



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC34450

Water Softener 3.0" Quadplex Progressive 450,000 Capacity

Water Softener Operating Parameters

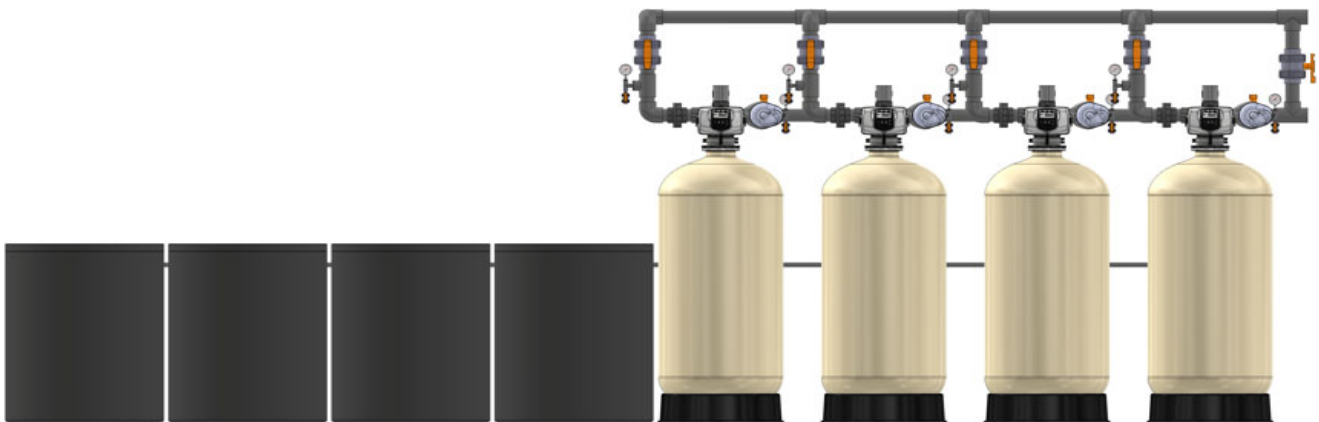
Minimum Flow Rate, gpm	: 9.8
Critical Flow (Progressive), gpm	: 40.0 (160.0)
Service Flow (Progressive), gpm	: 60.0 (240.0)
Flow (Progressive) 15psi ΔP, gpm	: 144.0 (576.0)
Flow (Progressive) 25psi ΔP, gpm	: 186.0 (744.0)
Backwash Flow Rate, gpm	: 25.0
Capacity @15lbs/ft ³ , kgr	: 450.0
Capacity @10lbs/ft ³ , kgr	: 405.0
Capacity @6lbs/ft ³ , kgr	: 300.0
Salt Usage @ 15lbs/ft ³ , lbs	: 450.0
Salt Usage @ 10lbs/ft ³ , lbs	: 225.0
Salt Usage @ 6lbs/ft ³ , lbs	: 150.0
Capacity Max System, kgr	: 1,800.0
Resin Qty, ft ³	: 15.0
#20 Gravel Qty, lbs	: 100.0
1/4"X1/8" Gravel Qty, lbs	: 250.0
Distributor Size, in	: 3.0
Drain Line Size, in	: 3.0
Brine Line Size, in	: 1.0

Miscellaneous Design Data

Mineral Tank Size, in.	: 30x72
Freeboard, in.	: 21.3
Bed Depth, in	: 36.7
Brine Tank Size, in.	: 39x48
Max. Salt Load, lbs.	: 2,200 (Dry)
Total Regeneration Time, min.	: 125
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 6,940
Operating Weight, lbs.	: 22,600
Space Req'd in, L x W x H	: 319x67x109

Electrical Specifications

Supply Voltage	: 120VAC
Supply Frequency	: 60 Hz
Output Voltage	: 24VDC
Output Current:	: 800 mA



** Pipe and fittings shown not in scope*