EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

Quality through innovation

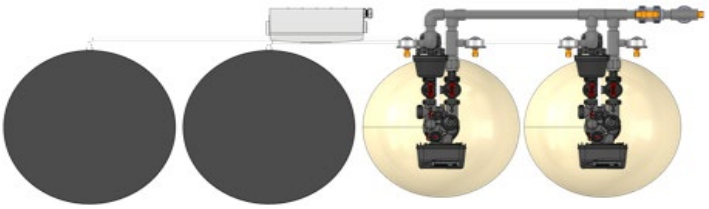
SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC1252210

Water Softener 1.25" Duplex Progressive 210,000 Capacity

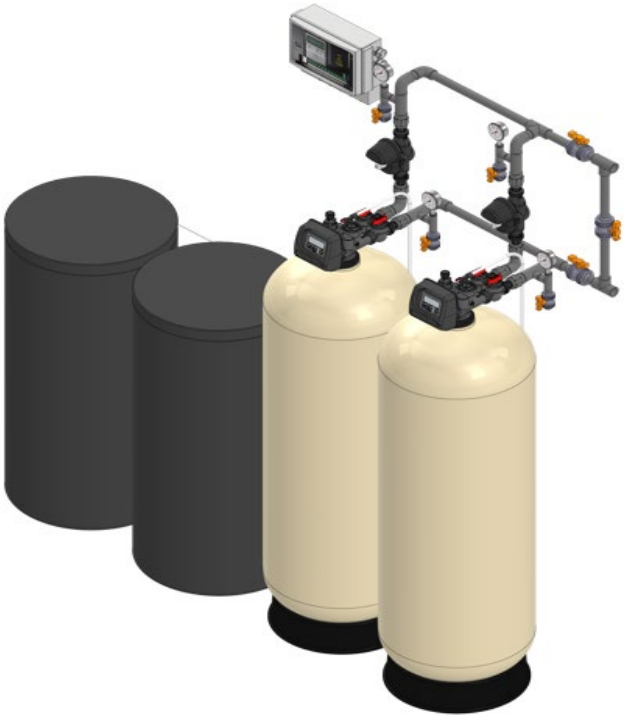
Water Softener Operating Parameters

Minimum Flow Rate, gpm	: 4.8
Critical Flow (Progressive), gpm	: 19.0 (38.0)
Service Flow (Progressive), gpm	: 29.0 (58.0)
Flow (Progressive) 15psi ΔP, gpm	: 27.0 (54.0)
Flow (Progressive) 25psi ΔP, gpm	: 34.0 (68.0)
Backwash Flow Rate, gpm	: 11.0
Capacity @15lbs/ft^3, kgr	: 210.0
Capacity @10lbs/ft^3, kgr	: 189.0
Capacity @6lbs/ft^3, kgr	: 140.0
Salt Usage @15lbs/ft³, lbs	: 105.0
Salt Usage @10lbs/ft³, lbs	: 70.0
Salt Usage @6lbs/ft³, lbs	: 42.0
Capacity Max System, kgr	: 420.0
Resin Qty, ft³	: 7.0
#20 Gravel Qty, lbs	: 50.0
1/4"X1/8" 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.	: 21x62
Freeboard, in.	: 17.0
Bed Depth, in	: 34.9
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Regeneration/Vessel Time, min.	: 125
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 1,275
Operating Weight, lbs.	: 4,500
Space Req'd in, L x W x H	: 97x31x95



Electrical Specifications

Supply Voltage	: 120VAC
Supply Frequency	: 60 Hz
Output Voltage Nominal	: 12VAC
Output Current (max per valve)	: 0.5A

**** Pipe and fittings shown not in scope***