

EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SD1120

Water Softener 1.0" Duplex Alternating 120,000 Capacity

Water Softener Operating Parameters

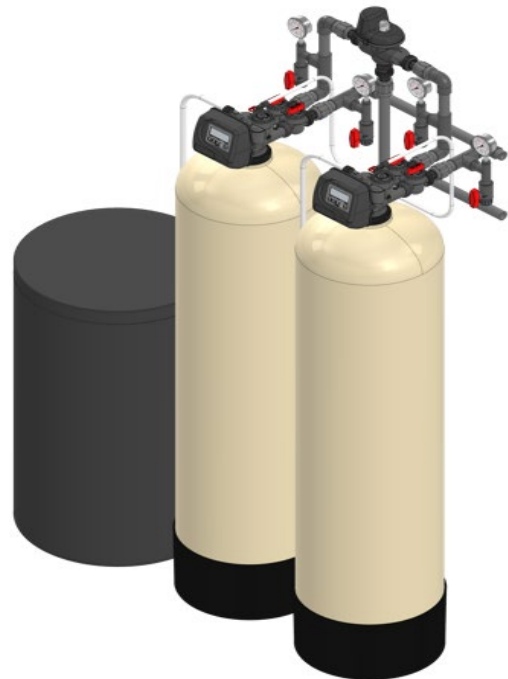
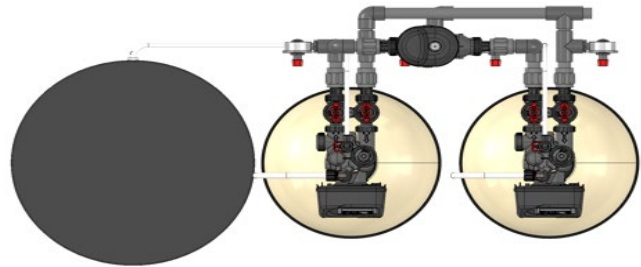
Minimum Flow Rate, gpm	: 2.8
Critical Flow Rate, gpm	: 11.0
Service Flow Rate, gpm	: 17.0
Flow Rate 15psi ΔP, gpm	: 20.0
Flow Rate 25psi ΔP, gpm	: 27.0
Backwash Flow Rate, gpm	: 6.5
Capacity @15lbs/ft ³ , kgr	: 120.0
Capacity @10lbs/ft ³ , kgr	: 108.0
Capacity @6lbs/ft ³ , kgr	: 80.0
Capacity Max System, kgr	: 240.0
Salt Usage @ 15lbs/ft ³ , lbs	: 60.0
Salt Usage @ 10lbs/ft ³ , lbs	: 40.0
Salt Usage @ 6lbs/ft ³ , lbs	: 24.0
Resin Qty, ft ³	: 4.0
#20 Gravel Qty, lbs	: 75.0
Distributor Size, in	: 1.05
Drain Line Size, in	: 0.75
Brine Line Size, in	: 0.375

Miscellaneous Design Data

Mineral Tank Size, in.	: 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.	: 650
Operating Weight, lbs.	: 2,200
Space Req'd in, L x W x H	: 66x30x89

Electrical Specifications

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



** Pipe and fittings shown not in scope*