

# THERMODYNAMIC STEAM TRAP

## With Inbuilt Strainer Screwed Female Ends

**The Thermodynamic Trap** is a steam trap with a simple mode of operation. The trap operates by means of the dynamic effect of flash steam as it passes through the trap. The only moving part is the disc above the flat face inside the control chamber or cap.



### Advantages of the thermodynamic steam traps:

- Thermodynamic traps don't require any internal adjustments to function over their whole working range.
- For their size, they offer a significant condensate capacity and are lightweight, simple, and small.
- Vibration and waterhammer have no effect on thermodynamic traps, which are suitable for high pressure and superheated steam applications. High resistance to corrosive condensate is provided by the construction, which is entirely made of stainless steel.
- When installed with the disc in a vertical plane and freely discharging to the atmosphere, thermodynamic traps are not harmed by freezing and are not prone to freeze. On the other hand, using the disc edge in this position could cause it to wear down.
- Since there is only one moving component 'the disc' maintenance may be done with ease even without removing the trap from the line.
- The audible 'click' sound which occurs as the trap opens and closes makes trap testing very straight forward.

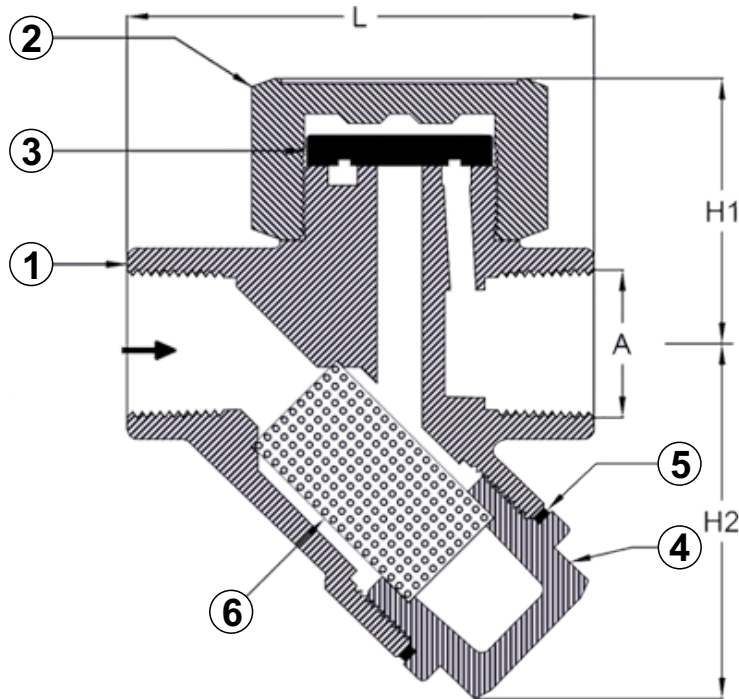
Test Certificate in Form III\_C as per IBR is Furnished with every supply

## UPC INSTRUMENTS PVT.LTD.

AN ISO 9001:2015, 14001-2015 CE & TÜV SÜD CERTIFIED COMPANY



# THERMODYNAMIC STEAM TRAP



## THERMODYNAMIC STAINLESS STEEL STEAM TRAP

WITH INBUILT STRAINER  
SCREWED FEMALE ENDS TO BSPT/BSP  
/NPT/ SOCKET WELD

### TEST PRESSURE:

Maximum Allowable Temperature: 425° C

TYPE OF TEST	PRESSURE (KG/CM <sup>2</sup> )
Body Test Pressure	63.3 Kg/cm <sup>2</sup>
Steam Working Pressure	31.5 Kg/cm <sup>2</sup> /456 PSIG

Sr no.	PARTY NAME	MATERIALS	Standard
1.	BODY	S.S.	ASTM A743 Gr. CA-40
2.	COVER	S.S.	ASTM A743 Gr. CA-40
3.	Disc	S.S.	ASTM A743 Gr. CA-40
4.	Strainer Cap	S.S.	ASTM A743 Gr. CA-40
5.	Gasket	CAF	IS : 2712 Gr. W/1
6.	Strainer	S.S.	AISI 304

DIMENSIONS IN MM				
SIZE	A	L	H1	H2
15MM(1/2)	1/2"BSP	72	41	57
20MM(3/4)	3/4"BSP	78	44	62
25MM(1")	1"BSP	93	55	70

## WARRANTY

All the valves are warranted against any manufacturing defect for a period of 12 months from date of supply, provided the valves has not been misused, damaged, installed for services it is not recommended or the seal has been tempered with. The company shall be liable to furnish part/ parts thereof or full Valve as the company may deem fit.



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