

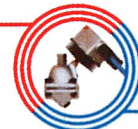


# Zero-Leak Plant is no more only a dream but a Ground-reality.

*UNI KLINGER have brought yet another Patented Technology to Indian Process Industries for Steam or Gas Leak Monitoring.*

With

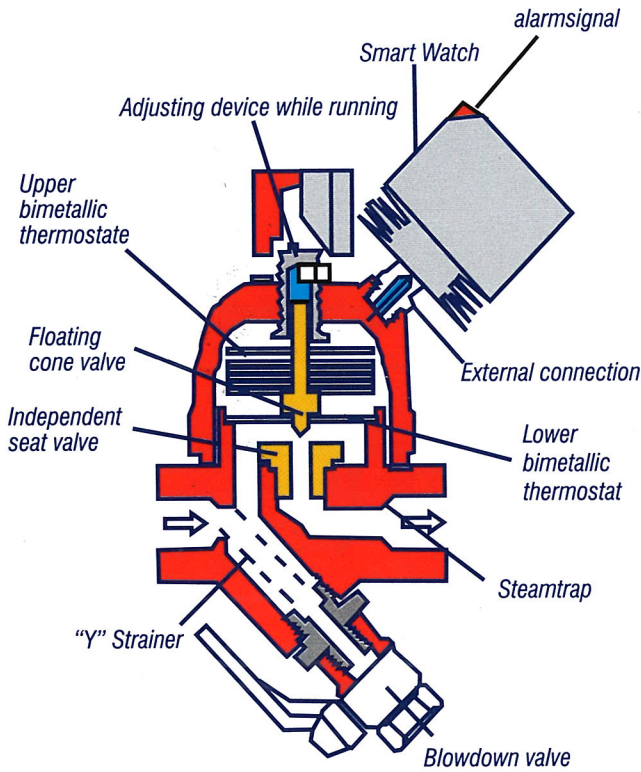
**BITHERM**



**SMARTWATCHWEB**

*The Spanish Revolution in Oil & Petrochemical field*

**UNI KLINGER LIMITED.** AN ISO 9001:2000 COMPANY



## Bi-Thermostatic Bimetallic Steam Traps

### Advantages

- Connection for Smart Watch
- Innovation & high technology
- Autonomous operation
- Intelligent surveillance
- On line external adjustment
- No spares required
- Reduction in operation costs
- Reduction in maintenance costs
- Independent seat and valve
- Balance pressure design
- Reliability
- Up to 3 years warranty \*\*

### Description

Bi-Thermostatic bimetallic steam traps are equipped with corrosion resistant regulator unaffected by water hammer and superheat. The cover features an external adjustment device that can be utilized while in operation, Independent seat & cone valve, continuous discharge. When the temperature starts to rise the upper thermostate will expand producing the progressive closure of valve. When the temperature decreases the lower thermostate opens the valve adding the Pressure Balancing Feature. The Cone valve is placed on upper stream far from the flash steam zone resulting in long life and reduces maintenance costs.

### Maximum Operating Condition

Model	PMO	TMO	Max. Diff. Pressure
UT25 & UG25	25 Bar (g)	400 °C	25 Bar (g)
UP45Ti & UG45Ti	45 Bar (g)	400 °C	42 Bar (g)

### Available Sizes & End Connections

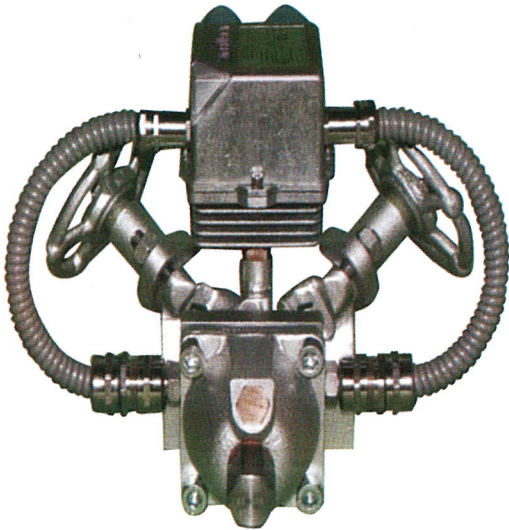
15, 20 & 25 NB SW/ BSP/ BSPT/ NPT/ # 150\*/ # 300\*

\* With welded flanges MOQ 25 nos.

