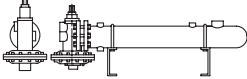
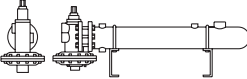
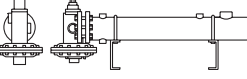
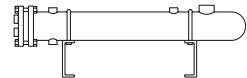
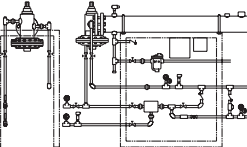


Flo-Rite-Temp™										
Illustration	Type	Fluid	Connection Type	Max. Allow. Press.	TMA °F	Body Material	Model	Max. Oper. Press.	Connection Size	Located on Page
	Flo-Rite-Temp Steam to Water Instantaneous Water Heater (Single-Walled Exchanger)	Steam and Water	NPT	150 psi (Steam)	300	Bronze (Valve)	415	125	1" Water	HWS-8
			NPT				535	15	2" Steam	
			NPT				535	125	1-1/2" Water	
			NPT				535	15	2-1/2" Steam	
			NPT	225 psi (Water)		665	125	2" Water		
			NPT (Water) ANSI 150 (Steam)			665	15	3" Steam		
			NPT (Water) ANSI 150 (Steam)			8120	125	3" Water		
			NPT (Water) ANSI 150 (Steam)			8120	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				535DW	15	2" Steam	
			NPT				535DW	125	1-1/2" Water	
			NPT				535DW	15	2-1/2" Steam	
			NPT	225 psi (Water)		665DW	125	2" Water		
			NPT (Water) ANSI 150 (Steam)			665DW	15	3" Steam		
			NPT (Water) ANSI 150 (Steam)			8120DW	125	3" Water		
			NPT (Water) ANSI 150 (Steam)			8120DW	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				665 SS	15	3" Steam	
			NPT (Water) ANSI 150 (Steam)	8120 SS			125	2" Water		
			NPT (Water) ANSI 150 (Steam)	8120 SS			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				442ST	150	2" Steam	
			NPT				552ST	225	1-1/2" Water	
			NPT				552ST	150	2-1/2" Steam	
			NPT	225 psi (Water)			662ST	225	2" Water	
			NPT (Water) ANSI 150 (Steam)				662ST	150	3" Steam	
			NPT (Water) ANSI 150 (Steam)				862ST	225	3" Water	
			NPT (Water) ANSI 150 (Steam)				862ST	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
			NPT				415	15	2" Steam	
			NPT				535	125	1-1/2" Water	
			NPT				535	15	2-1/2" Steam	
			NPT				665	125	2" Water	
			NPT	225 psi (Water)			665	15	3" Steam	
			NPT (Water) ANSI 150 (Steam)				8120	125	3" Water	
			NPT (Water) ANSI 150 (Steam)				8120	15	4" Steam	
			NPT (Water) ANSI 150 (Steam)				8120	125	3" Water	
			NPT (Water) ANSI 150 (Steam)				8120	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		
	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
				3032/3032S				●	●		●		HWS-51
	3033/3033S			●				●	●		●	●	HWS-52
	3401			●				●		●		HWS-53	
	3403			●				●	●	●	●	HWS-54	
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							
			Brass	FIB-003-30 High Pressure		300							
		3/4"	Brass	FIB-003-25	16††	100							
			1"	FIB-003-28	26††								
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