

Pottstown, PA 19464

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INSTALLATION

A pipeline strainer should be installed ahead of any trap to protect the seat from dirt and scale. (See Fig. 1) Install trap at low point of equipment with a collecting leg before the trap. For best operation, the trap should be installed with the bellows in the vertical position.

REPAIR & MAINTENANCE

Close isolation valves and allow the trap to cool down before disassembly to prevent over expansion damage to bellows. The thermostatic bellows is the only moving part. The ball and seat must be clean for tight shutoff.

At room temperature the bellows should be contracted away from seat. If defective, the bellows usually remains slightly expanded at room temperature and does not move when placed ion boiling water.

When replacing the trap seat, make sure the gasket is in place and the seat is torqued down tight.

MAX. ALLOW. CONDITIONS

PMO	TT25B	25 PSIG
	TT125	125 PSIG
тмо	Sat. Ste	eam Temp.
PMA	125 PSI	G @ 450°F
ТМА	450°F @	

How to Order Repair Kits

State trap size and working pressure.

Example:

Kit number for 1/2" TT125 on 90 psig service would be TT-12-125



SERIES TT25B & TTI25 THERMOSTATIC STEAM TRAP INSTALLATION INSTRUCTIONS

INSTRUCTION PART NO. 2239100

REVISION 1

How IT WORKS

The thermostatic element is partially filled with a volatile liquid and hermetically sealed at the factory. This liquid vaporizes at a temperature slightly below the boiling point of water.

When cool, the trap is wide open, permitting air to be rapidly removed from the system and steam to fill the heating space. The trap remains open for the discharge of air and condensate. As condensate and steam warm the system, the liquid in the element vaporizes and expands, pushing the ball closer to the seat. When the temperature approaches that of steam, internal pressure in the element exceeds the external pressure in the trap body, causing the element to expand further and push the ball tightly into the seat.

Conversely, the accumulation of cool condensate in the trap causes the element fill to liquefy which contracts the element, opening the flow path through the trap and discharging the condensate and air.



Cover Forged Brass, CA 337 Spring. Stainless Steel, AISI 304 Shim. Copper, ASTM B152 Element. Stainless Steel, AISI 304 Seat. Brass, ASTM B 21* Gasket Brass. ASTM B 21 Body Forged Brass, CA 377 Union Nipple. . . . Brass, ASTM B 16 Union Nut Brass, ASTM B 16



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