



# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SC2HF5750**

**Water Softener 2.0"HF Fiveplex Progressive 750,000 Capacity**

**Water Softener Operating Parameters**

Minimum Flow Rate, gpm	: 19.2
Critical Flow (Progressive), gpm	: 75.0 (375.0)
Service Flow (Progressive), gpm	: 115.0 (575.0)
Flow (Progressive) 15psi ΔP, gpm	: 106.0 (530.0)
Flow (Progressive) 25psi ΔP, gpm	: 125.0 (625.0)
Backwash Flow Rate, gpm	: 45.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 750.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 675.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 500.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 750.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 375.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 250.0
Capacity Max System, kgr	: 3,750.0
Resin Qty, ft <sup>3</sup>	: 25.0
#20 Gravel Qty, lbs	: 250.0
1/4"X1/8" Gravel Qty, lbs	: 450.0
Distributor Size, in	: 2.0
Drain Line Size, in	: 2.0
Brine Line Size, in	: 0.75

**Miscellaneous Design Data**

Mineral Tank Size, in.	: 42x72
Freeboard, in.	: 24.8
Bed Depth, in	: 31.2
Brine Tank Size, in.	: 50X60
Max. Salt Load, lbs.	: 4,500 (Dry)
Total Regeneration Time, min.	: 125
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 12,780
Operating Weight, lbs.	: 47,500
Space Req'd in, L x W x H	: 474x58x125

**Electrical Specifications**

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

Note - Two brine tanks not shown



\* Pipe and fittings shown not in scope