

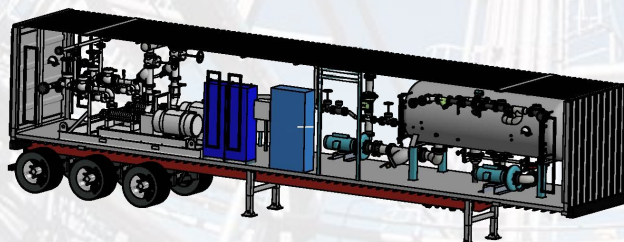


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200,000 lbs/hr **400 GPM @ 800 psig** **Deaerating Boiler Feedsystem**

Nationwide Boiler's fully piped and wired 200,000 lbs/hr complete deaerating boiler feedwater system is designed to reduce oxygen in the boiler feedwater to 0.005 cc/l maximum from 20% to 100% of the operating range with 100% make-up water (no condensate return). It is comprised of the following:

- Feedwater Pressure of 800 psig @ 400 GPM
- 1,500 Gallons of Storage Capacity
- Allen-Bradley PLC Control System with HMI
- Feed Pump System Including: 2 Horizontal Carver Pumps (400 gpm @ 1901 TDH with 300 hp TEFC Motors Each)
- Allen-Bradley Variable Frequency Drives (VFD)
- Eagle Eye Remote Monitoring Capabilities
- Chemical Feed Stations for Deaerator and Boiler Feedwater
- Control and Motor Starter Panel including: VFD Starters, Pump Disconnect Switches, Control Circuit Transformer and Disconnect Switch, Indicating Lights, Pump Selector Switch and Hand/Off/Auto Pump Switches and an Alarm Horn
- Electric Space Heating
- Electrical Service Entrance for 480 Volt (600 Maximum Full Load Running Amps)
- Deaerator Tank is ASME Section 8



Connection Sizes:

Softened Water:	4"-150 psi FLG (50-100 psi)
Deaerator Steam Supply:	4"-300 psi FLG (125-175 psi)
Deaerator Drain:	2"-150 psi FLG
Boiler Feedwater:	6"-600 psi FLG
Condensate Returns:	4"-150 psi FLG (pumped) 4"-150 psi FLG (trapped)
Plant Instrument Air:	1"-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:	99,200 lbs

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