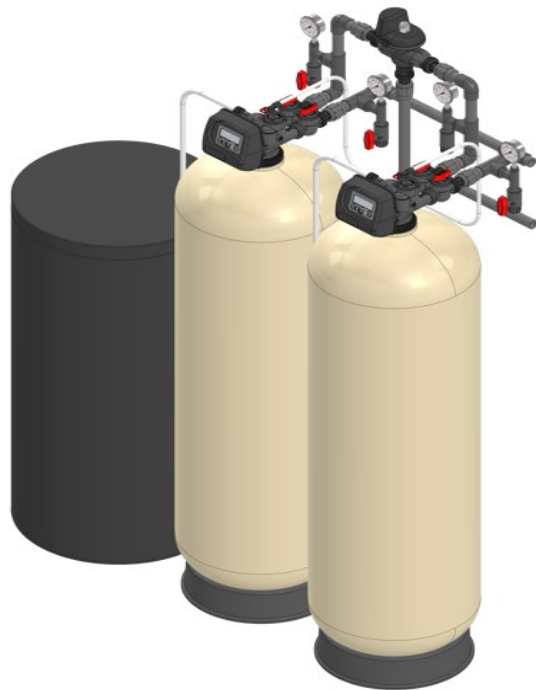
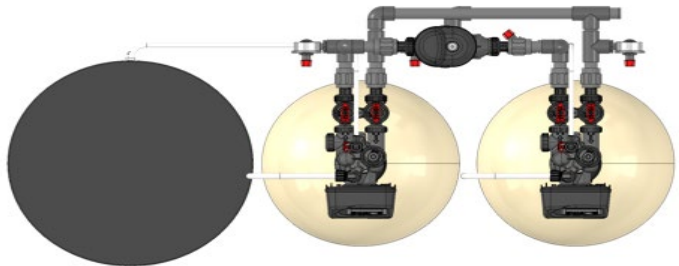
SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SD125180

Water Softener 1.25" Duplex Alternating 180,000 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	: 26.0
Flow Rate 25psi ΔP, gpm	: 34.0
Backwash Flow Rate, gpm	: 9.0
Capacity @15lbs/ft ³ , kgr	: 180.0
Capacity @10lbs/ft ³ , kgr	: 162.0
Capacity @6lbs/ft ³ , kgr	: 120.0
Capacity Max System, kgr	: 360.0
Salt Usage @ 15lbs/ft ³ , lbs	: 90.0
Salt Usage @ 10lbs/ft ³ , lbs	: 60.0
Salt Usage @ 6lbs/ft ³ , lbs	: 36.0
Resin Qty, ft ³	: 6.0
#20 Gravel Qty, lbs	: 100.0
Distributor Size, in	: 1.32
Drain Line Size, in	: 1.0
Brine Line Size, in	: 0.5



Miscellaneous Design Data

Mineral Tank Size, in.	: 18x65
Freeboard, in.	: 15.2
Bed Depth, in	: 40.7
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Total Regeneration Time, min.	: 120
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 975
Operating Weight, lbs.	: 2,700
Space Req'd in, L x W x H	: 69x30x87

Electrical Specifications

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

** Pipe and fittings shown not in scope*