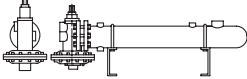
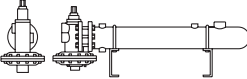
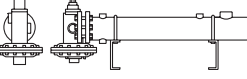
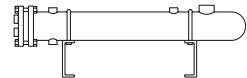
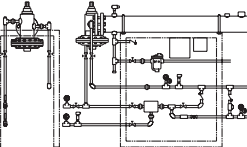


Flo-Rite-Temp™										
Illustration	Type	Fluid	Connection Type	Max. Allow. Press.	TMA °F	Body Material	Model	Max. Oper. Press.	Connection Size	Located on Page
	Flo-Rite-Temp Steam to Water Instantaneous Water Heater (Single-Walled Exchanger)	Steam and Water	NPT	150 psi (Steam)	300	Bronze (Valve)	415	125	1" Water	HWS-8
			NPT				15	2" Steam		
			NPT	225 psi (Water)			535	125	1-1/2" Water	
			NPT				15	2-1/2" Steam		
			NPT (Water) ANSI 150 (Steam)	665			125	2" Water		
			NPT (Water) ANSI 150 (Steam)				15	3" Steam		
NPT (Water) ANSI 150 (Steam)	8120	125	3" Water							
NPT (Water) ANSI 150 (Steam)	15	4" Steam								
	Flo-Rite-Temp Steam to Water Instantaneous Water Heater (Double-Walled Exchanger)	Steam and Water	NPT	150 psi (Steam)	300	Bronze (Valve)	415DW	125	1" Water	HWS-9
			NPT				15	2" Steam		
			NPT	225 psi (Water)			535DW	125	1-1/2" Water	
			NPT				15	2-1/2" Steam		
			NPT (Water) ANSI 150 (Steam)	665DW			125	2" Water		
			NPT (Water) ANSI 150 (Steam)				15	3" Steam		
NPT (Water) ANSI 150 (Steam)	8120DW	125	3" Water							
NPT (Water) ANSI 150 (Steam)	15	4" Steam								
	Flo-Rite-Temp Steam to Water Instantaneous Water Heater (Single-Walled, All Stainless Steel Wetted Parts)	Steam and Water	NPT	150 psi (Steam)	300	316 Stainless Steel (Valve) Carbon Steel Shell with 316L Stainless Steel Tube Bundle (Heat Exchanger)	665 SS	125	2" Water	HWS-11
			NPT				15	3" Steam		
			NPT (Water) ANSI 150 (Steam)	8120 SS			125	2" Water		
			NPT (Water) ANSI 150 (Steam)				15	4" Steam		
	Flo-Rite-Temp Shell and Tube Steam to Water Instantaneous Heat Exchanger	Steam and Water	NPT	150 psi (Steam)	375	Cast Iron (Stainless Optional) (Head) Carbon Steel Shell with Admiralty Brass Tube Bundle (Stainless Optional) (Heat Exchanger)	442ST	225	1-1/4" Water	HWS-13
			NPT				150	2" Steam		
			NPT	225 psi (Water)			552ST	225	1-1/2" Water	
			NPT				150	2-1/2" Steam		
			NPT (Water) ANSI 150 (Steam)	662ST			225	2" Water		
			NPT (Water) ANSI 150 (Steam)				150	3" Steam		
NPT (Water) ANSI 150 (Steam)	862ST	225	3" Water							
NPT (Water) ANSI 150 (Steam)	150	4" Steam								
	Flo-Rite-Temp with The Brain and Complete Building Automation System Interface Solution (BASIS)	Steam and Water	NPT	150 psi (Steam)	300	Bronze (Valve) Carbon Steel Shell with Admiralty Brass Tube Bundle (Heat Exchanger)	415	125	1" Water	HWS-19
							15	2" Steam		
							535	125	1-1/2" Water	
							15	2-1/2" Steam		
			665	125			2" Water			
				15			3" Steam			
			8120	125			3" Water			
				15			4" Steam			

Water Heaters and Water Temperature Controls ID Charts



Water Heaters and Accessories										
Illustration	Type	Fluid	Connection Type	Max. Allow. Press.	TMA °F	Body Material	Model	Max. Oper. Press.	Connection Size	Located on Page
	Clean-In-Place Scale Removal System	Rite-Qwik Scale Solvent	NPT	Atmospheric	140	Teflon Coated Cast Iron (Pump) Polypropylene (Tank) PVC (Pipe & Hose)	CIP	Atmospheric	1"	HWS-23
	Flo-H ₂ O™ Water to Water Instantaneous Water Heater (Single-Walled Plate and Frame Exchanger)	Boiler Water and Domestic Water	NPT	125 psi	200	Bronze (Valve)	40	125	2" Boiler 2" Domestic 1-1/4" Recirc.	HWS-24
			NPT			Brass (Piping) Stainless Steel (Heat Exchanger Plates)	70	125	2-1/2" Boiler 2" Domestic 1-1/4" Recirc.	
			NPT			Cast Iron (Actuator)	100	125	3" Boiler 3" Domestic 1-1/4" Recirc.	
	Flo-H ₂ O™ Water to Water Instantaneous Water Heater (Double-Walled Plate and Frame Exchanger)	Boiler Water and Domestic Water	NPT	125 psi	200	Bronze (Valve)	40	125	2" Boiler 2" Domestic 1-1/4" Recirc.	
			NPT			Brass (Piping) Stainless Steel (Heat Exchanger Plates)	70	125	2-1/2" Boiler 2" Domestic 1-1/4" Recirc.	
			NPT			Cast Iron (Actuator)	100	125	3" Boiler 3" Domestic 1-1/4" Recirc.	
	MS-6 Noiseless Heater	Steam	NPT	100 psi	190	304 Stainless Steel	MS-6	100	1/2", 3/4", 1", 1-1/4", 1-1/2", 2"	HWS-27

