EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

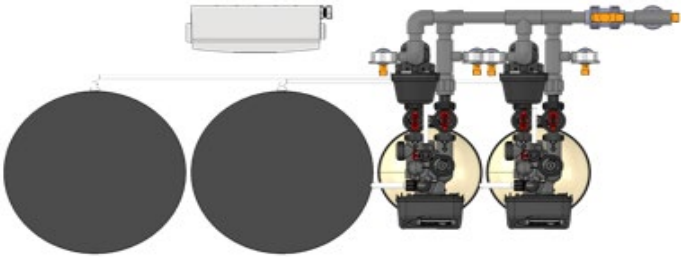
SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC125245

Water Softener 1.25" Duplex Progressive 45,000 Capacity

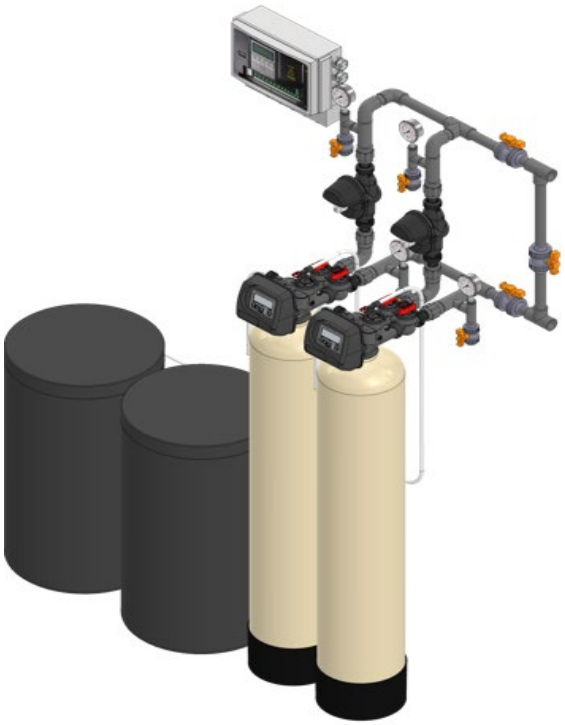
Water Softener Operating Parameters

Minimum Flow Rate, gpm	: 1.1
Critical Flow (Progressive), gpm	: 4.5 (9.0)
Service Flow (Progressive), gpm	: 6.5 (13.0)
Flow (Progressive) 15psi ΔP, gpm	: 19.0 (38.0)
Flow (Progressive) 25psi ΔP, gpm	: 28.0 (56.0)
Backwash Flow Rate, gpm	: 2.7
Capacity @15lbs/ft^3, kgr	: 45.0
Capacity @10lbs/ft^3, kgr	: 40.5
Capacity @6lbs/ft^3, kgr	: 30.0
Salt Usage @15lbs/ft³, lbs	: 22.5
Salt Usage @10lbs/ft³, lbs	: 15.0
Salt Usage @6lbs/ft³, lbs	: 9.0
Capacity Max System, kgr	: 90.0
Resin Qty, ft³	: 1.5
#20 Gravel Qty, lbs	: 16.0
Distributor Size, in	: 1.32
Drain Line Size , in	: 0.75
Brine Line Size , in	: 0.375



Miscellaneous Design Data

Mineral Tank Size, in.	: 10x54
Freeboard, in.	: 14.6
Bed Depth, in	: 33.0
Brine Tank Size, in.	: 18x33
Max. Salt Load, lbs.	: 350 (Dry)
Regeneration/Vessel Time, min.	: 90
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 300
Operating Weight, lbs.	: 1,250
Space Req'd in, L x W x H	: 68x28x82



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***