

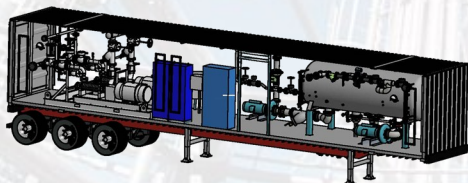


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200,000 lbs/hr **400 GPM @ 290 psig** **Deaerating Boiler Feedsystem**

Nationwide Boiler's fully piped & wired 200,000 lb/hr deaerating boiler feedwater system reduces oxygen to 0.005 cc/l maximum across 20-100% of the operating range. Designed for 50% make-up water and 50% condensate return, it can achieve full capacity with 0% condensate return using additional water. It is comprised of the following:

- Feedwater Pressure of 290 PSIG @ 400 GPM
- 1,500 Gallons of Storage Capacity
- Allen-Bradley PLC Control System with HMI
- Feed Pump System Including: 6 Vertical Grundfos Pumps (66.7 GPM @ 670 TDH with 300 HP TEFC Motors Each)
- Allen-Bradley Pump Motor Starter Panels, NEMA 12
- Eagle Eye Remote Monitoring Capabilities
- Chemical Feed Stations for Deaerator and Boiler Feedwater
- Marlo Twin Tank Water Softener, 900,000-Grain Capacity with Brine Tank
- Control and Recirculation Pump Motor Starter Panel, Including: Control Circuit Transformer, Disconnect Switches, Allen Bradley Compact-Logix PLC, and 10" Touchscreen HMI.
- Electric Space Heating
- Electrical Service Entrance for 480 Volt (435 Maximum Full Load Running Amps)
- Deaerator Tank is ASME Section 8



Connection Sizes:

Softened Water:	3"-150 psi FLG (50-100 psi)
Deaerator Steam Supply:	4"-300 psi FLG (125-175 psi)
Deaerator Drain:	4"-150 psi FLG
Boiler Feedwater:	6"-300 psi FLG
Condensate Returns:	4"-150 psi FLG (pumped) 4"-150 psi FLG (trapped)
Plant Instrument Air:	½ "-NPT (60-100 psi)

Electrical Power Requirements:

480 VAC, 3 ph, 60 Hz., 600 amps

Dimensions & Weights:

Length:	53' 0"
Width:	8' 6"
Height:	13' 5"
Est. Shipping Weight:	65,000 lbs
Est. Operating Weight:	99,000 lbs

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