\* Higher Pressures on request

\*\* For Low Pressure Steam Trap





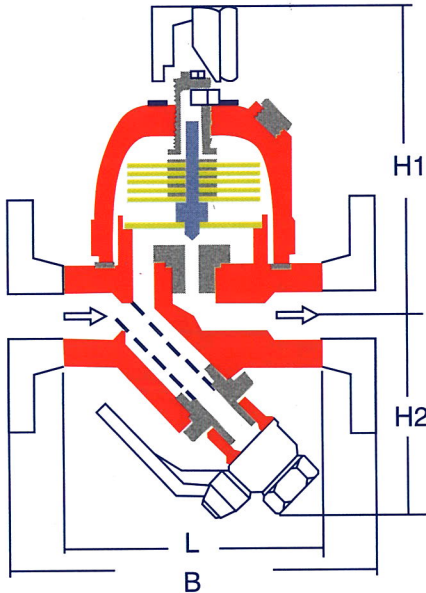
## **Features**

- *Patented technology.*
- *Microprocessor based monitoring device,*
- *High network integration capacity.*
- *Monitoring of 4 parameters with integrated sensors.*
- *Simple cabling & wiring with 12VDC supply.*
- *RS 485 networking over a range of 1200 m.*
- *Certified for intrinsic safety requirements (EEx ia IIC T4).*
- *Variety of Alarm Modes.*

## **ITVS with Smart Watch (Intelligent Trap Valve Station)**

### **Advantages**

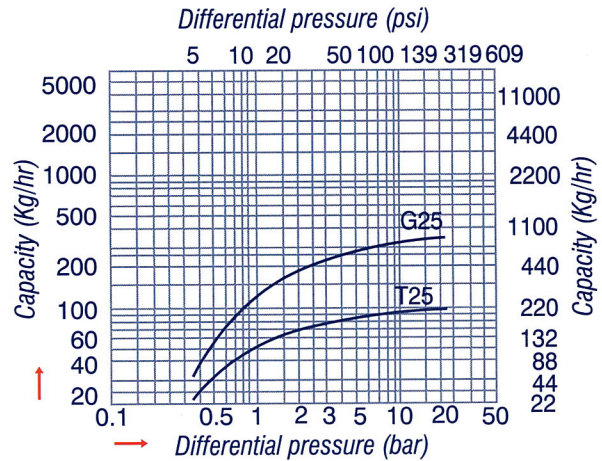
- *Mounted on ITVS having individual Piston Valves for Isolation, Blowdown & Trap Test.*
- *Continuous steam or gas leak detection.*
- *Designed for BiTherm traps and can be used on any traps & valves.*
- *Continuous steam/ gas leak detection in safety valves, on-off control valves, etc.*
- *Increased safety when used on hazardous process gases.*
- *Pollution prevention and environmental protection.*
- *Diagnostic information provides value addition.*
- *Zero leakage from steam traps and valves*
- *Reduction of costs (Production, Maintenance, Inspection & Energy)*
- *Rugged and Compact. Designed for 80 deg.C ambient conditions.*



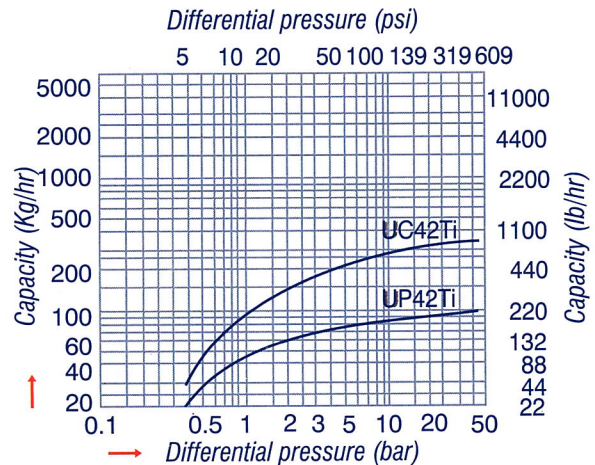
### Dimensions

Size mm	15	20	25
L mm	95	95	---
B mm	150	150	160
H1 mm	105	105	105
H2 mm	65	65	65

### Capacity Curves for Model UT25 & UG25



### Capacity Curves for UP45Ti & UG45Ti



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



## UNI KLINGER LIMITED

A joint venture of the Neterwala group of companies and KLINGER AG, Switzerland.



- AN ISO 9001:2000 COMPANY

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