

UKL make sanitary balanced pressure thermostatic steam trap is designed to remove condensate from clean and pure steam applications with minimal condensate retention. Manufactured in 316L, the crevice free body design of UCT incorporates a 12-15° angled seat to ensure fully drain.

UKL Clean Steam trap has a unique Simple design, Minimum number of components and where the Bellow is enclosed and protected thus ensuring long life for the Bellows.

This trap works on the difference in Enthalpy of Steam and Condensate. Condensate temperature is used to open the trap by contracting the capsule, discharging condensate in low temperature. A capsule attached to a Bellow filled with precise amount of a Hydrocarbon, Expands and contracts in response to the rising/lowering of Enthalpy. Thereby shutting and opening the valve. Condensate has lower Enthalpy, causing the bellow to contract and the seat to retract which opens the valve and allow discharge of condensate and expands as soon as it comes in contact of Hot steam, causing seat to close the valve.

APPLICATIONS:-

- Sterile steam barriers
- Block and Bleed installations
- Main Drainage
- CIP/SIP of vessels and reactors.
- Process Lines.

DESIGN FEATURES:-

- Internal Surfaces : 25 micro-inch Ra
- External Surfaces : 40 micro-inch Ra
- Angled Seat to ensure fully drainage of condensate.

OPERATING CONDITIONS :

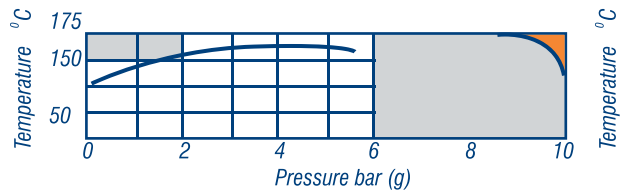
- Pressure :- Max 10 bar(g) @ 140 °C
- Temperature :- Min -254 °C and Max +165 °C @ 6 bar(g)
- Discharge Capacity :- 1300 kg/hr @ 5 bar(g) Δ P

INSTALLATION :

Preferably in Vertical Position



PRESSURE/TEMPERATURE LIMITS



- The product must not be used in this region
- The product should not be used in this region as damage to internals may occur

MATERIAL OF CONSTRUCTION:

ASTM A 276 316L

SIZES AVAILABLE:-

15 NB, 20 NB and 25 NB

END CONNECTIONS:

Tri-clover (sanitary) Clamps

OPTIONAL:-

IBR/Non-IBR

Product Range

UTD-55 | UTD-62 | UTD-120

Thermodynamic steam trap

UTST | UCT-10

Thermostatic steam trap & Sanitary steam trap

UFT-15 to 100 | UCA

Ball Float Trap for Steam and air application

UG 25/45 | UP64Ti | UP215Ti

Bi-metallic Steam Trap

UITVS

Compact Trap Valve Station

UIBT-28US

Inverted bucket Steam Trap in complete stainless steel construction

UIBT 1701 to 7004

Inverted bucket steam trap in cast/forged steel construction

UDCV

Wafer type disc check valve / NRV

UMS

Moisture separator for Steam & Air

UAV

Thermostatic air vent for steam with air bottle for proper venting

UAE

Air eliminator for liquid application

UBSV

Bellow seal gate/globe valve

UPHV

High pressure (#1500/#2500) gate/globe valve

USTR

Y & T type strainers in cast carbon steel and stainless steel

USG

Double window sight glass

USI

Steam injector for boiler feed water tank

UFV

Condensate flash vessel

UPPPU

Condensate pressure powered pump unit

UDH

Atmospheric de-aerator head for boiler feedwater tank

UAPT

Automatic pumping trap – Combination of a conventional trap & pump for proper condensate discharge for varied applications

UCCDS

Online (24x7) condensate contamination detection system

UBBHRS

Boiler blowdown heat recovery system

UHWGS

Instant Hot water generator system

UPRS / UPRDS

Pressure reducing system & de-superheating system

UCCM / USDM

Steam / Condensate manifolds

Other Products :



Cast / Forged Steel Piston Valves, Bellow seal valves, High Pressure valves (Gate/Globe), Strainers – “Y” Type, ITVS Steam Traps (Thermodynamic, Thermostatic, Ball Float Traps and IBT), Pressure Reducing Station, Condensate Recovery Products. Level Gauges (Reflex, Transparent, Bicolor), Sight Glass, Hot Water Generation System, Safety and Relief Valves.

FSD Products : Compressed Asbestos / Non Asbestos Fiber Sheetting / Cut Gaskets, Spiral Wound Gaskets / Gland Packing



UNI KLINGER LIMITED

In view of technical progress designs and dimensions are subject to change without notice.

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