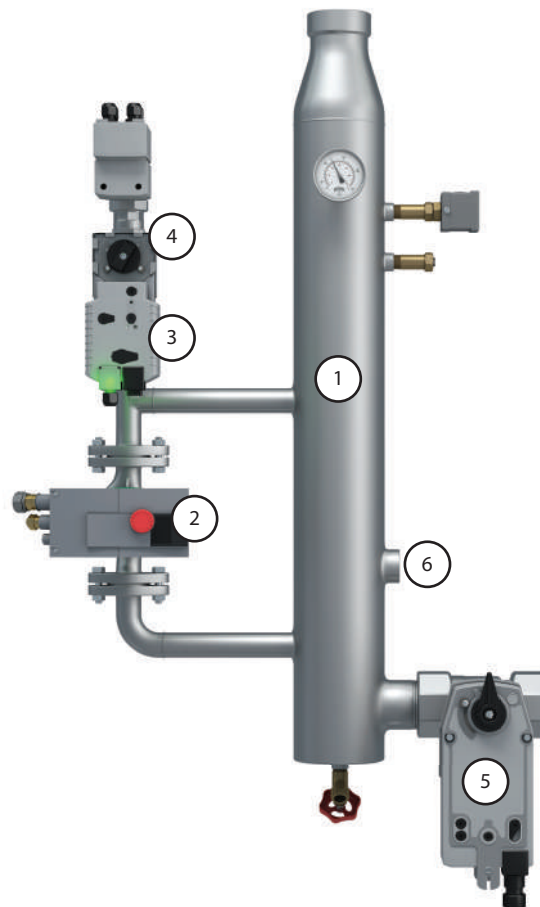


flowmix












ENGINEERED HOT WATER TEMPERATURE CONTROL SYSTEM

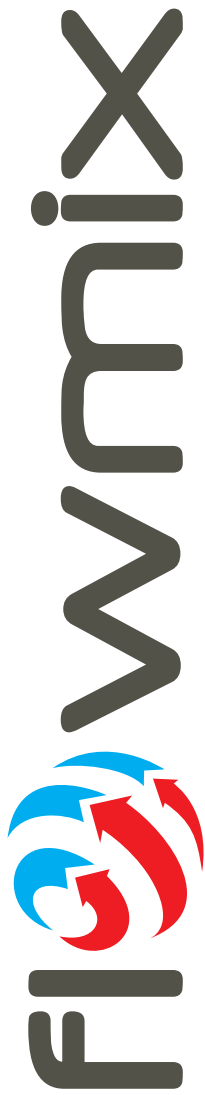
The Flowmix Engineered Hot Water Temperature Control System is a hot water monitoring mixing station designed specifically to be the primary domestic hot water temperature controller in a continuously pumped circulating hot water system.



- 1 Specially designed stainless steel mixing chamber
Obstruction free, flow through design
- 2 High Efficiency Mixing Pump
- 3 BACnet IP and BACnet MS/TP compatible
Trouble free - minimal maintenance required
- 4 Custom engineered industry leading controls
Full flow available at all times
- 5 Independent fail safe shut off in the event of power or cold water failure
- 6 Integrates building recirculation line

Flowmix... **Protection** and **Reliability** you can depend on!

-  **Obstruction free, flow through design**
-  **Any volume, anytime**
-  **No/Minimal pressure drops**
-  **Independant fail-safe shut off valve**
-  **Virtually maintenance free**
-  **+/- 2°F temperature control at points of use 25' downstream during demand**
-  **+/- 2°F temperature control at the mixing station during zero demand**
-  **Conservation capability during idle periods**
-  **2 year component warranty**
-  **5 year mixing chamber warranty**
-  **Patent Protected**



Engineered Hot Water Control System

Flowmix Engineered Hot Water Control System is a hot water monitoring mixing station designed specifically to be the primary domestic hot water temperature controller in a continuously pumped circulating hot water system.

Flowmix Engineered Hot Water Control System shall be pre-piped and pressure tested as a Hot Water Control System complete with inlet hot water, inlet cold water, inlet recirculation return water and outlet mixed water.

The Flowmix Engineered Hot Water Control System shall comprise of energy metering pressure independent control valves, 2-way control valves, high efficiency domestic hot water circulators, stainless steel mixing chamber, thermometers, thermocouples and aquastats mounted on a galvanized U-Channel frame.

Operational Specifications

- +/- 2 °F temperature control at points of use 25' downstream during demand
- +/- 2 °F water temperature control at the mixing station during zero demand
- Conservation mode allows for system temperature to ramp down during idle periods
- Automatic shutoff of hot water flow in the event of a power failure
- Automatic shutoff of hot water flow upon cold water inlet supply failure
- Automatic shutoff diagnostic verification
- Programmable set point range of 100°F - 160°F (37°C - 71°C)
- Programmable temperature error level for safety shutdown

Technical Specifications

- Input Power: 24 V
- Pump Relay: FLA 3 - 230 V
- Electronically protected against overload
- Stainless Steel Valve Construction
- Maximum inlet HW supply temperature: 82°C / 180°F
- Operational water pressure: 145 psi max
- Display in °C or °F

Connectivity

- BACnet IP, BACnet MS/TP, Listed BTL, web server, Belimo MP-Bus (upon request)