

# PT30

## BALANCED PRESSURE THERMOSTATIC STEAM TRAPS



### DESCRIPTION:

The PT30 is a perfect NO-LOSS steam trap that offers condensate sub-cooling to maximise thermal efficiency.

Its special design facilitates fitment in any position. The highly responsive, corrosion and water-hammer resistant controller gives excellent deaeration and drainage.

Maximum thermal efficiency is automatically maintained under varying conditions.

### APPLICATIONS:

For drainage and deaeration of steam lines and all kinds of heat exchangers, (including those for superheated steam), auxiliary heating systems, sterilization systems, hot water heat exchangers, tracing and many other steam applications.

### SUB COOLING :

12 °C - Standard,  
6 °C & 24 °C - Optional

### SIZES: DN15, 20

### CONNECTIONS:

Screwed (NPT/BSPT/BSP)  
Socket Weld / Flanged.\*

\*End connection flanges of ASTM A105 forged carbon steel are welded on.

**Non IBR/IBR approved**

### LIMITING CONDITIONS:

PMA: Max. allowable pressure	22 bar(g)
TMA: Max. allowable temperature	220 °C
PMO: Max. operating pressure	22 bar (g)
TMO: Max. operating temperature	220 °C
Cold hydro test pressure	33 bar(g)

### OPTIONAL:

Back-flow preventer stops reverse flow of the condensate when the plant is shut down.

### INSTALLATION:

1. Prior to installation, clean the lines by blowing through at full steam pressure to remove dirt. This should be strictly followed when the lines are new.
2. For steam trapping applications the trap should be fitted below the equipment to be drained and as close to the drain point as possible, preferably in a horizontal position with the cover on top.
3. For air venting applications, the trap should be fitted at the highest point of the piping system or equipment where the air / incondensable gases collect.

### MAINTENANCE:

This product can be maintained inline without disturbing the piping connections, provided isolation valves are fitted before and after the trap. Ensure that the trap is isolated - upstream and downstream - before attempting to dismantle it.

### IMPORTANT:

Do not de-pressurise the trap before it cools. Sudden loss of pressure in a trap which is hot causes permanent damage to the controller.

## MATERIAL:

NO.	PART	MATERIAL	QTY (Nos.)
1.	BODY	ASTM A105	01
2.	COVER	ASTM A105	01
3.	CONTROLLER ASSLY.	STAINLESS STEEL	01
4.	STRAINER SCREEN	AISI 304 (Perforated Sheet)	01
5.	SEAT GASKET	COPPER	01
6.	COVER GASKET	Non CAF	01
7.	BOLT	ASTM A193 Gr. B7	04
8.	BURBLE SHEET	AISI 304	01
9.	CLIP	AISI 304	01
10.	SEAT	AISI 304	01
11.	SPRING	STAINLESS STEEL	01

## DIMENSIONS: Nominal in mm

SIZE	A	B	C	D	E	
					#150	#300
DN15	100	50	80	70	177	185
DN20	100	50	80	70	180	190

## WEIGHTS: (approx.)

SIZE	SCR/SW	FLANGED	
		#150	#300
DN15	1.9 kg	3.2 kg	3.5 kg
DN20	1.9 kg	3.6 kg	4.4 kg

## AVAILABLE SPARES:

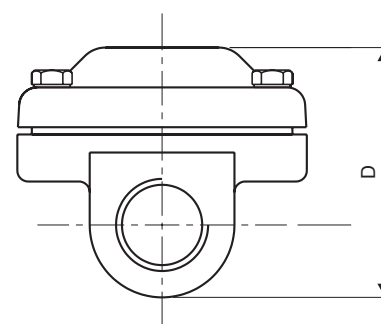
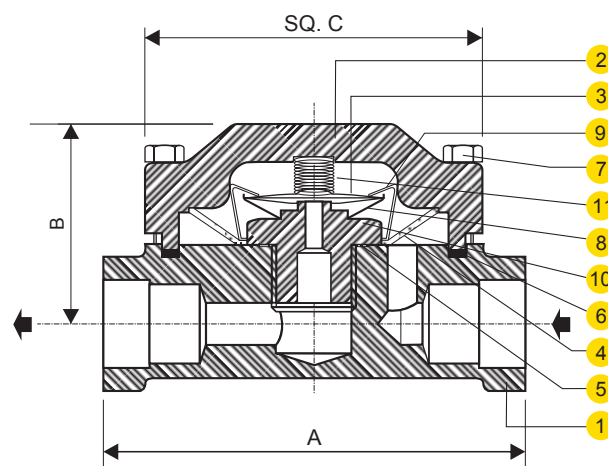
Controller & Valve Seat Assly., Gaskets, Strainer Screen.

## HOW TO ORDER:

PT30 DN15 BSP

## ORDERING INFORMATION:

- 1) Inlet Pressure in bar(g)
- 2) Back Pressure in bar(g)
- 3) Operating Temperature in °C
- 4) Condensate Load in kg/hr
- 5) Size & Model
- 6) End Connections
- 7) Sub cooling (°C)
- 8) IBR / NIBR



Side View

