



# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SC2HF6210**

**Water Softener 2.0"HF Sixplex Progressive 210,000 Capacity**

**Water Softener Operating Parameters**

Minimum Flow Rate, gpm	: 4.8
Critical Flow (Progressive), gpm	: 19.0 (114.0)
Service Flow (Progressive), gpm	: 30.0 (180.0)
Flow (Progressive) 15psi ΔP, gpm	: 68.0 (408.0)
Flow (Progressive) 25psi ΔP, gpm	: 88.0 (528.0)
Backwash Flow Rate, gpm	: 11.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 210.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 189.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 140.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 105.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 70.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 42.0
Capacity Max System, kgr	: 1,260.0
Resin Qty, ft <sup>3</sup>	: 7.0
#20 Gravel Qty, lbs	: 50.0
1/4"X1/8" Gravel Qty, lbs	: 100.0
Distributor Size, in	: 2.0
Drain Line Size, in	: 2.0
Brine Line Size, in	: 0.5

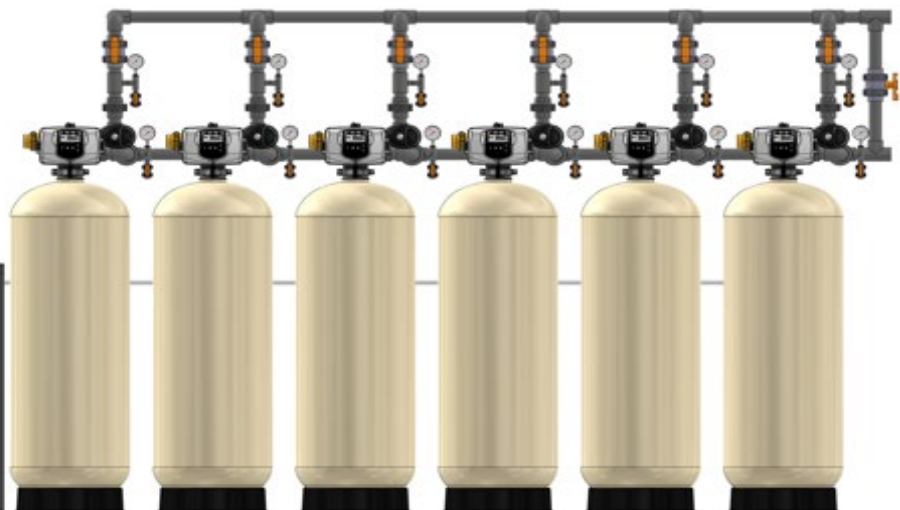
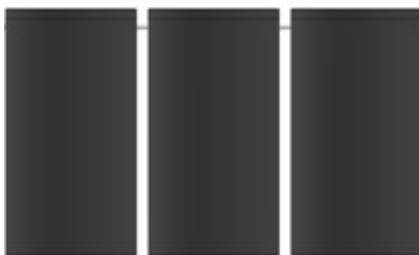
**Miscellaneous Design Data**

Mineral Tank Size, in.	: 21x62
Freeboard, in.	: 17.0
Bed Depth, in	: 34.9
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Total Regeneration Time, min.	: 125
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 6,600
Operating Weight, lbs.	: 22,800
Space Req'd in, L x W x H	: 339x42x98

**Electrical Specifications**

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

Note - Three brine tanks not shown



\* Pipe and fittings shown not in scope