

Feedwater System Analysis

A properly functioning feedwater system is crucial to maintaining overall boiler performance. Issues detrimental to feedwater system operation can include excessive pump head requirements, uneven pump performance in multi-pump systems, and suboptimal control valve operation. A system evaluation is an important step in the sizing of pumps and the designing of pipe layouts for feedwater system upgrades and modifications.

Jansen has experience in evaluating and troubleshooting existing feedwater systems as well as designing and supplying system modifications. Our capabilities include the following:

- Overall system evaluation, including pump head and flow calculations, system head loss calculations, and control valve analysis.
- Pressure drop analysis and pipe stress analysis.
- Piping design, including isometric and orthographic drawings, for modifications to existing systems.
- Specification and supply of system components such as pumps, piping, pipe supports, valves, strainers, flowmeters, etc.



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