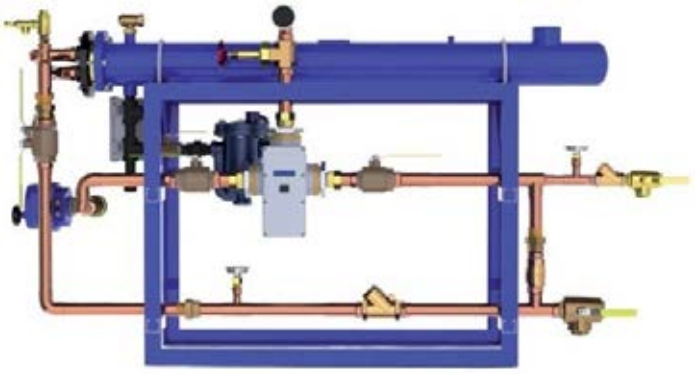
# Digital-Flo™

## Instantaneous Hot Water

Armstrong blends revolutionary digital water temperature control technology with instantaneous heat exchanger design to deliver Digital-Flo™, an industry changing series of water heaters.

Digital-Flo Instantaneous Water Heaters refine hot water system temperature accuracy to a level previously deemed unattainable. By constantly monitoring the digital re-circulating valve (DRV 80) inlet hot, inlet cold and system return water temperatures, Digital-Flo previews the hot water system dynamics to increase the speed of response to changes in demand.

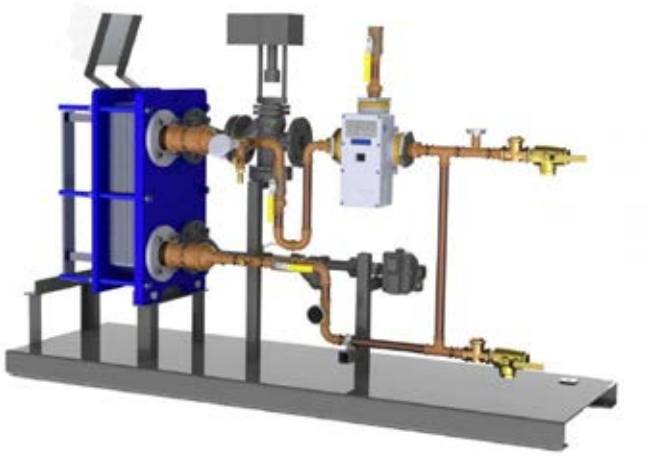
Capable of maintaining +/- 1°C temperature at system draw off between 0 and 37,5 $m^3$/hr., Digital-Flo delivers a “plug and play” hot water generation packaged solution which places effi ciency, energy savings and legionella risk reduction at the forefront of hot water system design, operation and maintenance.



**Digital Steam/Water - Shell & Tube**

## Armstrong Digital Technology

- Powered by low voltage electronics
- Faster response times eliminate the need for pneumatic controls
- Programmable high/low temperature alert function
- Programmable hot water system safety shutdown
- Component self-diagnostics
- Performance monitoring, data logging and reporting
- Integral building management system connectivity
- Simplified system commissioning



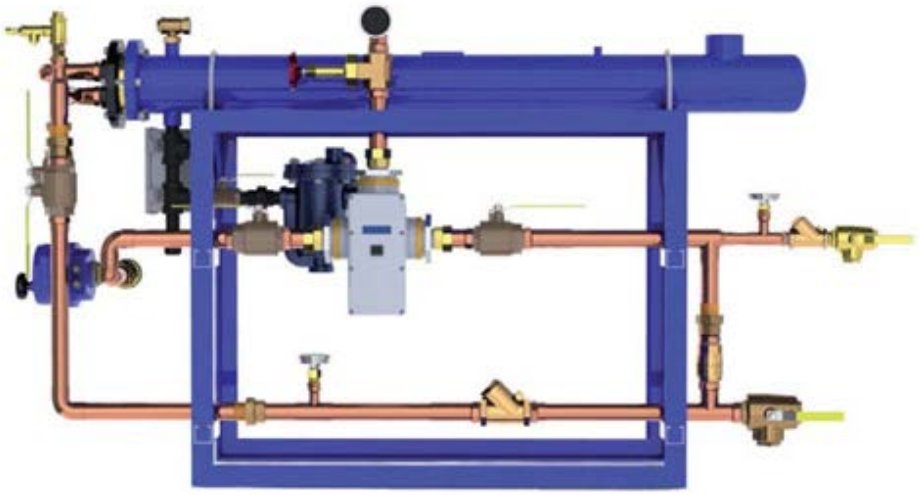
**Digital Steam/Water - Plate & Frame**
**Digital Water/Water - Plate & Frame**

## Armstrong Heat Exchange Technology

- Constant steam pressure prevents stall - no pump trap
- Low surface temperature option for hard water applications
- Instantaneous - No Storage
- Water raised above Legionella survival temperature

# Digital-Flo™

## Shell & Tube Heat Exchanger



| Digital Shell & Tube | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model | Secondary Side | | | Primary Steam Side | | | |
| | Connections | | Flow Rate | Connections | | Capacity @ 1 bar | Duty |
| | Hot/Cold (PN16) | Return (PN16) | Capacity @ 55°C Delta T | Steam Inlet (PN16) | Condensate (BSP) | | |
| D535 | DN40 | DN25 | 9,4 $m^3$/hr | DN65 | 1” | 991 kg/hr | 606 Kw |
| D535 P* | DN50 | DN25 | 16,7 $m^3$/hr | DN65 | 1” | 1716 kg/hr | 1077 Kw |
| D665 | DN50 | DN50 | 16,7 $m^3$/hr | DN80 | 1-1/4” | 1716 kg/hr | 1077 Kw |
| D665 P* | DV80 | DV50 | 37,5 $m^3$/hr | DV80 | 1-1/4” | 3965 kg/hr | 2424 Kw |
| D8120 | DN80 | DN50 | 37,5 $m^3$/hr | DN100 | 2” | 3965 kg/hr | 2424 Kw |
| D8120 P* | DN80 | DN50 | 37,5 $m^3$/hr | DN100 | 2” | 3965 kg/hr | 2424 Kw |

* Duty stand-by

| Digital Shell & Tube Double Wall | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model | Secondary Side | | | Primary Steam Side | | | |
| | Connections | | Flow Rate | Connections | | Capacity @ 1 bar | Duty |
| | Hot/Cold (PN16) | Return (PN16) | Capacity @ 55°C Delta T | Steam Inlet (PN16) | Condensate (BSP) | | |
| D535 DW | DN40 | DN25 | 9,4 $m^3$/hr | DN65 | 1” | 991 kg/hr | 606 Kw |
| D535 DW-P* | DN50 | DN25 | 16,7 $m^3$/hr | DN65 | 1” | 1716 kg/hr | 1077 Kw |
| D665 DW | DN50 | DN50 | 16,7 $m^3$/hr | DN80 | 1-1/4” | 1716 kg/hr | 1077 Kw |
| D665 DW-P* | DV80 | DV50 | 37,5 $m^3$/hr | DV80 | 1-1/4” | 3965 kg/hr | 2424 Kw |
| D8120 DW | DN80 | DN50 | 37,5 $m^3$/hr | DN100 | 2” | 3965 kg/hr | 2424 Kw |
| D8120 DW-P* | DN80 | DN50 | 37,5 $m^3$/hr | DN100 | 2” | 3965 kg/hr | 2424 Kw |

* Duty stand-by

**Maximum Allowable Steam Pressure = 1 bar, Maximum Allowable Water Pressure = 6 bar, Maximum Allowable Setpoint = 70°C**