INDUSTRIAL STEAM

Pressurized and Atmospheric Deaerators

Electronic Modulating Level Control

Variable-Frequency Drive Cut Energy Costs and Increase Comfort

The most common type of HVAC control, a single-zone system uses one thermostat or control point per HVAC unit. A supply fan moves air from the HVAC-system intake to distribution points throughout the facility. Typically, this fan runs constantly at full speed when the facility is occupied. This mode of operation is inefficient, tough on equipment, and only moderately successful in providing comfort.

- Improve measurement accuracy up to 0.04% of Span with 10-year stability
- Simplify commissioning and maintenance with a Local Operator Interface built into the transmitter
- Install in safety applications requiring SIL 2 certified product

How it works

This RWF40 Modulating Feedwater Control Valve Application Guide is intended for use by OEMs that integrate the RWF40 controller into their products.

This application combines separate modular components to produce a modulating feedwater control. The valves in this guide are typically applicable to steam boilers in the 200-2500 HP range.

The transmitter must be mounted below the minimum water level. Since the high and low pressure lines have equal and opposite forces below the minimum level, they will cancel each other out. This allows the transmitter to be mounted at any distance below minimum. The transmitter must be mounted in the vertical position.

The high pressure line is kept completely full of condensate and will be used as a reference. Open or vented vessels require only a high pressure connection.