EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

Quality through innovation

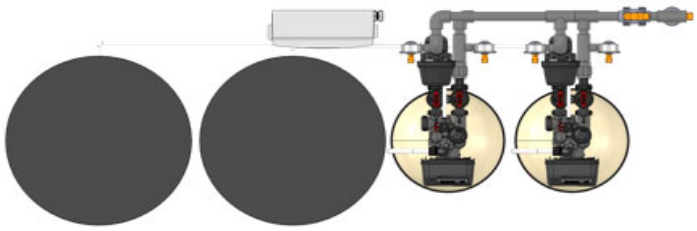
SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC125290

Water Softener 1.25" Duplex Progressive 90,000 Capacity

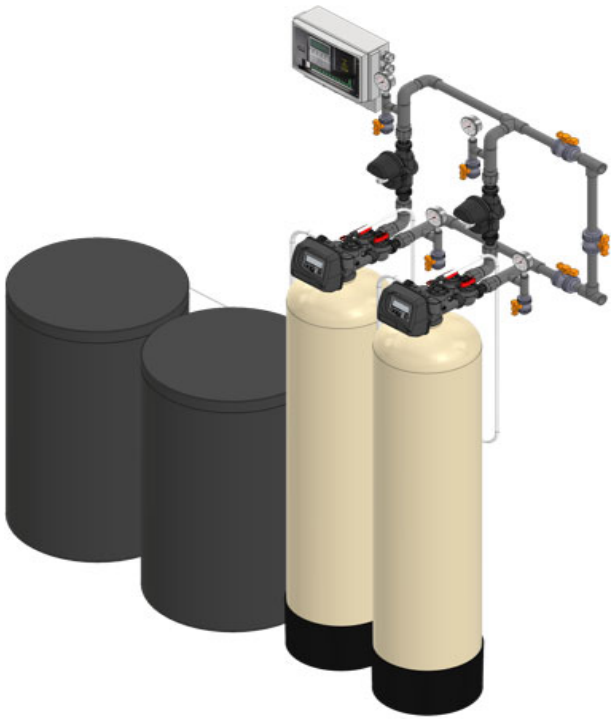
Water Softener Operating Parameters

Minimum Flow Rate, gpm	: 2.1
Critical Flow (Progressive), gpm	: 8.5 (17.0)
Service Flow (Progressive), gpm	: 13.0 (26.0)
Flow (Progressive) 15psi ΔP, gpm	: 24.0 (48.0)
Flow (Progressive) 25psi ΔP, gpm	: 33.0 (66.0)
Backwash Flow Rate, gpm	: 5.3
Capacity @15lbs/ft^3, kgr	: 90.0
Capacity @10lbs/ft^3, kgr	: 81.5
Capacity @6lbs/ft^3, kgr	: 60.0
Salt Usage @15lbs/ft³, lbs	: 45.0
Salt Usage @10lbs/ft³, lbs	: 30.0
Salt Usage @6lbs/ft³, lbs	: 18.0
Capacity Max System, kgr	: 180.0
Resin Qty, ft³	: 3.0
#20 Gravel Qty, lbs	: 45.0
Distributor Size, in	: 1.32
Drain Line Size , in	: 0.75
Brine Line Size , in	: 0.375



Miscellaneous Design Data

Mineral Tank Size, in.	: 14x65
Freeboard, in.	: 24.0
Bed Depth, in	: 33.6
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Regeneration/Vessel Time, min.	: 100
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 585
Operating Weight, lbs.	: 2,635
Space Req'd in, L x W x H	: 88x30x94



** Pipe and fittings shown not in scope*

Electrical Specifications

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