EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

Quality through innovation

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC1254120

Water Softener 1.25" Quadplex Progressive 120,000 Capacity

Water Softener Operating Parameters

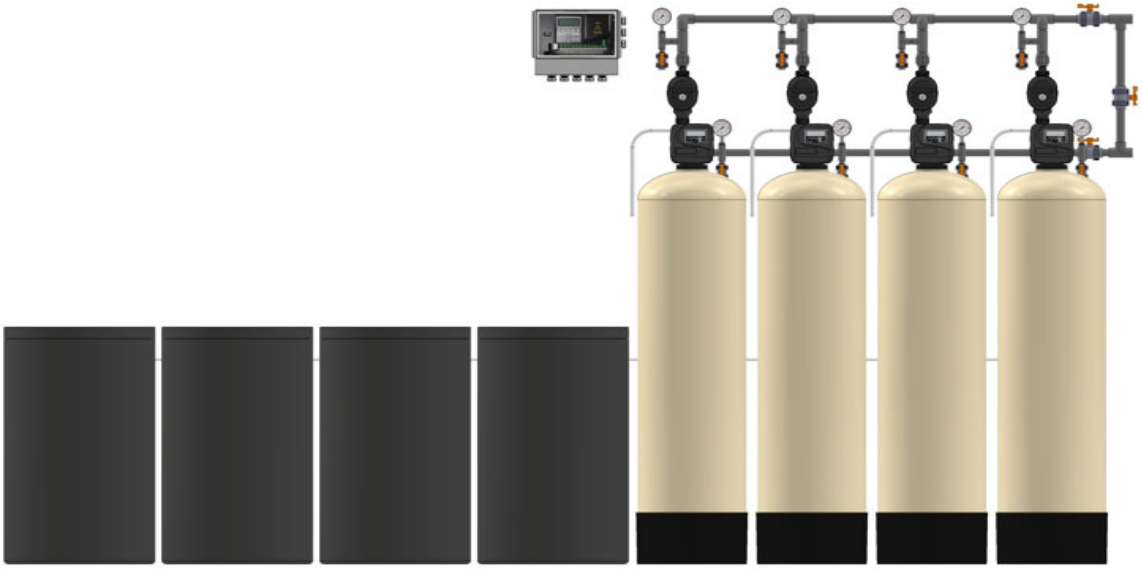
Minimum Flow Rate, gpm	: 2.8
Critical Flow (Progressive), gpm	: 11.0 (44.0)
Service Flow (Progressive), gpm	: 17.0 (68.0)
Flow (Progressive) 15psi ΔP, gpm	: 25.0 (100.0)
Flow (Progressive) 25psi ΔP, gpm	: 34.0 (136.0)
Backwash Flow Rate, gpm	: 6.5
Capacity @15lbs/ft^3, kgr	: 120.0
Capacity @10lbs/ft^3, kgr	: 108.0
Capacity @6lbs/ft^3, kgr	: 80.0
Salt Usage @15lbs/ft³, lbs	: 60.0
Salt Usage @10lbs/ft³, lbs	: 40.0
Salt Usage @6lbs/ft³, lbs	: 24.0
Capacity Max System, kgr	: 480.0
Resin Qty, ft³	: 4.0
#20 Gravel Qty, lbs	: 75.0
Distributor Size, in	: 1.32
Drain Line Size , in	: 0.75
Brine Line Size , in	: 0.375

Miscellaneous Design Data

Mineral Tank Size, in.	: 16x65
Freeboard, in.	: 20.0
Bed Depth, in	: 34.4
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Regeneration/Vessel Time, min.	: 106
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 1,550
Operating Weight, lbs.	: 6,000
Space Req'd in, L x W x H	: 179x30x97

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