

PT65

FLOAT & THERMOSTATIC STEAM TRAPS DN25 (CAST IRON)



DESCRIPTION:

Cast iron 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 65 - with thermostatic air vent
PT 65S - SLR (with steam lock release)
PT 65C - 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: DN25

CONNECTIONS: Screwed (NPT, BSPT, BSP)

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
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 word 'TOP' on the nameplate indicates the top side of the trap.

Max. differential pressure range:

PT65-4.5 : 4.5 bar

PT65-10 : 10 bar

PT65-14 : 14 bar

TRAP DISCHARGE CAPACITY IN kg/hr

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)																
		0.5	1.0	1.5	2.0	3.0	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0
PT65-4.5	DN25	840	945	1049	1155	1358	1569	1673	---	---	---	---	---	---	---	---	---	---
PT65-10	DN25	604	654	710	760	870	974	1024	1079	1185	1290	1394	1499	1603	---	---	---	---
PT65-14	DN25	425	454	480	510	565	620	645	675	730	785	839	895	949	1004	1064	1120	1174

Recommended safety factor: steady condition 1.5 - 2; fluctuating condition 2-3

MATERIAL:

NO.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	CAST IRON	01
2.	COVER	CAST IRON	01
3.	GASKET	Non CAF	01
4.	VALVE SEAT	AISI 410/420	01
5.	BALL FLOAT & LEVER ASSY.	AISI 304	01
6.	AIR VENT	STAINLESS STEEL	01
7.	BOLT	HIGH TENSILE	04
8.	DRAIN PLUG	CARBON STEEL	01
9.	BRACKET ASSY.	AISI 304	01
10.	GASKET	COPPER	01
11.	SLR UNIT	AISI 304	01

DIMENSIONS: Nominal in mm

SIZE	A	B	C	D	E	F
DN25	120	188	170	105	215	7kg

AVAILABLE SPARES:

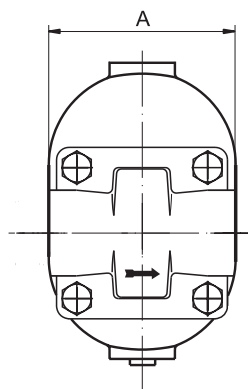
Valve Seat, Ball Float & Lever Assly.,
Air Vent Assly., Gaskets

HOW TO ORDER:

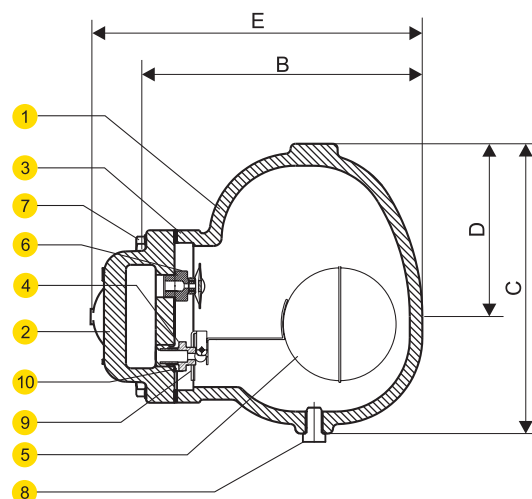
PT65-4.5 DN25 BSP

ORDERING INFORMATION:

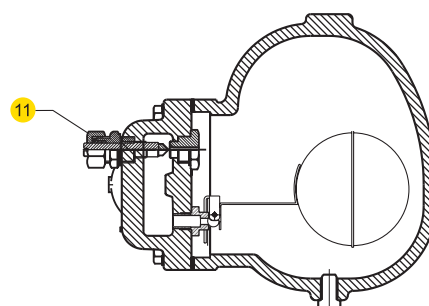
- 1) Inlet Pressure in bar(g)
- 2) Back Pressure in bar(g)
- 3) Operating Temperature in °C
- 4) Condensate Load in kg/hr
- 5) Size & Model
- 6) End Connections



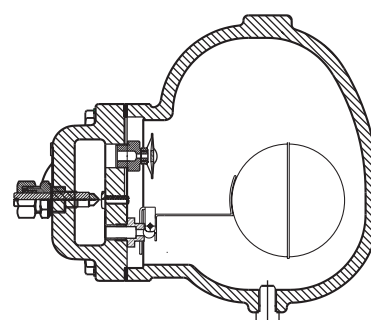
PT65



PT65S STEAM LOCK RELEASE (SLR)



PT65C THERMOSTATIC AIR VENT + SLR



PT65

FLOAT & THERMOSTATIC STEAM TRAPS DN40, DN50 (CAST IRON)



