

PT66

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

LIMITING CONDITIONS:

PMA: Max. allowable pressure	16 bar(g)
TMA: Max. allowable temperature	220 °C
PMO: Max. operating pressure	14 bar(g)
TMO: Max. operating temperature	220 °C
Body shell design rating	20 bar(g) 425° 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

TRAP DISCHARGE CAPACITY IN kg/hr

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

MATERIAL:

NO.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	ASTM A216 Gr. WCB	01
2.	COVER	ASTM A216 Gr. WCB	01
3.	GASKET	GRAPHITE WITH SS REINFORCEMENT	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:

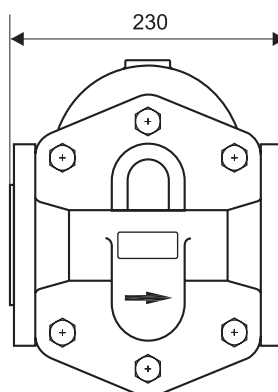
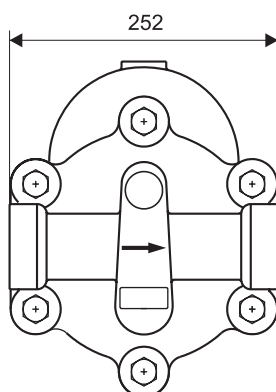
The Housing Assly., Air Vent Assly., Gaskets

HOW TO ORDER:

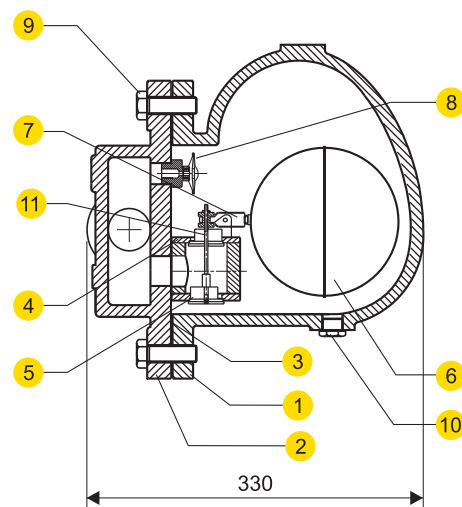
PT66-4.5 DN40 BSP

ORDERING INFORMATION:

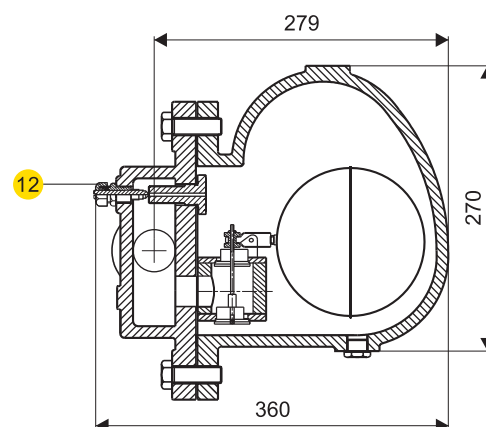
- 1) Inlet Pressure in bar(g)
- 2) Back Pressure in bar(g)
- 3) Operating Temperature in °C
- 4) Condensate Load in kg/hr
- 5) Size & Model
- 6) End Connections



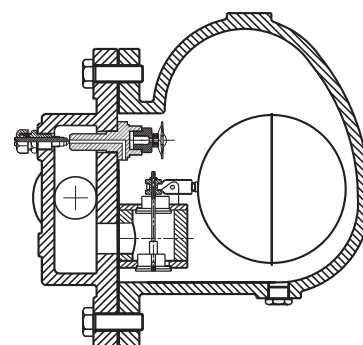
PT66 - Double Valve



PT66S - Double Valve



PT66C - Double Valve



DIMENSIONS - Nominal in mm

MATERIAL:

NO.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	ASTM A216 Gr. WCB	01
2.	COVER	ASTM A216 Gr. WCB	01
3.	COVER GASKET	GRAPHITE WITH SS REINFORCEMENT	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:

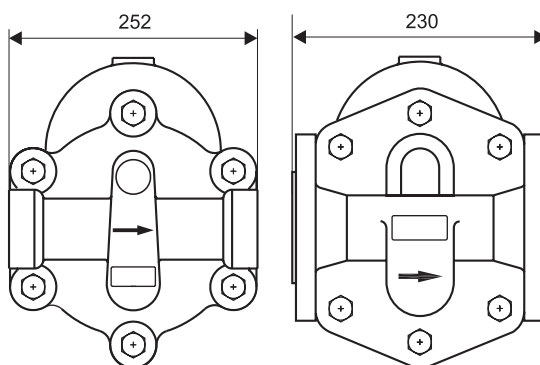
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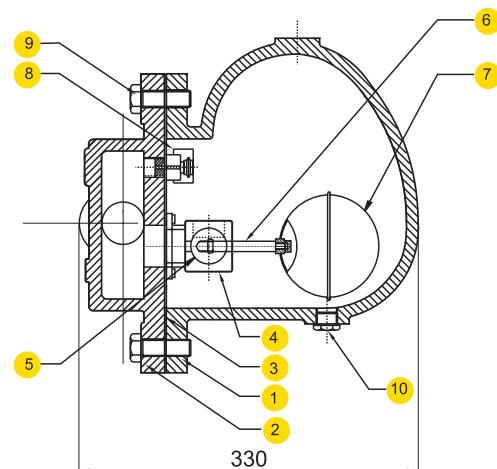
PT66-14 DN40 BSP

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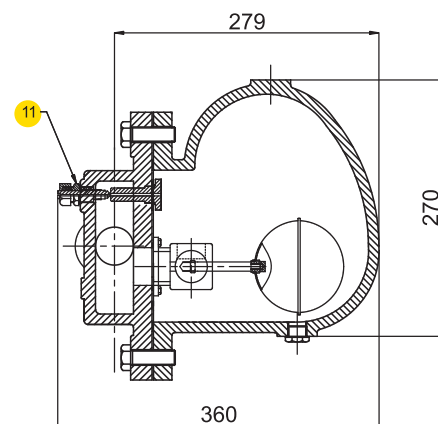
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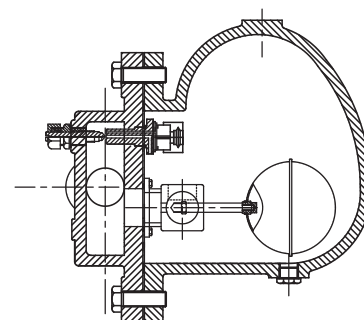
PT66 - Rotary



PT66S - Rotary



PT66C - Rotary



DIMENSIONS - Nominal in mm