Boiler Feedpump Recirculation Valve

The boiler feedpump recirculation valve faces some of the toughest conditions of any control valve in a power plant. The boiler feedpump takes its suction from the deaerator at relatively low pressure, and increases the pressure to approximately 10% above the main steam pressure. During startup or low load conditions, flow to the boiler may not be adequate to meet the minimum flow requirements of the boiler feedpump.

Fisher boiler feedpump recirculation valves protect the feedpump by ensuring adequate flow is passing through the pump at all times. They are engineered to handle extreme cavitation caused by high temperatures and pressure drops. Where issues with flow accelerated corrosion exist, Fisher boiler feedpump recirculation valves allow high levels of entrained particulate to pass.

PRODUCT FEATURES

- Controls pressure drops up to 586 bar (8,500 psi).
- Advanced sealing technology provides tight shutoff and extends service life.
- High turndown handles extreme flow rates.
- Anti-cavitation trim reduces noise and vibration for extended service life.
- Characterized cage provides low-flow cavitation protection during initial operation and necessary flow as pressure rises.
- Optional trim allows passing of 19 mm (.75 inch) particulate.
- Globe and angle body designs available.
- Pneumatic piston actuator provides highly accurate step positioning and stable valve response.