

# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SD2MQC750**

**Water Softener 2.0" QC Duplex Alternating 750,000 Capacity**

#### Water Softener Operating Parameters

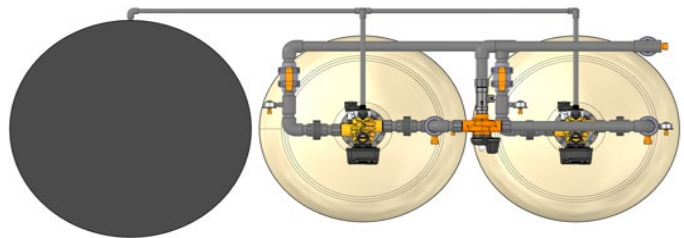
Minimum Flow Rate, gpm	: 19.2
Critical Flow Rate, gpm	: 75.0
Service Flow Rate, gpm	: 115.0
Flow Rate 15psi ΔP, gpm	: 98.0
Flow Rate 25psi ΔP, gpm	: 125.0
Backwash Flow Rate, gpm	: 45.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 750.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 675.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 500.0
Capacity Max System, kgr	: 1,500.0
Salt Usage @ 15lbs/ft <sup>3</sup> , lbs	: 375.0
Salt Usage @ 10lbs/ft <sup>3</sup> , lbs	: 250.0
Salt Usage @ 6lbs/ft <sup>3</sup> , lbs	: 150.0
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	: 1.5
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.	: 5,000
Operating Weight, lbs.	: 14,500
Space Req'd in, L x W x H	: 136x53x124

#### Electrical Specifications

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



*\* Pipe and fittings shown not in scope*