

## **80,000 PPH Mobile Deaerator System**

Each 80,000 PPH deaerating boiler feedwater system is completely mounted, wired and piped in a fully lighted 53 foot van type trailer with all utility, steam, water and drain connections external of the trailer, allowing for rapid delivery and tie-in at the jobsite. The system is complete with the following components:

### **Deaerator System**

One (1) 80,000lb./hr. packaged deaerator system, design 50psi, constructed in accordance with the ASME Code. The system is designed to reduce oxygen in boiler feedwater to .005 cc/l maximum from 0 to 100% of the operating range with 100% make up water. The deaerator tank has 1627 gallons of storage capacity to overflow. This system is complete with:

- Steam pressure-reducing valve (D A must operate @ 12 psi steam pressure)
- Water inlet control valve (Minimum inlet make up water pressure 60 psi maximum 90 psi)
- Overflow trap
- Steam relief valve sized per heat exchange specifications
- High and low level controls
- Steam section pressure gauge
- Water level gauge glass
- Vacuum breaker
- Thermometer
- High and low temperature return connections
- Control panel
- Motor starters
- High and low level alarms
- Stand
- 2 feedwater pumps
- 480/3 ph voltage

### **Amperage Requirements**

480 volt 125 amps

## **1,800,000 Grain Triple Water Softener**

One (1) water softener, 600,000 grains per tank, complete with:

- Resin tanks
- Brine tank
- Altwinator
- One (1) automatic regeneration system
- Minimum exchange capacity - 150,000
- Maximum exchange capacity - 1,800,000
- Manifold pipe size - 2 1/2"
- Continuous service flow - 110gpm per tank
- Two chemical pumps