DESCRIPTION:

Cast iron 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 65 - with thermostatic air vent
PT 65S - SLR (with steam lock release)
PT 65C - 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)

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
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:

PT65-4.5 : 4.5 bar

PT65-10 : 10 bar

PT65-14 : 14 bar

TRAP DISCHARGE CAPACITY IN kg/hr

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)																
		0.5	1	1.5	2	3	4	4.5	5	6	7	8	9	10	11	12	13	14
PT65-4.5	DN40,50	3022	3272	3521	3787	4295	4795	5056	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PT65-10	DN40,50	2234	2684	2847	2920	3097	3337	3417	3526	3700	4030	4404	4790	5119	-----			
PT65-14	DN40,50	1944	2268	2538	2777	2972	3097	3176	3251	3367	3620	3887	4125	4366	4586	4795	4994	5190

Recommended safety factor: steady condition 1.5-2; fluctuating condition 2-3

MATERIAL:

NO.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	CAST IRON	01
2.	COVER	CAST IRON	01
3.	GASKET	GRAPHITE WITH SS REINFORCEMENT	01
4.	VALVE SEAT	AISI 410/420	01
5.	BALL FLOAT & Lever ASSY	AISI 304	01
6.	AIR VENT	AISI304	01
7.	BOLT	HIGH TENSILE	06
8.	DRAIN PLUG	CARBON STEEL	01
9.	BRACKET ASSY.	AISI 304	01
10.	SLR UNIT	AISI 304	01

WEIGHTS: 29 kg

AVAILABLE SPARES:

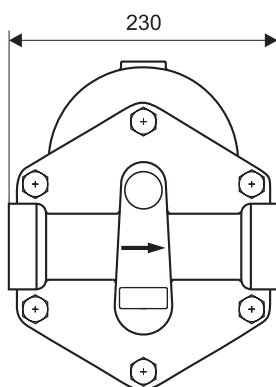
Valve Seat, Ball Float & Lever Assly.,
Air Vent Assly., Gaskets

HOW TO ORDER:

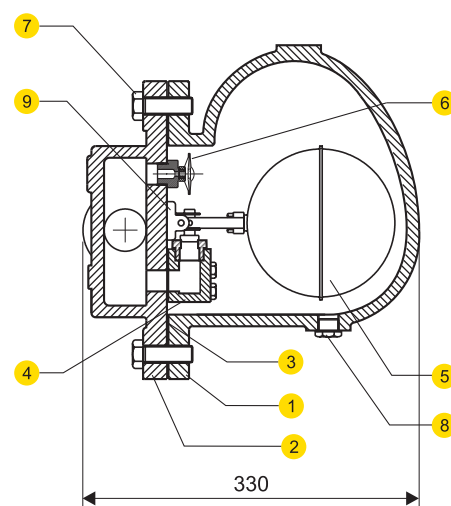
PT65-4.5 DN40 BSP

ORDERING INFORMATION:

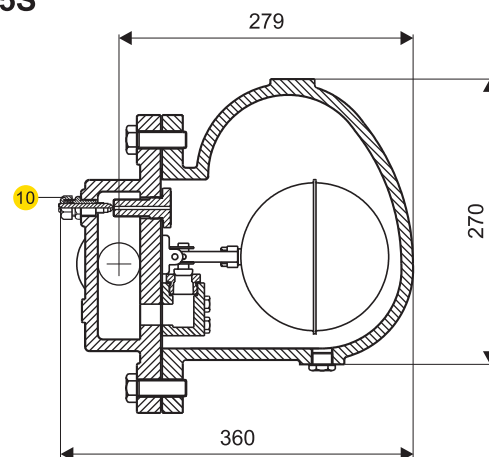
- 1) Inlet Pressure in bar(g)
- 2) Back Pressure in bar(g)
- 3) Operating Temperature in °C
- 4) Condensate Load in kg/hr
- 5) Size & Model
- 6) End Connections



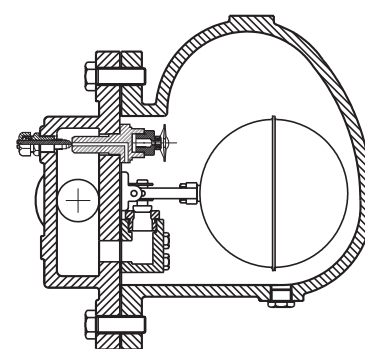
PT65



PT65S



PT65C



DIMENSIONS - Nominal in mm