EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

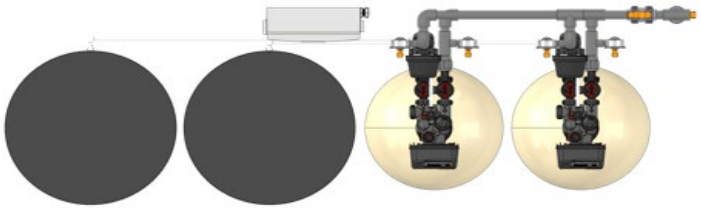
SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC1252150

Water Softener 1.25" Duplex Progressive 150,000 Capacity

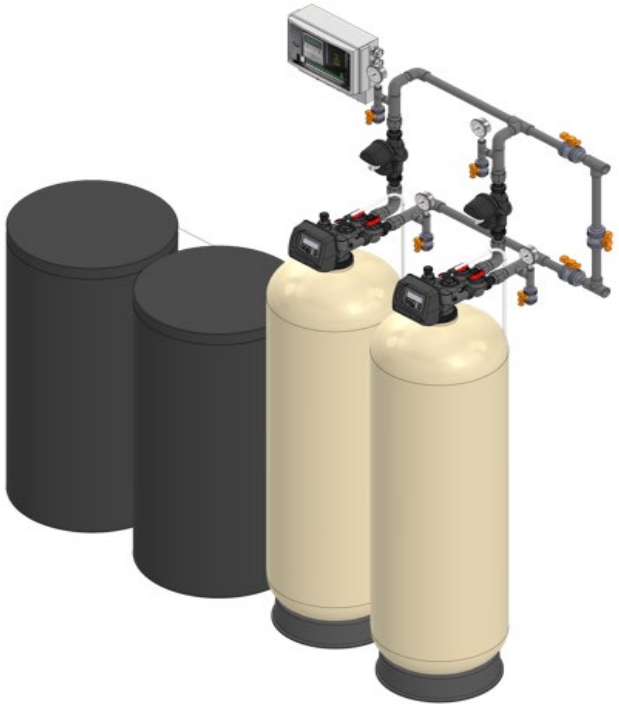
Water Softener Operating Parameters

Minimum Flow Rate, gpm	: 3.5
Critical Flow (Progressive), gpm	: 14.0 (28.0)
Service Flow (Progressive), gpm	: 21.0 (42.0)
Flow (Progressive) 15psi ΔP, gpm	: 27.0 (54.0)
Flow (Progressive) 25psi ΔP, gpm	: 34.0 (68.0)
Backwash Flow Rate, gpm	: 9.0
Capacity @15lbs/ft^3, kgr	: 150.0
Capacity @10lbs/ft^3, kgr	: 135.0
Capacity @6lbs/ft^3, kgr	: 100.0
Salt Usage @15lbs/ft³, lbs	: 75.0
Salt Usage @10lbs/ft³, lbs	: 50.0
Salt Usage @6lbs/ft³, lbs	: 30.0
Capacity Max System, kgr	: 300.0
Resin Qty, ft³	: 5.0
#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.	: 22.0
Bed Depth, in	: 33.9
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Regeneration/Vessel Time, min.	: 113
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 1,025
Operating Weight, lbs.	: 4,075
Space Req'd in, L x W x H	: 96x31x96



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***