

THERMODYNAMIC

This type of trap uses steam dynamic energy to close the discharge orifice. A disc closes both the inlet and outlet orifice. Condensate can lift the disc and be discharge, but when steam is formed its dynamic energy will create a low pressure area (Bernulli Law) under the disc which draws it towards the seat.



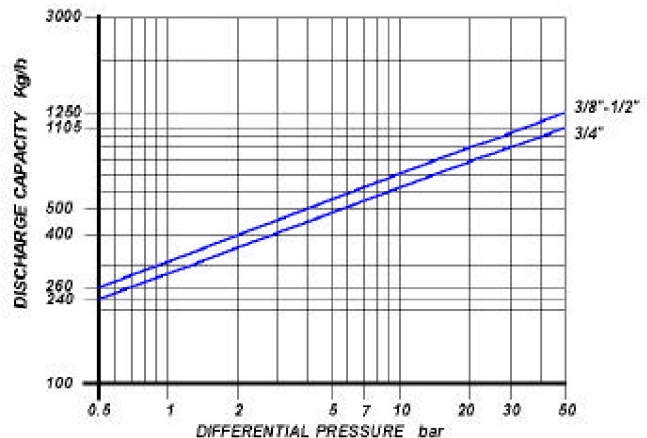
MAIN FEATURES

Reduced dimension and weight simple and reliable. It discharges air. It withstands waterhammer. Condensate discharge is intermittent. Some loss of live steam.

APPLICATIONS

- Ironing machines
- Steam mains
- Tracing lines
- Turbines
- Marine applications
- Presses

DISCHARGE CAPACITY



Cold water capacities are 2 to 4 times greater than the above .
Safety factor = 1.2 - 1.5

SIZES

3/8" - 1/2" - 3/4"

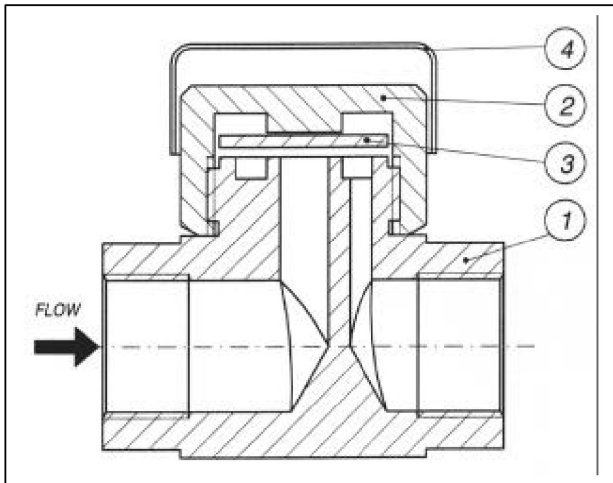
CONNECTIONS

SCREWED ANSI B1.20.1 (NPT) / BS21 (BSP)

LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 600
PMA: Max allowable pressure	100 bar
TMA: max allowable temperature	425°C
PMO: max working pressure	50 bar
TMO: max working temperature	400°C
Minimum Working Pressure	0.25 bar
PMOB: max working back pressure	80%

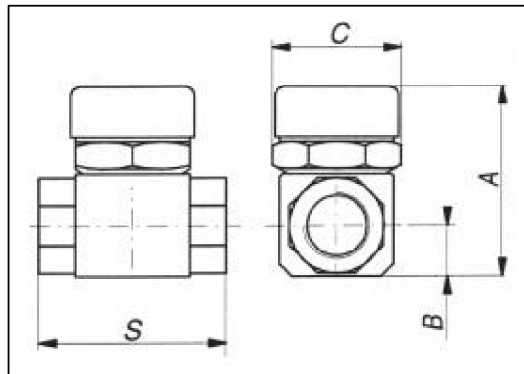
THERMODYNAMIC STEAM TRAPS DA



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A 182 F6a	
2	Cover	ASTM A 182 F6a	
3	Disc	AISI 431	X
4	Insulating cap*	AISI 304	

* optional

Size (inches)	S	A	B	C	Weight (Kg)
3/8"	70	65	16	47	0.6
1/2"	70	65	16	47	0.6
3/4"	75	77	20	52	1.1



INSTALLATION

The steam trap can be installed in any position, however it should be preferably fitted on horizontal pipelines.

How to order: i.e. DA 1/2" NPT

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