

# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SC2MQC5750**

**Water Softener 2.0"QC 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        | : 98.0 (490.0)  |
| 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 | : 375.0         |
| Salt Usage @10lbs/ft <sup>3</sup> , lbs | : 250.0         |
| Salt Usage @6lbs/ft <sup>3</sup> , lbs  | : 150.0         |
| 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                     | : 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) |
| Regeneration/Vessel 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      | : 483x58x122  |

#### Electrical Specifications

|                                |          |
|--------------------------------|----------|
| Supply Voltage                 | : 120VAC |
| Supply Frequency               | : 60 Hz  |
| Output Voltage Nominal         | : 12VAC  |
| Output Current (max per valve) | : 0.5A   |



Note - Two brine tanks not shown

\* Pipe and fittings shown not in scope