

DS100/DS110 THERMOSTATIC STEAM TRAPS

Pressures To 150 PSIG (10.3 barg)
Temperatures to 366°F (186°C)

Stainless Steel Body—Body materials of all models are Type 316L Stainless Steel.
Self Centering Valve—Leak tight shut off. Assembly of actuator and valve to impingement plate allows valve to self-align with center of valve seat orifice. Provides long lasting valve and seat.

Temperature Sensitive Actuator—316L Stainless welded actuator for maximum corrosion, thermal and hydraulic shock resistance. One moving part.
Thermal and Hydraulic Shock Resistant—Impingement plate plus welded construction prevents damage to actuator.

Long Life Valve and Seat—Stainless steel valve and seat matched together for water tight seal.
Maintenance—All models are sealed and maintenance free.

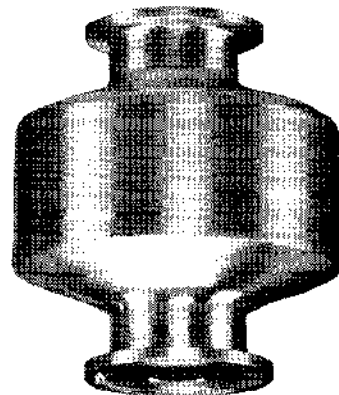
Directional Discharge—Erosion prevented by directing discharge into the center of pipe or tubing.
Best Air Handling Capacity—Fast start up and operation.
Fast Response—Quickly adjusts to condensate load or temperature changes.

One Size Suits Most Services—Universal ferruled end connection fits both 1/2" and 3/4" piping.
Two Year Guarantee—Trap guaranteed for two years against defects in material or workmanship.

MODELS

- **DS100**—Ferrule clamp end 1½" OAL
- **DS100TE**—Tube end
- **DS110**—Ferrule clamp end 2½" OAL

NOTE: Please specify if Material Test Reports (MTR) or Certificates of Conformance (COC) are required.



APPLICATIONS

- CIP/SIP System Condensate Drainage
- Sterilization of Process Vessels
- Culinary Steam
- Humidifiers
- WFI System Sterilization
- Main Drrips

Canadian Registration # 0E0591.9C

OPERATION

Thermal actuator is filled at its free length with a liquid having a lower boiling point than water. On start-up, valve is normally open to discharge air, non-condensibles and condensate. When steam enters trap, thermal actuator fill vaporizes to a pressure higher than line pressure. This forces

valve into seat orifice to prevent any further flow. As condensate collects, it takes heat from thermal actuator, lowering internal pressure. Line pressure will then compress thermal actuator to open valve and discharge condensate. Valve opening automatically adjusts to load conditions from minimum on very light loads to full lift at maximum load.