

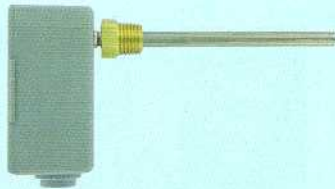
PRODUCTS APPLIED FOR HEATING & COOLING APPLICATION



WATER MIXING VALVE

Three-way valves are used to mix return and supply water and chilled and hot together.

- Products used: GV Globe Valve with EVA Electric Actuator, or 3ABV Ball Valve with Electric Actuator.



WATER TEMPERATURE MONITOR

A temperature sensor is inserted into the water pipeline to monitor the system supply, system return, condenser return, condenser supply, and boiler supply water temperature.

- Products used: I-2 RTD Temperature Sensor with thermowell.



OUTSIDE AIR SENSOR

A dual humidity and temperature transmitter is outside the building to monitor the outdoor air humidity and temperature.

- Products used: RHT-O Humidity/Temperature Transmitter.



PUMP VALIDATION/FLOW PROVING

Proving a pump is operating can be done in several ways:

1. Monitor the differential pressure between upstream and downstream of the pump.
 - Products used: H3 Pressure Switch.
2. Monitor the water flow exiting the pump.
 - Products used: FS-2, V8, or V10 Flow Switch.
3. Monitor the current usage of the pump.
 - Products used: CS Current Switch.
4. Ensure proper differential pressure is created from sufficient flow through chiller
 - Products used: 629 Differential Pressure Transmitter