Flo-Direct®										
Illustration	Type	Fluid	Conn. Type		Body Material	Model	Gas Conn.	Water Conn.	Located on Page	
			Gas	Water						
	Flo-Direct Direct Fired Water Heater	Natural Gas and Water	NPT	NPT	Stainless Steel	1000	1"	1"	HWS-33	
						1500	1"	1"		
						3000	1-1/2"	1-1/2"		
						5000	2"	2-1/2"		
						7000	2"	3"		
						9000	2-1/2"	3"		
						11000	3"	4"		
						15000	3"	4"		
						18000	3"	4"		
						25000	4"	6"		

VFD Pump Package										
Illustration	Type	Fluid	Conn. Type		Body Material	Model	Water Conn.		Located on Page	
			Gas	Water			Inlet	Outlet		
	VFD Pump Package	Water	ANSI 150# Flanged	NPT	Cast Iron/ Bronze Fitted	VFD-50	1-1/2"	2"	HWS-36	
						VFD-100	3"	2 1/2"		
						VFD-175	3"	3"		
						VFD-250	3"	4"		

Balancing Valves															
Illustration	Type	Body Pattern	Conn. Type	Max. Allow. Press. psig	TMA °F	Body Material	Model	Max. Oper. Press. psig	Connection Size						Located on Page
									1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	
	ABV-VS Balancing Valve	Straight	Sweat	250	250	Bronze	ABV-VS	250	●	●	●	●	●	●	HWS-37
	ABV-VT Balancing Valve	Straight	Threaded	250	250	Bronze	ABV-VT	250	●	●	●	●	●	●	
	ABV-G Balancing Valve	Straight	Grooved	375	230	Ductile Iron	ABV-G	375	●	●	●	●	●	●	HWS-38
			ANSI 125	250				●	●	●	●	●	●		
			ANSI 250	375				●	●	●	●	●	●		
	ABV-A Balancing Valve	Angle	Grooved	375	230	Ductile Iron	ABV-A	375	●	●	●	●	●	●	
			ANSI 125	250				●	●	●	●	●	●		
			ANSI 250	375				●	●	●	●	●	●		

Hot Water Solutions



Armstrong® Industrial Sanitation, Safety & Process Control ID Charts

Hot Water Solutions

STEAMIX® Hose Stations and Mixing Units																	
Illustration	Type	Connections NPT	Body Material	Model	Max. Flow Rate gpm	Max. Inlet Press. psig	Check Valves	Flow Controls	Hose Rack	Spray Nozzle	Shutdown Feature	Hose	Located on Page				
	Steam & Water Mixing Unit	3/4"	Bronze/ Nickel Plated	VE/VES	9*	150		●	▲	▲	●	▲	HWS-43				
				2030/2030S						●			●		HWS-45		
				2031/2031S						●			●			HWS-46	
	Steam & Water Hose Station			2032/2032S						●	●		●			HWS-47	
				2033/2033S						●	●	●	●	●	●		HWS-48
Hot & Cold Hose Stations and Mixing Units																	
	Hot & Cold Water Mixing Unit	3/4"	Chrome Plated Brass	3031/3031S	24†	150	S only	●			●		HWS-51				
	Hot & Cold Water Hose Station			3032/3032S					●	●		●		●		HWS-51	
				3033/3033S					●	●	●		●		●		HWS-52
				3401					●	●			●				HWS-53
				3403					●	●	●	●	●	●	●	●	
Steam/Water Mixing Valves																	
	Steam/Water Mixing Valves	1" x 1-1/4"	Chrome Plated Brass	A55	19*	100		●					HWS-55				
		1-1/2"		566	62*			●						HWS-56			
		2"		TS202	86*			●						HWS-57			
MegaMix™ Water Temperature Mixing Unit																	
	Electronically Actuated Water Temperature Mixing Units	3/4" x 1"	Stainless Steel	E20W	36**	145					●		HWS-59				
		1" x 1-1/4"		E25W	56**						●		HWS-60				
		1-1/2" x 1-1/2"		E40W	88**						●		HWS-61				
		2" x 2-1/2"		E50W	213**						●		HWS-62				
		3" ASME B16.5 Class 150 Flg.		E80W	644**	232					●		HWS-63				
MegaMix™ Steam/Water Temperature Mixing Unit																	
	Electronically Actuated Steam/Water Temperature Mixing Units	1" x 1-1/4"	Stainless Steel	E25S	36**	145					●		HWS-64				
		1-1/2" x 1-1/2"		E40S	60**						●		HWS-65				
		2" x 2-1/2"		E50S	119**						●		HWS-66				
Flow Indicators																	
	Ball Flow Indicators	1/2"	Brass	FIB-003-02-STD	7††	100							HWS-74				
			Stainless Steel	FIB-003-31		200											
				FIB-003-30 High Pressure		300											
		3/4"	Brass	FIB-003-25	16††	100											
				FIB-003-28	26††												
1"																	
Accessory Products																	
	Washdown Equipment & Accessories	3/4"	Stainless Steel	F/SMCD Cabinet Assembly	—	—	●	●	●	●	●	●	HWS-49				
		1/2"	See Specification	038 Spray Nozzle	16	150				●			HWS-75				
		3/4" x 1/2"		035 Washdown Hose	—						●		HWS-77				
		3/4"	Enameled Steel/ Stainless Steel	047 Hose Reel	—									HWS-78			

▲ Possible additions for VE units.
 *Valve only at 100°F
 **Cold Water Capacity @ 20 psi drop.
 † 45 psi pressure drop to open outlet
 †† 9 feet per second flow velocity