

# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS S2MQC450**

**Water Softener 2.0" QC Simplex 450,000 Capacity**

#### Water Softener Operating Parameters

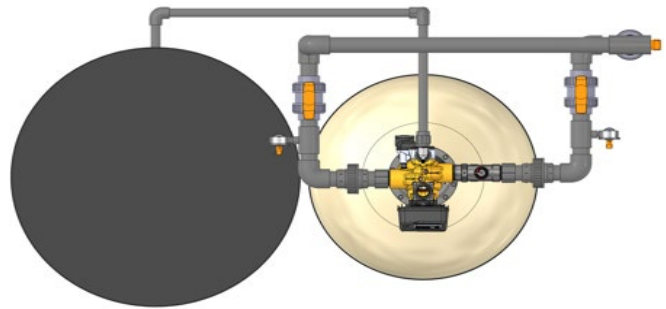
Minimum Flow Rate, gpm	: 9.8
Critical Flow Rate, gpm	: 40.0
Service Flow Rate, gpm	: 60.0
Flow Rate 15psi ΔP, gpm	: 84.0
Flow Rate 25psi ΔP, gpm	: 109.0
Backwash Flow Rate, gpm	: 25.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 450.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 405.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 300.0
Capacity Max System, kgr	: 450.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 225.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 150.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 90.0
Resin Qty, ft <sup>3</sup>	: 15.0
#20 Gravel Qty, lbs	: 100.0
1/4"X1/8" Gravel Qty, lbs	: 250.0
Distributor Size, in	: 2.0
Drain Line Size, in	: 1.5
Brine Line Size, in	: 0.75

#### 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.	: 1,500
Operating Weight, lbs.	: 5,200
Space Req'd in, L x W x H	: 86x42x97

#### Electrical Specifications

Supply Voltage	: 120VAC
Supply Frequency	: 60 Hz
Output Voltage	: 15VDC
Output Current:	: 500 mA



*\* Pipe and fittings shown not in scope*