

FLOAT & THERMOSTATIC STEAM TRAPS DN40, DN50

DESCRIPTION:

High capacity float and thermostatic (internal air vent) steam traps are designed for draining condensate from all types of low and medium pressure steam heating and process equipment. Typical applications include unit heaters, heat exchangers, driers and jacketed vessels. Horizontal installation.

AVAILABLE TYPES:

PT 66 - with thermostatic air vent PT 66S - SLR (with steam lock release) PT 66C - with thermostatic air vent and SLR

FEATURES:

Modulating discharge. Discharges condensate at steam temperature. Excellent air venting (by thermostatic air vent).

USE: Saturated and superheated steam

SIZES: DN40, 50

CONNECTIONS: Screwed (NPT/BSPT/BSP)

Flanged/Socket Weld

Non IBR/IBR approved

TRAP DISCHARGE CAPACITY IN kg/hr

MODEL **Differential Pressure (bar)** 0.04 0.14 0.35 0.7 1 1.4 2.8 4.5 Double Valve PT66-4.5 3150 5220 11550 15300 **Discharge Capacity** 6045 6390 7400 8025 2 MODEL **Differential Pressure (bar)** 1 4 6 8 10 12 14 Rotary 6590 PT66-14 **Discharge Capacity** 4660 9320 11410 13180 14730 16140 17430

LIMITING CONDITIONS:

PMA: Max. allowable pressure	16 bar(g)
TMA: Max. allowable temperature	220 ºC
PMO: Max. operating pressure	14 bar(g)
TMO: Max. operating temperature	220 ºC
Body shell design rating	20 bar(g) 425º C
Cold hydro test pressure	24 bar(g)

INSTALLATION:

Horizontal installation with flow from left to right. The trap should be installed horizontally below the drain point of the equipment in a position such that the float arm is in a horizontal plane and the float rises and falls vertically, with the flow direction as indicated on the cover. The arrow on the nameplate should be pointing vertically upwards.

Max. differential pressure range:

PT66-4.5 : 4.5 bar PT66-14 : 14 bar





MATERIAL:

NO.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	ASTM A216 Gr. WCB	01
2.	COVER	ASTM A216 Gr. WCB	01
3.	GASKET	Non CAF	01
4.	VALVE SEAT	ASTM A743 Gr.CA40/	02
5.	VALVE PIN	AISI 410/420	02
6.	BALL FLOAT	AISI 304	01
7.	LEVER	AISI 304	01
8.	AIR VENT	STAINLESS STEEL	01
9.	BOLT	ASTM A193 Gr. B7	06
10.	DRAIN PLUG	CARBON STEEL	01
11.	STEM	AISI 304/AISI 410	01
12.	SLR UNIT	AISI 304	01

WEIGHT:

Screwed/SW	Flanged
31 kg	35 kg

AVAILABLE SPARES:

The Housing Assly., Air Vent Assly., Gaskets

HOW TO ORDER:

PT66-4.5 DN40 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







DIMENSIONS - Nominal in mm

PT66 - Double Valve



PT66S - Double Valve



PT66C - Double Valve



MATERIAL:

NO.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	ASTM A216 Gr. WCB	01
2.	COVER	ASTM A216 Gr. WCB	01
3.	COVER GASKET	Non CAF	01
4.	VALVE SEAT HOUSING	AISI 304	01
5.	VALVE PIN		01
6.	STEM	AISI 304	01
7.	FLOAT ASSLY.	AISI 304	01
8.	AIR VENT	AISI 304	01
9.	BOLT	ASTM A193 Gr. B7	06
10.	DRAIN PLUG	CARBON STEEL	01
11.	SLR UNIT	AISI 304	01

WEIGHT:

Screwed/SW	Flanged
31 kg	35 kg

AVAILABLE SPARES:

The Housing Assly., Air Vent Assly. Gaskets.

HOW TO ORDER:

PT66-14 DN40 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



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PT66 - Rotary







PT66C - Rotary



DIMENSIONS - Nominal in mm

Local regulations may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interest of development and improvement of the product, we reserve the right to change the specifications without prior notice.

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