

GENERAL REPAIR AND MAINTENANCE:

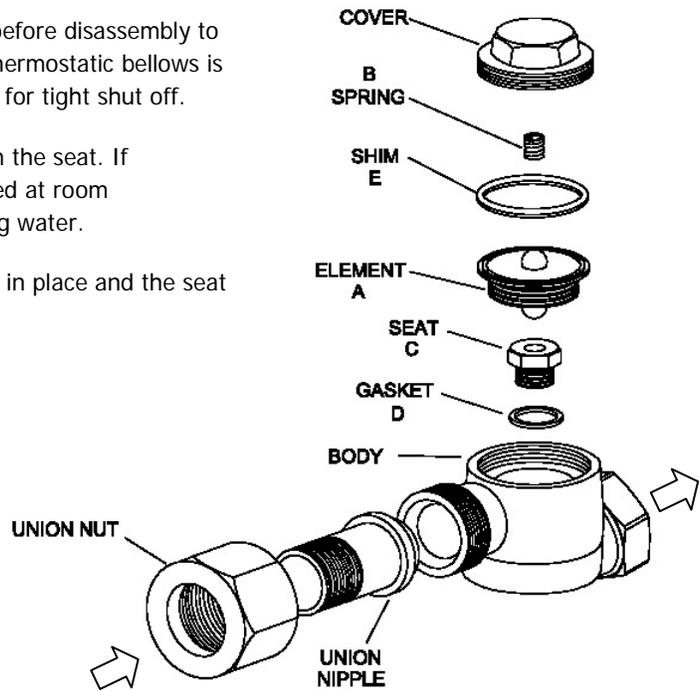
Close isolation valve and allow the trap to cool down before disassembly to prevent over expansion damage to the bellows. The thermostatic bellows is the only moving part. The ball and seat must be clean for tight shut off.

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

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

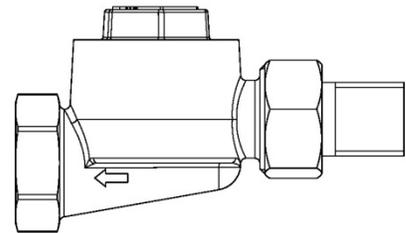
AVAILABLE SPARE PARTS:

	1/2" TS25B/TS125	3/4" TS25B/TS125
Element (A)	X	X
Spring (B)	X	X
Seat (C)	X	X
Gasket (D)		X
Shim Washer (E)	X	X



428 Jones Boulevard
Limerick Airport Business Center
Pottstown, PA 19464
Phone: (610)495-5131
Fax: (610)495-5134
www.watsonmcdaniel.com

**THERMOSTATIC
STEAM TRAPS
SERIES TS25B/TS125
USED FOR CONDENSATE REMOVAL**



INSTALLATION INSTRUCTIONS:

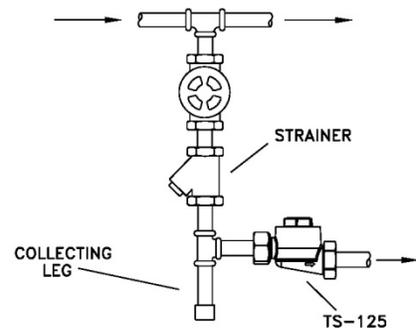
A pipeline strainer should be installed ahead of any trap to protect the head and seat from dirt and scale. Install at low point of equipment with a collecting leg before the trap. For optimum operation, the trap should be installed with the bellows in a vertical position. For freezeproof installation, lines must be pitched toward the trap for gravity flow. Make certain the trap outlet is unobstructed.

OPERATION:

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

The accumulation of cool condensate in the trap causes the bellows fill to liquefy and the bellows to contract. This opens the flow path through the trap permitting the discharge of condensate.

For more detailed installation instruction, see full service manual online at watsonmcdaniel.com or call the factory at 610-495-5131.



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