

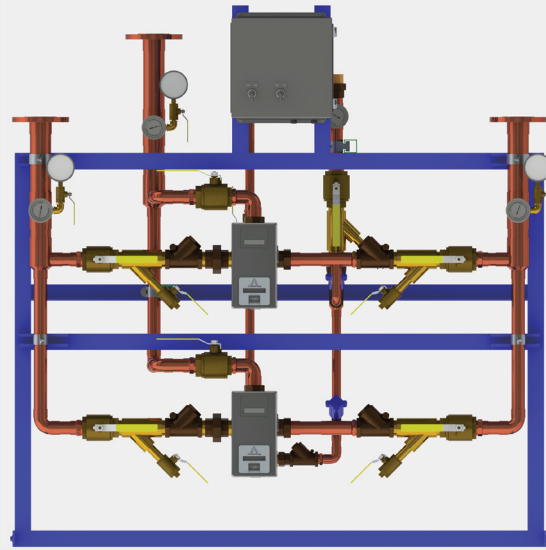


**Armstrong®**

# DIGITAL HOT WATER SOLUTIONS



## Digital Mixing Centers



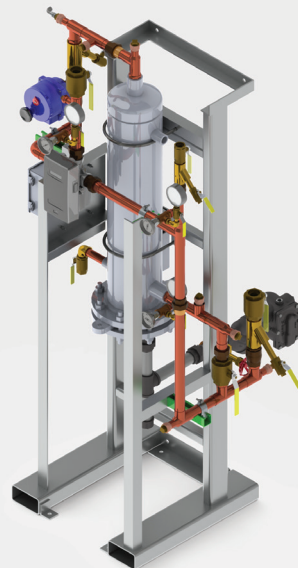
### Pre-Piped Digital Water Temperature Control Solutions

- Featuring The Brain® - ASSE 1017 certified Digital Recirculating Valve.
- Choose from 12 standard assemblies or customize.
- Wide range of flow rates up to 400 gpm (@ 10 psig).
- Factory assembled with 5 connection points for simplified installation.
- Includes isolation valves, check valves, balancing valves, strainers, thermometers, and pressure gauges.
- Optional SAGE™ Building System interface with integral data-logging to support AHSRAE 188 Monitoring and Reporting Compliance.

## Digital-Flo® Semi-Instantaneous Steam/Water Heater

### Pre-Piped Digital Hot Water Generation and Control Solutions

- Featuring The Brain® - ASSE 1017 certified Digital Recirculating Valve.
- Choose from 16 standard assemblies or customize.
- Compact vertical design - Small footprint.
- Simple tube bundle access.
- Optional SAGE™ Building System interface with integral data-logging to support AHSRAE 188 Monitoring and Reporting Compliance.
- Water temperature raised above Legionella survival levels on every recirculation cycle.



DRV40

### THE BRAIN® DIGITAL RECIRCULATING VALVE (DRV)

Armstrong introduced digital water temperature control to the world with The Brain® Digital Recirculating Valve (DRV). Engineered exclusively for recirculating hot water systems, The Brain® simplifies your hot water system to deliver unparalleled accuracy, stability and safety. It offers programmable temperature alerts and a program to promote compliance with recommended Legionella guidelines.

#### Performance

- +/- 2°F / 1°C control
- 2°F / 1°C minimum system temperature loss

#### Smarts

- Component self-diagnostics
- Programmable set point & alerts
- Programmable Thermal disinfection

#### Safety

- Over temperature shutoff
- Power failure shutoff
- Emergency mode



DRV80

### SAGE™ SMART HOT WATER SYSTEM MONITORING AND REPORTING

This fully integrated software tool brings you the next level in smart hot water system monitoring and reporting. SAGE™ works seamlessly with all our real-time monitoring products, including The Brain®, as it analyzes data to track behavior and performance – ensuring full compliance with VA, ASHRAE and World Health Organization hot water system safety guidelines. By providing regular updates and real-time alerts, SAGE™ keeps you informed, 24 hours a day.

#### Connectivity

- Integral Modbus RTU interface (The Brain®)
- SAGE™ - Building System interface module

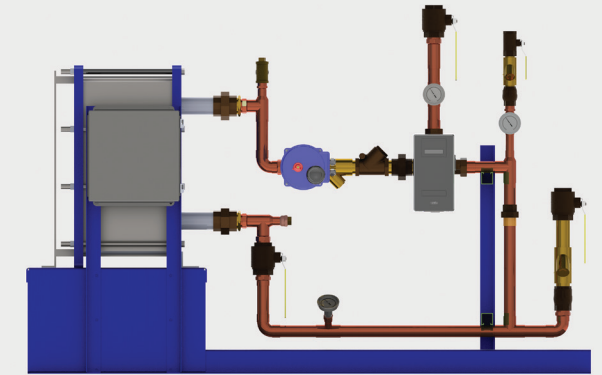
Web Enabled  
Modbus  
BACnet™  
LonWorks™



Consult the Armstrong International website for additional models, sizes, and custom solutions.

[armstronginternational.com/brain](http://armstronginternational.com/brain)

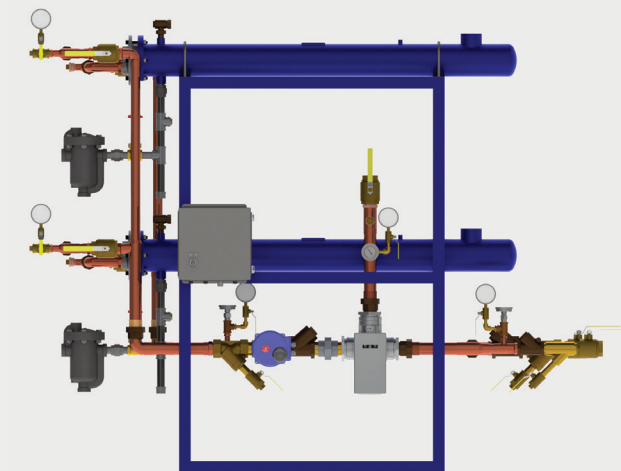
## Digital-Flo® Instantaneous Boiler Water/Water PHE Water Heater



### Pre-Piped Digital Hot Water Generation and Control Solutions

- Featuring The Brain® - ASSE 1017 certified Digital Recirculating Valve.
- Choose from 40 standard assemblies or customize.
- Optional SAGE™ Building System interface with integral data-logging to support AHSRAE 188 Monitoring and Reporting Compliance.
- No need for modulating pump control.

## Digital-Flo® Instantaneous Steam/Water Shell & Tube Water Heater



### Pre-Piped Digital Hot Water Generation and Control Solutions

- Featuring The Brain® - ASSE 1017 certified Digital Recirculating Valve.
- Separate steam control valve not required.
- Choose from 48 standard assemblies or customize.
- Optional SAGE™ Building System interface with integral data-logging to support AHSRAE 188 Monitoring and Reporting Compliance.
- Water temperature raised above Legionella survival levels on every recirculation cycle.



INTELLIGENT SOLUTIONS IN STEAM, AIR AND HOT WATER

**Armstrong International**

North America • Latin America • India • Europe / Middle East / Africa • China • Pacific Rim

[armstronginternational.com](http://armstronginternational.com)