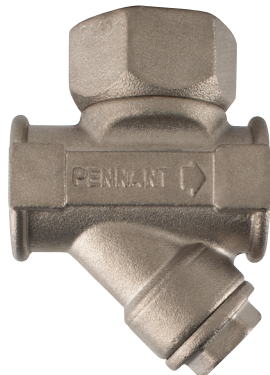
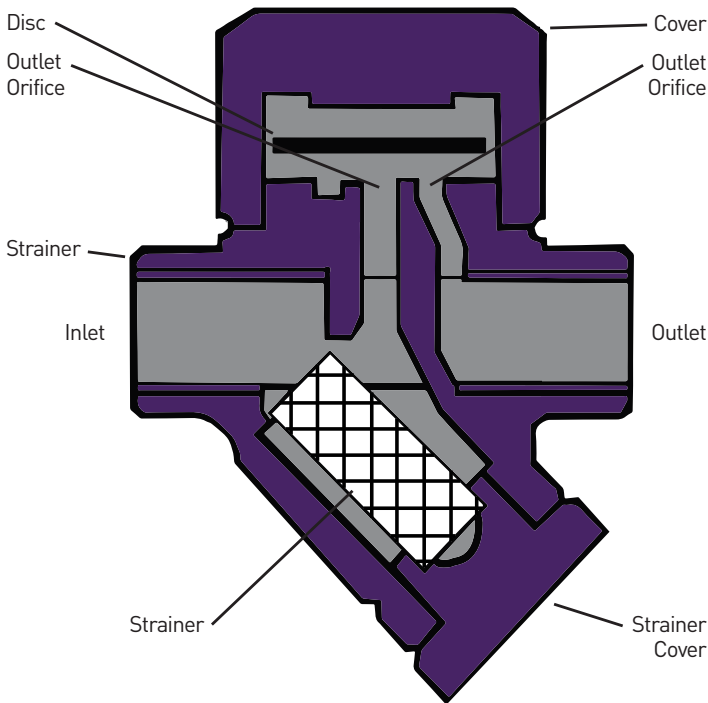




THERMODYNAMIC DISC TRAP TROUBLESHOOTING GUIDE

**MOST "TRAP" TROUBLES ARE
ACTUALLY STEAM SYSTEM ISSUES.**



ISSUE: TRAP IS COLD- NO DISCHARGE

PRESSURE MAY BE TOO HIGH

- Reducing valve may be out of order
- Trap orifice enlarged from wear
- The pressure going to trap was increased, without adjusting the orifice size in the trap
- Pressure gauge from boiler malfunctioning - giving a lower reading
- Higher vacuum in return line creates increased pressure differential, not allowing the trap to activate

THERE IS NO CONDENSATE OR STEAM COMING TO THE TRAP

- Plugged strainer ahead of trap
- Failed valve ahead of trap
- Elbow joints or pipe line clogged

THE TRAP HAS A FAULTY INTERNAL MECHANISM

- Part will need to be replaced

BODY OF TRAP IS FILLED WITH DEBRIS

- Remove dirt
- Clean strainer in trap if applicable
- Install strainer prior to tap

TRAP MAY BE INSTALLED BACKWARDS

ISSUE: HOT TRAP - NO DISCHARGE

NO CONDENSATE COMING TO TRAP

- Trap installed above a leaking by-pass valve
- Broken syphon pipe in a syphon drained cylinder
- Vacuum in water heater coils preventing drainage. Install a vacuum breaker between heat exchanger and trap

ISSUE: HOT TAPS - STEAM LOSS

VALVE NOT SEATING

- Dirt stuck in orifice
- Worn parts in trap

ISSUE: CONTINUOUS FLOW

TRAP IS TOO SMALL

- A larger trap or additional traps in line are needed

ABNORMAL WATER CONDITIONS

- Boiler is foaming or priming, causing extra water into steam lines. Correct feed water conditions

ISSUE: TRAP WORKS, BUT UNITS ARE NOT HEATING PROPERLY

Traps needed on each unit. Install traps on each unit

Traps may be too small for the job - install the next size trap

ISSUE: TRAP WORKS WHEN NOT CONNECTED TO RETURN LINE, BUT FAILS WHEN CONNECTED TO RETURN LINE

BACKPRESSURE REDUCES TRAPS CAPACITY

- Return line is too small (trap will be hot)
- Other traps blowing live steam (trap will be hot)
- Blockage in return line (trap will be hot)
- Excessive vacuum in return line (trap will be cold)