Typical Applications

**VALVES**

**Process temperature control using pneumatic Hi-Flow™ control valves.**

Pneumatic Hi-Flow™ control valves provide excellent control with high flow, wide rangeability and tight shutoff capabilities. The dispensing application shown uses a Lin-E-Aire® pneumatic actuator, operating off standard 3-15 psi control air signals, and a Hi-Flow™ linear control valve that apportions steam or water to a user process. The valve regulates cooling water or steam flow depending on the process requirement resident in the temperature controller program. This package can be provided with a Precisor® positioner and Proximity™ position transmitter which provides an excellent process control application problem solution.

**Quick response Hi-Flow™ valves control water flow in cooling process.**

Dependable W.E. Anderson® Hi-Flow™ control valves with Lin-E-Aire® air-to-raise actuators combine to provide unsurpassed water flow management. This retort system employs the Hi-Flow™ valve because of its excellent control capabilities, which are necessary for this application. After the cooking process, the valve is opened slowly. Once the desired temperature has been reached, the supply is shut off and any additional cooling is done by use of the hand valve.

**Water-side Economizer System includes ABFV 3-way butterfly valve for accurate control of flow.**

To ensure efficient utilization of cold water in HVAC systems, W.E. Anderson® ABFV 3-way butterfly valves are called upon to modulate flow. This common “water-side economizer” allows water from the plate heat exchanger to be diverted directly to the cooling tower if the temperature is cool enough, instead of coming directly from the condenser on the chiller.

**Proximity™ Mark Series valve position indicator is perfect for valve position indication on offshore oil rigs.**

Proximity™ Mark Series position indicator is utilized in valve automation packages in harsh environments. The Mark Series mounts onto the top of rotary valve actuators and connects to the actuator shaft or attaches to the shaft of a linear valve for indicating valve position. Standard with the Mark Series is visual position indication with “OPEN”, “CLOSED”, and degree position status. The Mark Series is available with continuous position retransmission with a 4 to 20 mA output and up to six adjustable position indication switches for remote indication of valve status. Remote status transmitter is used for indication of exact valve position and switches provide discrete indication of valve open and closed status in the control room. The Mark Series is perfect for this application because of the 316 SS enclosure that withstands the sea spray environment, and the patented magnetic drive mechanism that completely seals the switch cavity from the environment.