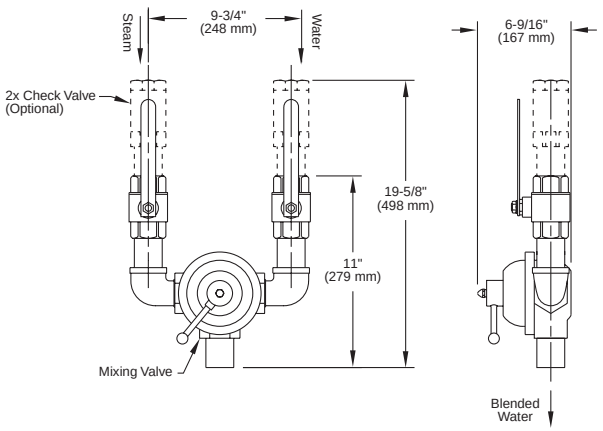
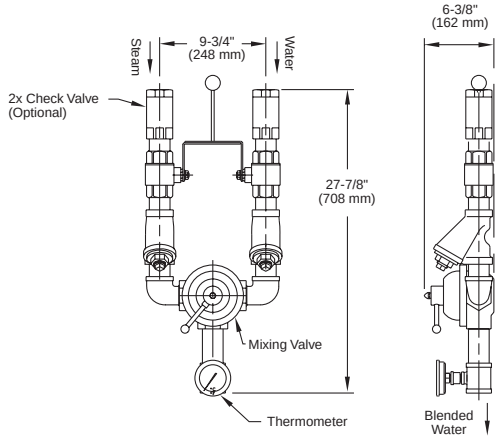
Thermostatic Steam & Water Mixing Valve



566



566T

566

566 Thermostatic Mixing Valve of chrome-plated brass construction with stainless alloy internal operating mechanism. The 566 uses bimetal thermostatic technology to automatically proportion inlet steam and water supplies to achieve and maintain a desired outlet temperature. The 566 is equipped with an integral, site adjustable, maximum temperature (ΔT) fix point. With flow rates up to 48 gpm* (181 lpm), the 566 is the economical alternative to hot water storage or central heat exchange systems by using existing plant steam to heat cold water instantly at the point of use. The 566 has 1-1/2" (40 mm) NPT inlets and a 1-1/2" (40 mm) NPT outlet, and is supplied with 1-1/2" (40 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 566 should be allowed to operate at full 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 566 is designed for industrial process applications only and may *pass live steam* under certain circumstances.

Technical Specifications

- 1-1/2" NPT (40 mm) inlets/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: Model 566 22 lbs (10 kg)
  Model 566T 44 lbs (20 kg)

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

For a fully detailed certified drawing of 566, refer to CDLW #1044.

For a fully detailed certified drawing of 566T, refer to CDLW #1009.

566 Flow Rates (gpm)					
Temperature Rise °F	Maintained Equal Inlet Pressure, psi				
	20	40	60	80	100
55	50	73	87	100	112
75	37	53	64	73	82
100	28	40	48	55	62
135	20	30	35	41	46

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