

### BALANCED PRESSURE

The operating principle is based on the expansion and contraction of a temperature sensitive capsule. The elements are filled with a liquid whose saturation temperature is lower than that of water, at the same pressure. With subcooled condensate the elements contract. When steam is formed the pressure inside the element causes expansion to close the valve.

### MAIN FEATURES

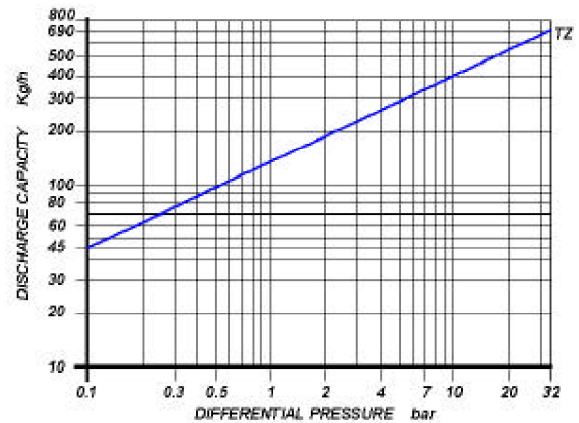
Free air discharge. It withstands frost. Discharge of condensate slightly below steam temperature. It does not withstand waterhammer



### APPLICATIONS

- Steam mains
- Presses
- Tanks
- Suction heaters
- Ovens

### 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" - 1"

### CONNECTIONS

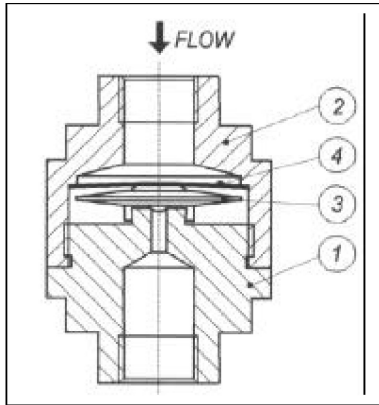
Screwed      ANSI B1.20.1 (NPT) / BS21 (BSP)

### LIMITING CONDITIONS ( according to ISO 6552 )

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	55 bar
TMA: max allowable temperature	400°C
PMO: max working pressure	32 bar
TMO: max working temperature	240°C
Max. differential pressure	32 bar

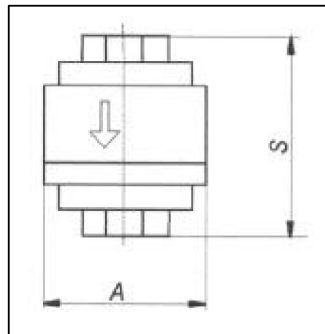
## BALANCED PRESSURE THERMOSTATIC STEAM TRAPS

# TZ



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	AISI 304	
2	Cover	AISI 304	X
3	Capsule	AISI 304	X
4	Screen	AISI 304	

Size (inches)	S	A	Weight (Kg)
3/8"	65	45	0.3
1/2"	65	45	0.3
3/4"	65	45	0.3



### INSTALLATION

The steam trap can be installed on horizontal or vertical lines.

### HOW TO SERVICE

By installing a new capsule you can bring the TZ steam trap to the "as new from factory" condition. This operation is carried out in a few minutes without removing the trap in the pipeline. Unscrew the cover (2), unscrew element (3). Clean the inside of the trap and the screen (4). Screw in the capsule (3) replace the screen (4), screwing the cover (2) back in place.

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

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