STAINLESS STEEL STEAM TRAP

ITEM CODE # SS - 801

Features :

Inbuilt Strainer : Avoids Clogging
Screwed Female BSP Taper Ends / Socket Welded Ends
Hardened Disc To Withstand Continuous Water Hammering
All Stainless Steel Construction : Better Mechanical Properties
Seat Integral With Body : No Possibility Of Leakage From Joints

Operation :

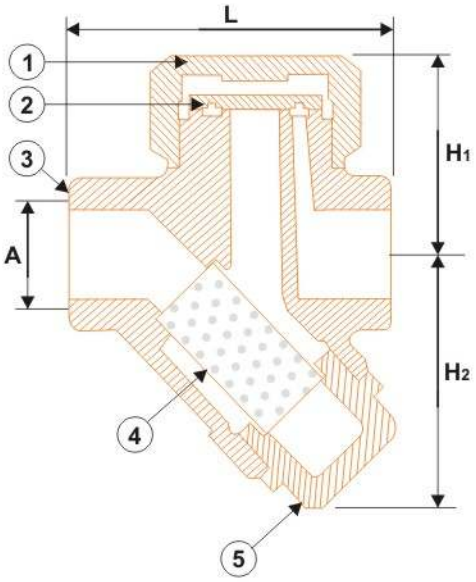
The steam trap works on the pressure difference, above and below the disc. Disc is rased from its seat due to incoming pressure. High velocity of flashing condensate create low pressure beneath the disc, at the same time pressure is build up in the chamber that force the disc on the seat. Now the condensates in the chamber decrease the pressure, when it is lower than the inlet pressure, the disc lifts. This cycle repeats again and again.

Materials of Construction

NAME OF PART	MATERIAL	STANDARD
(1) Top Cover	Cast Stainless Steel	ASTM-A 743 Gr. CA 40
(2) Disc	Cast Stainless Steel	ASTM-A 743 Gr. CA 40
(3) Body	Cast Stainless Steel	ASTM-A 743 Gr. CA 40
(4) Screen	Stainless Steel	AISI - 304
(5) Bottom Cover	Cast Stainless Steel	ASTM-A743 Gr. CA 40

Limiting Conditions : In accordance with ISO 6552

Body Design Conditions PN 63
Cold Hyd. Test Pressure 95 bar
PMA - Maximum Allowable Pressure 63 bar
PMO - Maximum Operating Pressure 42 bar
TMA - Maximum Allowable Temperature 400°C
TMO - Maximum Operating Temperature 255°C



Sizes / Dimensions

Sizes		Dimensions			
Inches	mm	A	L	H1	H2
1/2"	15	1/2" BSP	78	44	60
3/4"	20	3/4" BSP	78	44	60
1"	25	1" BSP	84	54	70
1.1/2"	40	1.1/2" BSP	108	70	88
2"	50	2" BSP	108	70	88