



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC36600

Water Softener 3.0" Sixplex Progressive 600,000 Capacity

Water Softener Operating Parameters

Minimum Flow Rate, gpm	: 14.1
Critical Flow (Progressive), gpm	: 60.0 (360.0)
Service Flow (Progressive), gpm	: 85.0 (510.0)
Flow (Progressive) 15psi ΔP, gpm	: 172.0 (1,032.0)
Flow (Progressive) 25psi ΔP, gpm	: 222.0 (1,332.0)
Backwash Flow Rate, gpm	: 35.0
Capacity @15lbs/ft ³ , kgr	: 600.0
Capacity @10lbs/ft ³ , kgr	: 540.0
Capacity @6lbs/ft ³ , kgr	: 400.0
Salt Usage @ 15lbs/ft ³ , lbs	: 600.0
Salt Usage @ 10lbs/ft ³ , lbs	: 300.0
Salt Usage @ 6lbs/ft ³ , lbs	: 200.0
Capacity Max System, kgr	: 3,600.0
Resin Qty, ft ³	: 20.0
#20 Gravel Qty, lbs	: 150.0
1/4"X1/8" Gravel Qty, lbs	: 350.0
Distributor Size, in	: 3.0
Drain Line Size, in	: 3.0
Brine Line Size, in	: 1.0

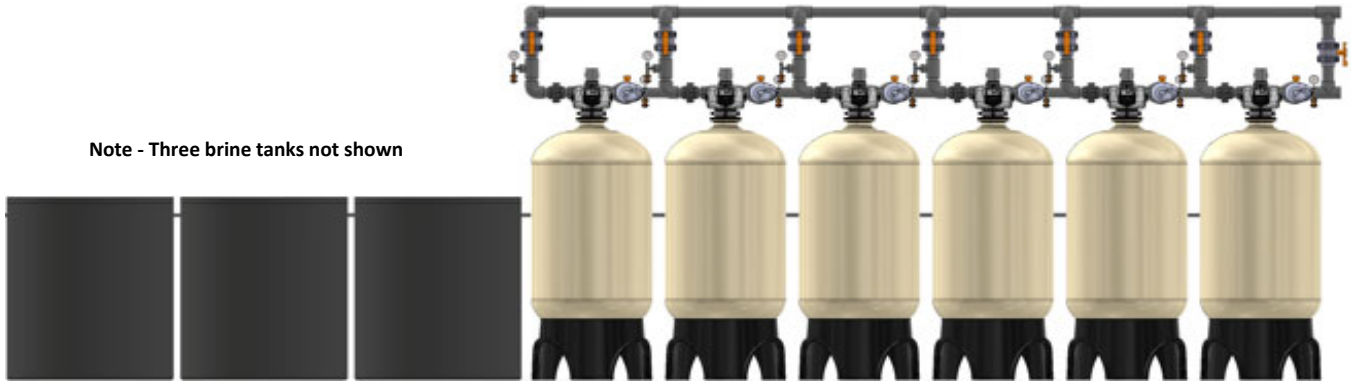
Miscellaneous Design Data

Mineral Tank Size, in.	: 36x72
Freeboard, in.	: 25.0
Bed Depth, in	: 34.0
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.	: 12,045
Operating Weight, lbs.	: 49,800
Space Req'd in, L x W x H	: 555x73x125

Electrical Specifications

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

Note - Three brine tanks not shown



* Pipe and fittings shown not in scope