



Armstrong® Thermostatic Steam & Water Mixing Valve

TS202

TS202 Thermostatic Mixing Valve of chrome-plated brass construction with stainless alloy internal operating mechanism. The TS202 uses bimetal thermostatic technology to automatically proportion inlet steam and water supplies to achieve and maintain a desired outlet temperature. The TS202 is equipped with an integral, site adjustable, maximum temperature (ΔT) fix point. With flow rates up to 70 gpm* (265 lpm), the TS202 is an economical alternative to hot water storage or central heat exchange systems by using existing plant steam to heat water instantly at the point of use. The TS202 has 2" (50 mm) NPT inlets and a 2" (50 mm) NPT outlet, and is supplied with 2" (50 mm) ball valves for inlet flow control. Check valves recommended.

*Based upon 60 psi (4 bar) equal inlet steam and water supplies with a 100°F (55°C) temperature rise.

Important: For optimum performance the TS202 should be allowed to operate at maximum flow with nominally equal inlet supply pressures and should **not** be installed with either outlet flow control or an outlet restriction (spray nozzle, washdown hose, etc).

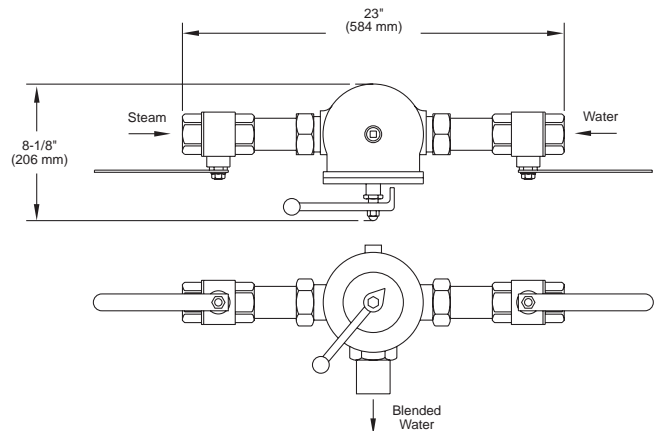
Warning: The TS202 is designed for industrial process applications only and *may pass live steam* under certain circumstances.

Technical Specifications

- 2" (50 mm) NPT inlets. 2" (50 mm) NPT outlet
- DZR brass/stainless alloy construction
- Operating pressures for steam and water
 - Maximum: 100 psi (7 bar)
 - Minimum: 20 psi† (1.4 bar)
- Inlet check valves recommended
- Shipping weight 38 lbs (17 kg)

† Low steam pressures reduce flow rates. Always refer to flow tables and calculations to ensure complete satisfaction.

For a fully detailed certified drawing, refer to CDLW #1045.



Hot Water Solutions

TS202 Flow Rates (gpm)					
Temperature Rise °F	Maintained Equal Inlet Pressure, psi				
	20	40	60	80	100
55	77	109	127	146	156
75	56	80	93	107	115
100	42	60	70	80	86
135	31	44	52	60	64

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.

