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SERIES WD900S THERMODYNAMIC STEAM TRAP INSTALLATION INSTRUCTIONS

INSTRUCTION PART NO. 2259600 REVISION 5

HOW IT WORKS

The Thermodynamic steam trap cycles periodically to discharge condensate very near to steam temperature.

It is unaffected by waterhammer or superheat.
 An insulating cover minimizes the effect of ambient conditions.

INSTALLATION

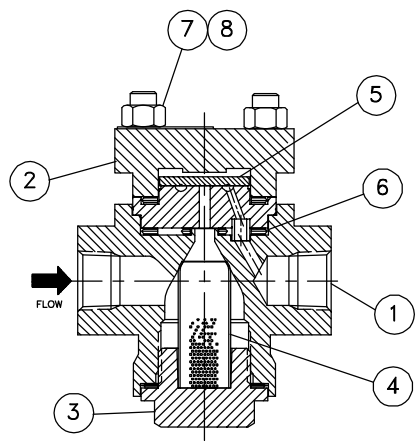
The trap will operate in any position, but the preferred installation is in a horizontal pipe with the insulating cover up.

Install the trap with the flow direction as indicated on the body.

Before installing the trap, blow out piping to remove all scale and dirt. Install isolation valves upstream & downstream of the trap.

Inlet and outlet plping must be large enough to handle condensate flow.

Arrange plping to provide gravity flow to the trap.



- 1. BODY ALLOY STEEL, GR WC9
SEAT 420S
- 2. COVER ALLOY STEEL, GR WC9
- 3. STRAINER CAP. ALLOY STEEL, GR WC9
- 4. STRAINER 300 SERIES SS
- 5. DISC 420 SS
- 6. GASKET 304 SS
- 7. STUDS SA-193, GR B7
- 8. NUTS SA-194, GR 2H

MAINTENANCE INSTRUCTIONS

Isolate trap from both supply and return line pressures.

Wait until trap can be comfortably touched by hand before any servicing is performed.

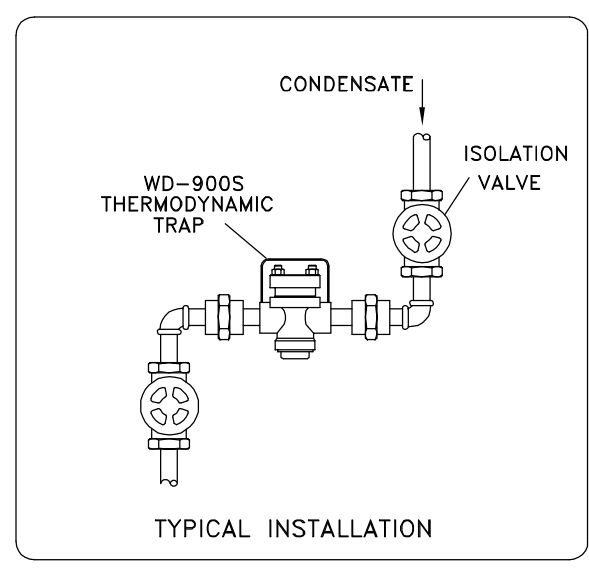
The trap should be disassembled periodically for cleaning of the strainer screen and inspection and cleaning of the disc and seat.

To clean disc and seat remove cover and wipe disc and seat surfaces with cleaning solvent.
 CAUTION: Never use any abrasives on disc or seating surface.

If replacement of the seat & disc capsule is necessary, specify kit number W-KIT-900-SDA.

To clean the strainer remove strainer cap and strainer and rinse strainer of any accumulated debris.

Reassemble: Torque strainer cap to 70 ft-lbs and cover nuts to 50 ft-lbs.



MAX. OPERATING CONDITIONS

- PMO 900 PSIG
- PMA 1500 PSIG @ 100°F
- TMO 842°F
- TMA 842°F @ 981 PSIG

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Remove trap from line.



Remove cover nuts & cover.



Inspect & clean disc.



Inspect gaskets.



Clean seat with soft rag.



Remove strainer cap.



Inspect strainer cap gasket.



Inspect and clean strainer.



Blow any debris from body.

Reassemble after cleaning and inspecting all parts. Replace gaskets as necessary. Run a soap bubble test with low pressure air to confirm all seals are good before reinstalling in service.