EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

Quality through innovation

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC125430

Water Softener 1.25" Quadplex Progressive 30,000 Capacity

Water Softener Operating Parameters

Minimum Flow Rate, gpm	: 0.9
Critical Flow (Progressive), gpm	: 3.5 (14.0)
Service Flow (Progressive), gpm	: 5.0 (20.0)
Flow (Progressive) 15psi ΔP, gpm	: 19.0 (76.0)
Flow (Progressive) 25psi ΔP, gpm	: 28.0 (112.0)
Backwash Flow Rate, gpm	: 2.2
Capacity @15lbs/ft^3, kgr	: 30.0
Capacity @10lbs/ft^3, kgr	: 27.0
Capacity @6lbs/ft^3, kgr	: 20.0
Salt Usage @15lbs/ft³, lbs	: 15.0
Salt Usage @10lbs/ft³, lbs	: 10.0
Salt Usage @6lbs/ft³, lbs	: 6.0
Capacity Max System, kgr	: 120.0
Resin Qty, ft³	: 1.0
#20 Gravel Qty, lbs	: 12.0
Distributor Size, in	: 1.32
Drain Line Size , in	: 0.75
Brine Line Size , in	: 0.375

Miscellaneous Design Data

Mineral Tank Size, in.	: 9x48
Freeboard, in.	: 15.0
Bed Depth, in	: 27.0
Brine Tank Size, in.	: 18x33
Max. Salt Load, lbs.	: 350 (Dry)
Regeneration/Vessel Time, min.	: 87
Operating Pressure, psi	: 40-110
Operating Temperature, ° F	: 40-110
Shipping Weight, lbs.	: 460
Operating Weight, lbs.	: 2,200
Space Req'd in, L x W x H	: 127x28x75

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