EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

Quality through innovation

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC125575

Water Softener 1.25" Fiveplex Progressive 75,000 Capacity

Water Softener Operating Parameters

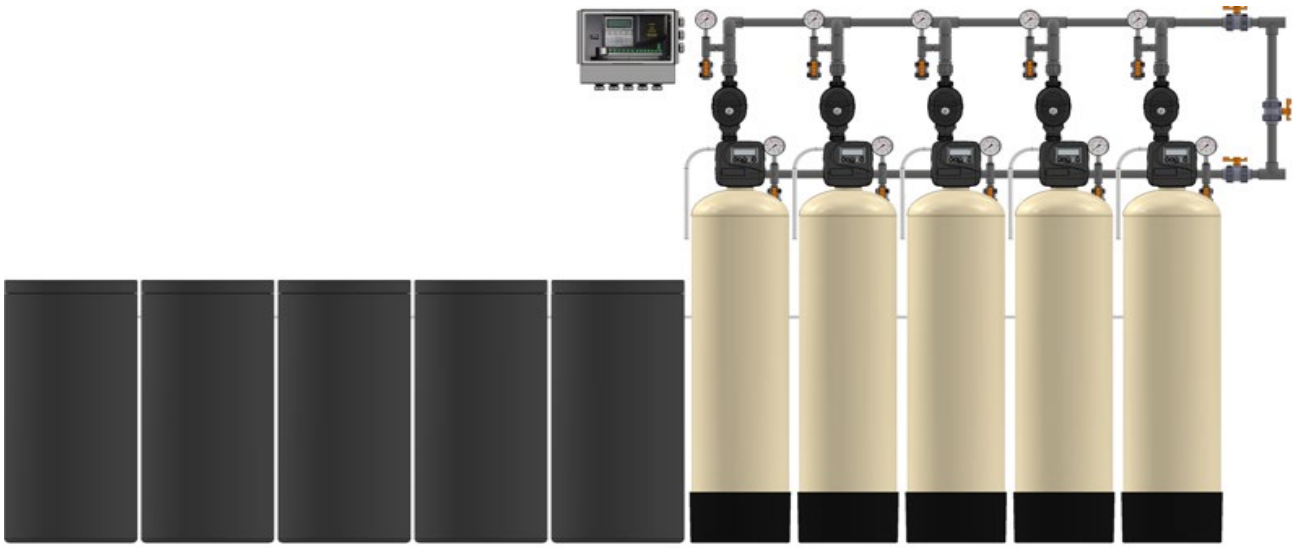
Minimum Flow Rate, gpm	: 1.8
Critical Flow (Progressive), gpm	: 7.5 (37.5)
Service Flow (Progressive), gpm	: 11.0 (55.0)
Flow (Progressive) 15psi ΔP, gpm	: 24.0 (120.0)
Flow (Progressive) 25psi ΔP, gpm	: 32.0 (160.0)
Backwash Flow Rate, gpm	: 4.2
Capacity @15lbs/ft^3, kgr	: 75.0
Capacity @10lbs/ft^3, kgr	: 67.5
Capacity @6lbs/ft^3, kgr	: 50.0
Salt Usage @15lbs/ft³, lbs	: 37.5
Salt Usage @10lbs/ft³, lbs	: 25.0
Salt Usage @6lbs/ft³, lbs	: 15.0
Capacity Max System, kgr	: 375.0
Resin Qty, ft³	: 2.5
#20 Gravel Qty, lbs	: 35.0
Distributor Size, in	: 1.32
Drain Line Size , in	: 0.75
Brine Line Size , in	: 0.375

Miscellaneous Design Data

Mineral Tank Size, in.	: 13x54
Freeboard, in.	: 14.0
Bed Depth, in	: 32.5
Brine Tank Size, in.	: 18x40
Max. Salt Load, lbs.	: 450 (Dry)
Regeneration/Vessel Time, min.	: 97
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 1,125
Operating Weight, lbs.	: 4,500
Space Req'd in, L x W x H	: 178x28x82

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