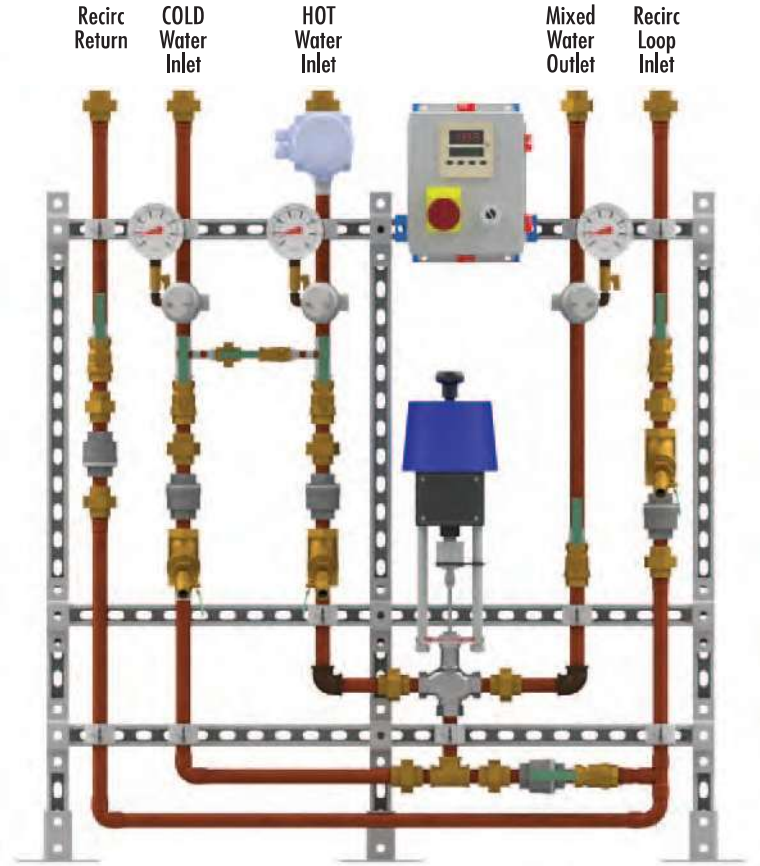
Model	WMS Series
Wetted Materials	Copper, Lead-free Brass, and 316L Stainless Steel
Capacities:	Up to 300 GPM
Connections	Threaded Unions
PMO Max Operating Pressure	150 PSIG
Pressure/ Temperature Ratings	150 PSIG @ 250°F



Typical Applications

The **WMS Series** Mixing Station provides extremely accurate and precise hot water temperature control in pumped hot water recirculation systems. It is typically installed directly after a domestic water heating source such as a Heat Miser to monitor and control a consistent hot water outlet temperature. Circulating hot water in the facility flows through the mixing station while sensors monitor the water temperature. Hot water from the Heat Miser and a separate cold water source connect to the 3-way blending valve. When the circulating water temperature falls below the set point, the 3-way valve modulates to allow more hot water from the Heat Miser in to raise the recirculation loop temperature. Conversely, if the recirculation loop temperature exceeds set point the 3-way valve modulates to allow more cooling water in to reduce the temperature. Therefore, the WMS Mixing Station can help reduce cycling of the supply control valve installed to the main water heating source resulting in more accurate and consistent water temperature control. A PID controller with color display is included which also supports communication protocols for Modbus and BACnet for remote monitoring and control.

Features

- Maintains +/-2°F at downstream point of service, min 25 ft.
- Programmable set temperature, 80-180°F
- Controller includes data logging, color display, & Modbus/ BACnet
- Pre-wired for 120vac power supply
- Fail-safe got water shut-off on loss of power or loss of cold water
- High and Low temperature alarms
- Keylock thermal sanitation cycle to kill bacteria (Legionella)
- Optional high limit hot water isolation
- 150 PSIG max pressure at 250°F
- Wetted materials: copper, lead-free brass and 316L stainless steel
- Assembled on a frame for wall mount or optional floor mount

Model	DIMENSIONS					Max GPM @ Pressure Drop		
	Connections Valve Size NPT	Recirc. Inlet NPT	Recirc. Return NPT	Length in.	Width in.	5 PSI	10 PSI	20 PSI
WMS-13	3/4″	1/2″	1/2″	55.5	48	12	18	26
WMS-14	1″	1″	1″	55.5	48	20	30	40
WMS-16	1 1/2″	1″	1″	65	60	45	60	85
WMS-17	2″	1 1/2″	1″	65	60	90	115	180
WMS-18	2 1/2″	2″	1 1/2″	75	72	155	215	300