



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC2HF4150

Water Softener 2.0"HF Quadplex Progressive 150,000 Capacity

Water Softener Operating Parameters

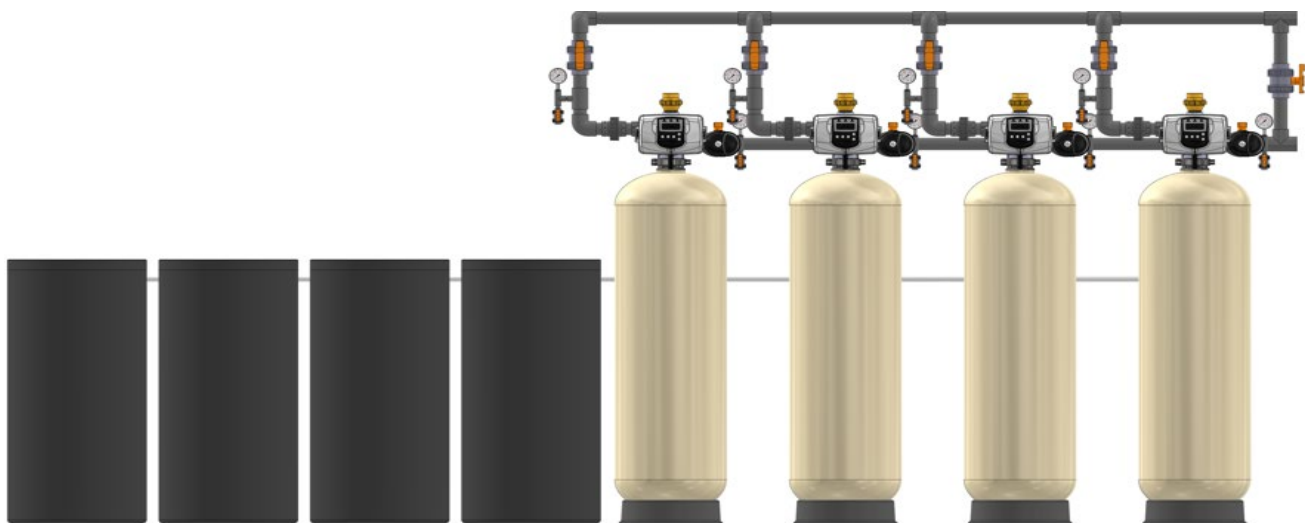
Minimum Flow Rate, gpm	: 3.5
Critical Flow (Progressive), gpm	: 14.0 (56.0)
Service Flow (Progressive), gpm	: 21.0 (84.0)
Flow (Progressive) 15psi ΔP, gpm	: 54.0 (216.0)
Flow (Progressive) 25psi ΔP, gpm	: 70.0 (280.0)
Backwash Flow Rate, gpm	: 9.0
Capacity @15lbs/ft ³ , kgr	: 150.0
Capacity @10lbs/ft ³ , kgr	: 135.0
Capacity @6lbs/ft ³ , kgr	: 100.0
Salt Usage @ 15lbs/ft ³ , lbs	: 75.0
Salt Usage @ 10lbs/ft ³ , lbs	: 50.0
Salt Usage @ 6lbs/ft ³ , lbs	: 30.0
Capacity Max System, kgr	: 600.0
Resin Qty, ft ³	: 5.0
#20 Gravel Qty, lbs	: 100.0
Distributor Size, in	: 2.0
Drain Line Size, in	: 2.0
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)
Total Regeneration Time, min.	: 113
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 3,800
Operating Weight, lbs.	: 14,500
Space Req'd in, L x W x H	: 222x42x98

Electrical Specifications

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



** Pipe and fittings shown not in scope*