



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC33900

Water Softener 3.0" Triplex Progressive 900,000 Capacity

Water Softener Operating Parameters

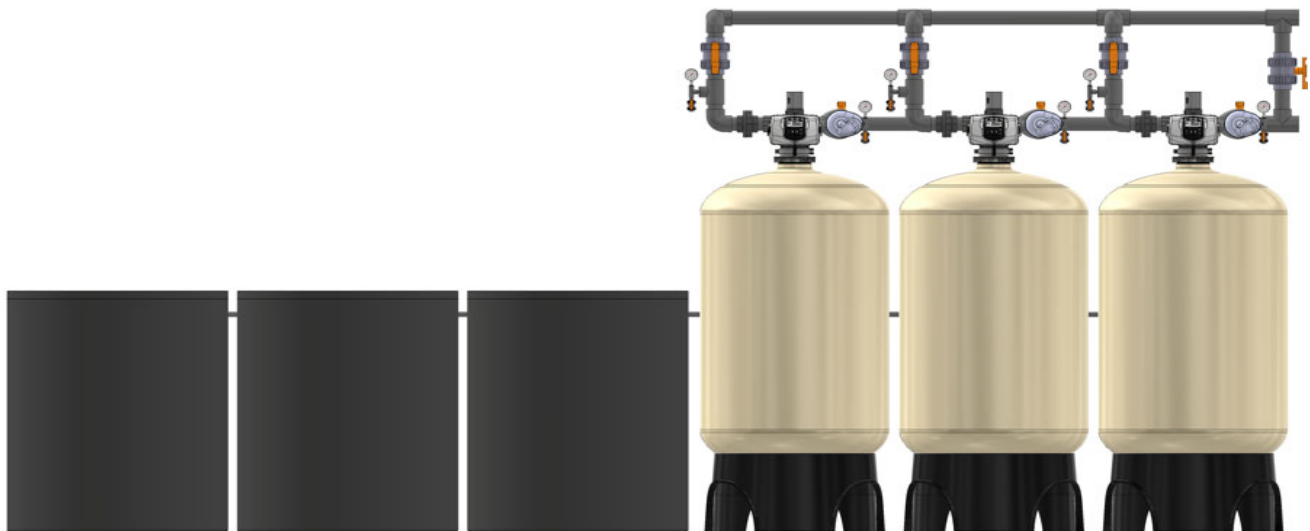
Minimum Flow Rate, gpm	: 19.2
Critical Flow (Progressive), gpm	: 75.0 (225.0)
Service Flow (Progressive), gpm	: 115.0 (345.0)
Flow (Progressive) 15psi ΔP, gpm	: 180.0 (540.0)
Flow (Progressive) 25psi ΔP, gpm	: 230.0 (690.0)
Backwash Flow Rate, gpm	: 45.0
Capacity @15lbs/ft ³ , kgr	: 900.0
Capacity @10lbs/ft ³ , kgr	: 810.0
Capacity @6lbs/ft ³ , kgr	: 600.0
Salt Usage @ 15lbs/ft ³ , lbs	: 900.0
Salt Usage @ 10lbs/ft ³ , lbs	: 450.0
Salt Usage @ 6lbs/ft ³ , lbs	: 300.0
Capacity Max System, kgr	: 2,700.0
Resin Qty, ft ³	: 30.0
#20 Gravel Qty, lbs	: 250.0
1/4"X1/8" Gravel Qty, lbs	: 450.0
Distributor Size, in	: 3.0
Drain Line Size, in	: 3.0
Brine Line Size, in	: 1.0

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.	: 9,420
Operating Weight, lbs.	: 33,900
Space Req'd in, L x W x H	: 292x73x132

Electrical Specifications

Supply Voltage	: 120VAC
Supply Frequency	: 60 Hz
Output Voltage	: 24VDC
Output Current:	: 800 mA



** Pipe and fittings shown not in scope*