

# EXCALIBUR WATER SYSTEMS

## COMMERCIAL WATER SOFTENER

### SYSTEM DESIGN DATA & SPECIFICATIONS

**Model: EWS SC2MQC3180**

**Water Softener 2.0"QC Triplex Progressive 180,000 Capacity**

#### Water Softener Operating Parameters

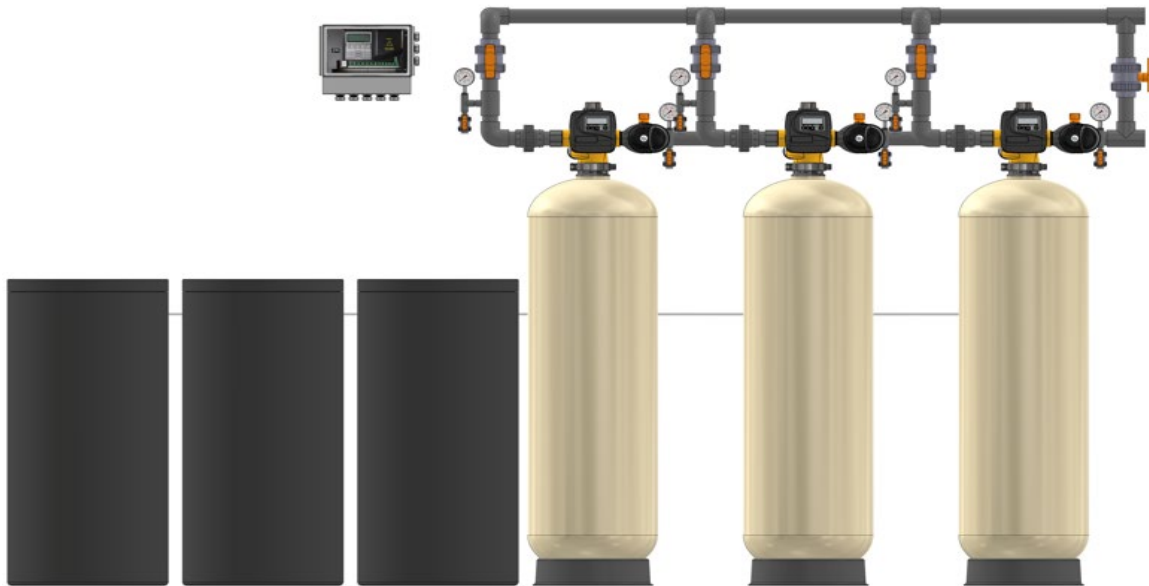
Minimum Flow Rate, gpm	: 3.5
Critical Flow (Progressive), gpm	: 14.0 (42.0)
Service Flow (Progressive), gpm	: 21.0 (63.0)
Flow (Progressive) 15psi ΔP, gpm	: 51.0 (153.0)
Flow (Progressive) 25psi ΔP, gpm	: 66.0 (198.0)
Backwash Flow Rate, gpm	: 9.0
Capacity @15lbs/ft <sup>3</sup> , kgr	: 180.0
Capacity @10lbs/ft <sup>3</sup> , kgr	: 162.0
Capacity @6lbs/ft <sup>3</sup> , kgr	: 120.0
Salt Usage @15lbs/ft <sup>3</sup> , lbs	: 90.0
Salt Usage @10lbs/ft <sup>3</sup> , lbs	: 60.0
Salt Usage @6lbs/ft <sup>3</sup> , lbs	: 36.0
Capacity Max System, kgr	: 540.0
Resin Qty, ft <sup>3</sup>	: 6.0
#20 Gravel Qty, lbs	: 100.0
Distributor Size, in	: 2.0
Drain Line Size, in	: 1.5
Brine Line Size, in	: 0.5

#### Miscellaneous Design Data

Mineral Tank Size, in.	: 18x65
Freeboard, in.	: 15.2
Bed Depth, in	: 40.7
Brine Tank Size, in.	: 24x50
Max. Salt Load, lbs.	: 900 (Dry)
Regeneration/Vessel Time, min.	: 120
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 3,075
Operating Weight, lbs.	: 11,025
Space Req'd in, L x W x H	: 170x45x96

#### Electrical Specifications

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



\* Pipe and fittings shown not in scope