



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS SC341200

Water Softener 3.0" Quadplex Progressive 1,200,000 Capacity

Water Softener Operating Parameters

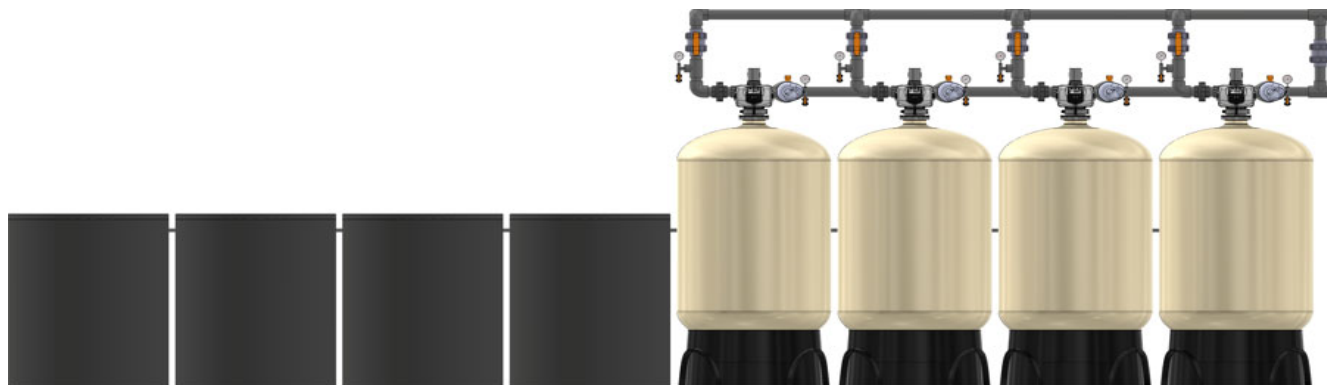
| | |
|--|-------------------|
| Minimum Flow Rate, gpm | : 25.0 |
| Critical Flow (Progressive), gpm | : 100.0 (400.00) |
| Service Flow (Progressive), gpm | : 150.0 (600.0) |
| Flow (Progressive) 15psi ΔP, gpm | : 194.0 (776.0) |
| Flow (Progressive) 25psi ΔP, gpm | : 250.0 (1,000.0) |
| Backwash Flow Rate, gpm | : 60.0 |
| Capacity @15lbs/ft ³ , kgr | : 1,200.0 |
| Capacity @10lbs/ft ³ , kgr | : 1,080.0 |
| Capacity @6lbs/ft ³ , kgr | : 800.0 |
| Salt Usage @ 15lbs/ft ³ , lbs | : 1,200.0 |
| Salt Usage @ 10lbs/ft ³ , lbs | : 600.0 |
| Salt Usage @ 6lbs/ft ³ , lbs | : 400.0 |
| Capacity Max System, kgr | : 4,800.0 |
| Resin Qty, ft ³ | : 40.0 |
| #20 Gravel Qty, lbs | : 300.0 |
| 1/4"X1/8" Gravel Qty, lbs | : 600.0 |
| Distributor Size, in | : 3.0 |
| Drain Line Size, in | : 3.0 |
| Brine Line Size, in | : 1.0 |

Miscellaneous Design Data

| | |
|-------------------------------|---------------|
| Mineral Tank Size, in. | : 48x72 |
| Freeboard, in. | : 18.8 |
| Bed Depth, in | : 38.1 |
| 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. | : 15,760 |
| Operating Weight, lbs. | : 52,200 |
| Space Req'd in, L x W x H | : 412x73x132 |

Electrical Specifications

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



** Pipe and fittings shown not in scope*