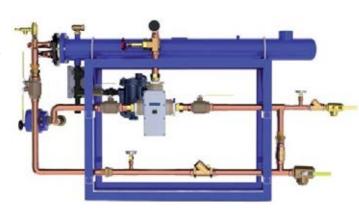


Armstrong blends revolutionary digital water temperature control technology with instantaneous heat exchanger design to deliver Digital-Flo™, an industry changing series of water heaters.

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 m³/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.



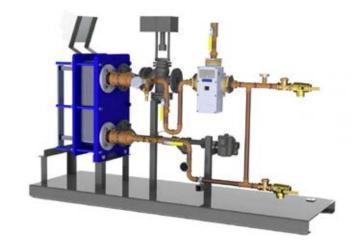
Digital Steam/Water - Shell & Tube

Armstrong Digital Technology

- · Powered by low voltage electronics
- Faster response times eliminate the need for pneumatic
- 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

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

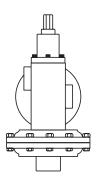


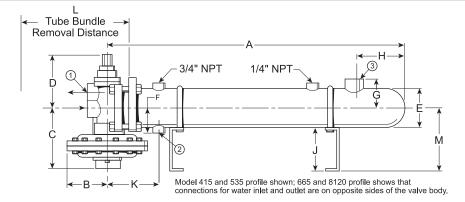


Flo-rite temp™

Instantaneous Steam/Water Heater







Model	665	and	8120	Valve

Dime	Dimensions																							
Model	A	4	В		С		D		Е		F		G		Н			J	K			L	M	l
Woder	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
415	54	1,372	4-1/2	114	7-1/2	190	7	178	4-1/2	114	3-5/16	84	3	76	7	178	6	152	6-1/4	159	50	1,270	7-1/2	190
535	67-1/2	1,715	5-1/4	133	8-5/8	219	9	229	5-9/16	141	4	102	3-11/16	94	7-7/8	200	7	178	7-1/2	191	62	1,575	9	229
665	82	2,083	5-3/4	146	10-3/8	264	10-3/8	264	6-5/8	168	4-5/8	117	4-9/16	116	9-1/4	235	8	203	8-3/4	222	74	1,880	11	280
8120	85	2,159	5-3/4	146	11-3/4	299	12	305	8-5/8	219	6	152	8-7/8	225	9-1/2	241	8	203	9-1/2	241	74	1,880	12-3/8	314

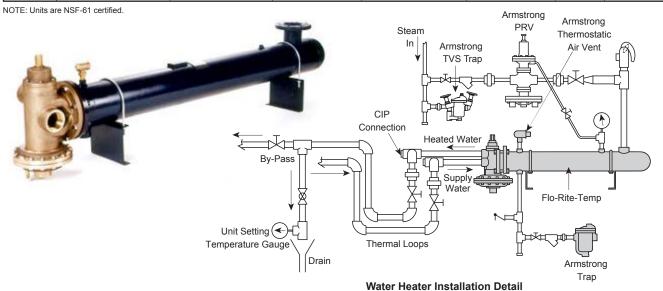
Conne	Connections and Weights										
		Maint									
Model	1	2	3	Weight							
	in (mm)	in (mm)	ib (mm)	lb	kg						
415	1 (25) NPT	3/4 (20) NPT	2 (50) NPT	133	60						
535	1-1/2 (40) NPT	1 (25)NPT	2-1/2 (65) NPT	235	107						
665	2 (50) NPT*	1-1/4 (32) NPT	3 (80) NPT	358	162						
8120	3 (80) NPT*	2 (50) NPT	4 (100) 150# ANSI	585	265						

*665 and 8120 connections for water inlet and outlet are on opposite	eidee of the valve hody
ood and o 120 connections for water finet and outlet are on opposite	sides of the valve body.

Specifications									
Application	Steam Supply	Water Supply	Maximum Water						
	Pressure	Pressure	Pressure Drop						
Steam to Water	2 - 15 psig	20-150 psig	10 psig						
	(0.14 - 1.0 bar)	(1.4 - 1.0 bar)	(0.7 bar)						

NOTE: Reusable insulation wraps available.

Materials										
Body	Valve	Valve Seats	Diaphragm	Heat Exchanger Shell	Heat Exchanger Tubles	Tube Sheets	Tube Bundle End Cap			
	(415) 303 Stainless	(415/535)	Viton®GF	Carbon Steel	= (0)	Brass				
Bronze	Steel w/ Teflon Inserts	303 Stainless Steel	Reinforced	ASTM SA 106-B	5/8" 16 BWG Admiralty Brass		Brass			
	(535/665/8120) Brass	(665/8120) Brass	w/Nomex® Fiber	ASME "U" Stamped	Autilially blass					



The Flo-Rite-Temp® models identified in the submittal table below are provided, as standard, with an Armstrong steam trap and thermostatic air vent (shaded). All other items indicated, are shown for water heater installation detail only.

For pre-piped packaged Flo-Rite-Temp® water heater assemblies, refer to pages 14-26.