Proper feedwater control increases overall plant efficiency and boiler longevity:

- Ensuring consistent feedwater temperature and pressure
- Maintaining proper oxygen removal at all firing rates
- Monitoring water softener and chemical injection processes to maintain proper feedwater chemistry

Typical control features include:

- Deaerator tank level control
- Surge tank level control
- Feedwater and transfer pump control; automatic lead lag, pump rotation
- Intergrated pump Hand-Off-Auto switches
- Modbus, Ethernet, or Bacnet communications
- VSD control of feedwater and transfer pumps
- Steam pressure control
- Condensate and feedwater flow monitoring
- Alarm and Event Monitoring
- Trending and recording of all points
- Water softener monitoring
- Make-up water flow and pressure monitoring
- Chemical feed pump control

The Preferred Feedwater Control Center is based on the proven PWC manufactured by Preferred Instruments in Danbury, CT. The controller is NEMA 4 and U.L. listed.

www.preferredinstruments.com
P: 203.743.6741  F: 203.798.7313
The Feedwater and Deaerator Control are key components often overlooked in boiler room design.

TYPICAL CONTROL SCHEMATIC

Boiler Plant Master

Energy Management System

Blowdown Heat Recovery

Cold Makeup Water

Water Softener

Make-up Meter