



1,500,000 GRAIN DUAL-TRAIN WATER SOFTENER

One (1) 1,500,000 grain skid mounted dual train water softener designed to supply the requirements of a 72,000 pph capacity boiler with a 5% blow down rate. The softener system consists of two vessels, all piping and valves, and semi-automatic, flow or manually initiated, regeneration control system.

The logic supplied will initiate the regeneration cycle automatically. A Badger water flow meter signals and alarm and switches the unit on-line into regeneration. The system will then automatically bring the second system on-line and begin regeneration of the first system. When the regeneration is complete, the unit will be held in standby until the next cycle initiation. Brine will be automatically pumped from the bulk brine tank and injected into the vessel during regeneration.

Specifications

Performance

- Number of tanks – 2
- Number of brine tanks – 1
- Size of tanks – 36" diameter x 72" tall
- Normal flow/tank – 1,500,000 grains
- Regeneration time/tank – 60 minutes
- Time between regenerations (assume 100 ppm hardness) – 12 hours
- Salt usage/regeneration 750 hours

Physical Data

- Skid dimensions – 8' high x 6' wide x 15' long
- Tank design pressure – 100 psig
- Number of trains – 2
- Amount of resin/tank – 50 cubic ft

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