

# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS S2MQC900**

**Water Softener 2.0" QC Simplex 900,000 Capacity**

#### Water Softener Operating Parameters

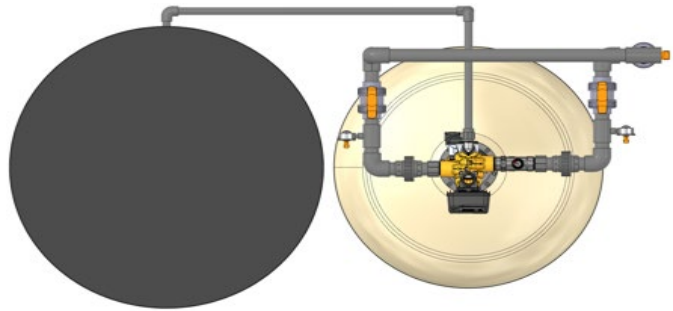
|  |         |
|--|---------|
| Minimum Flow Rate, gpm                   | : 19.2  |
| Critical Flow Rate, gpm                  | : 75.0  |
| Service Flow Rate, gpm                   | : 115.0 |
| Flow Rate 15psi ΔP, gpm                  | : 90.0  |
| Flow Rate 25psi ΔP, gpm                  | : 120.0 |
| Backwash Flow Rate, gpm                  | : 45.0  |
| Capacity @15lbs/ft <sup>3</sup> , kgr    | : 900.0 |
| Capacity @10lbs/ft <sup>3</sup> , kgr    | : 810.0 |
| Capacity @6lbs/ft <sup>3</sup> , kgr     | : 600.0 |
| Capacity Max System, kgr                 | : 900.0 |
| Salt Usage @ 15lbs/ft <sup>3</sup> , lbs | : 450.0 |
| Salt Usage @ 10lbs/ft <sup>3</sup> , lbs | : 300.0 |
| Salt Usage @ 6lbs/ft <sup>3</sup> , lbs  | : 180.0 |
| Resin Qty, ft <sup>3</sup>               | : 30.0  |
| #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.                | : 18.5        |
| Bed Depth, in                 | : 37.5        |
| 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.         | : 3,150       |
| Operating Weight, lbs.        | : 11,025      |
| Space Req'd in, L x W x H     | : 104x54x117  |

#### Electrical Specifications

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



*\* Pipe and fittings shown not in scope*