



EXCALIBUR WATER SYSTEMS

COMMERCIAL WATER SOFTENER

SYSTEM DESIGN DATA & SPECIFICATIONS

Model: EWS S125120

Water Softener 1.25" Simplex 120,000 Capacity

Water Softener Operating Parameters

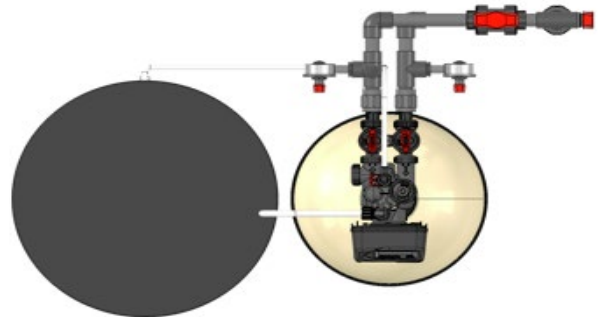
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|--|---------|
| Minimum Flow Rate, gpm | : 2.8 |
| Critical Flow Rate, gpm | : 11.0 |
| Service Flow Rate, gpm | : 17.0 |
| Flow Rate 15psi ΔP, gpm | : 25.0 |
| Flow Rate 25psi ΔP, gpm | : 34.0 |
| Backwash Flow Rate, gpm | : 6.5 |
| Capacity @15lbs/ft ³ , kgr | : 120.0 |
| Capacity @10lbs/ft ³ , kgr | : 108.0 |
| Capacity @6lbs/ft ³ , kgr | : 80.0 |
| Capacity Max System, kgr | : 120.0 |
| Salt Usage @ 15lbs/ft ³ , lbs | : 60.0 |
| Salt Usage @ 10lbs/ft ³ , lbs | : 40.0 |
| Salt Usage @ 6lbs/ft ³ , lbs | : 24.0 |
| Resin Qty, ft ³ | : 4.0 |
| #20 Gravel Qty, lbs | : 75.0 |
| Distributor Size, in | : 1.32 |
| Drain Line Size , in | : 0.75 |
| Brine Line Size , in | : 0.375 |

Miscellaneous Design Data

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|-------------------------------|-------------|
| Mineral Tank Size, in. | : 16x65 |
| Freeboard, in. | : 20.0 |
| Bed Depth, in | : 34.4 |
| Brine Tank Size, in. | : 24x50 |
| Max. Salt Load, lbs. | : 900 (Dry) |
| Total Regeneration Time, min. | : 106 |
| Operating Pressure, psi | : 40-110 |
| Operating Temperature, ° F | : 40-110 |
| Shipping Weight, lbs. | : 380 |
| Operating Weight, lbs. | : 1,500 |
| Space Req'd in, L x W x H | : 51x32x85 |

Electrical Specifications

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|------------------|----------|
| Supply Voltage | : 120VAC |
| Supply Frequency | : 60 Hz |
| Output Voltage | : 15VDC |
| Output Current: | : 500 mA |



** Pipe and fittings shown not in scope*