

PT62HP

FLOAT & THERMOSTATIC STEAM TRAPS - DN15, 20, 25



DESCRIPTION:

PT62 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:

PT62 HP - with thermostatic air vent

PT62 HP S - SLR (with steam lock release)

FEATURES:

Modulating discharge.

Discharges condensate at steam temperature.

Excellent air venting (by thermostatic air vent).

USE: Saturated and superheated steam

SIZES:

DN15, 20, 25

CONNECTIONS: Screwed (NPT/BSPT/BSP)
Flanged/Socket Weld

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

Non IBR/IBR approved

LIMITING CONDITIONS:

PMA: Max. allowable pressure	16<P≤32 kg/cm ² (g)
TMA: Max. allowable temperature	400 °C
PMO: Max. operating pressure	25 kg/cm ² (g)
TMO: Max. operating temperature	Sat.
Body shell design rating	42@RT
Cold hydro test pressure	48 kg/cm ² (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:

PT62-21 : 21 kg/cm²

PT62-25 : 25 kg/cm²

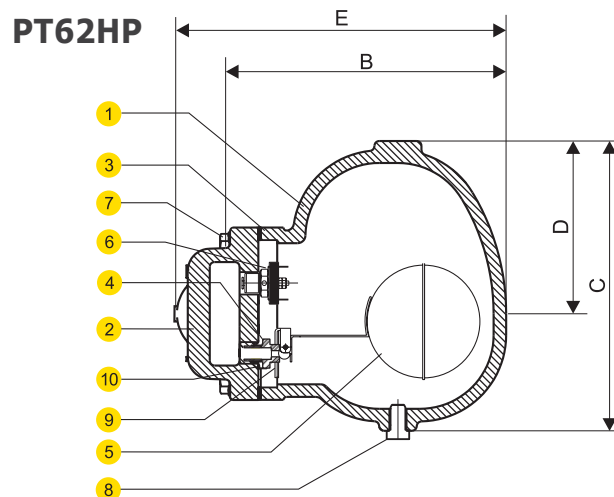
TRAP DISCHARGE CAPACITY IN kg/hr

MODEL	SIZE	DIFFERENTIAL PRESSURE (kg/cm ²)												
		0.5	1	2	3	4.5	7	9	10	12.5	14	17.5	21	25
PT62 HP-21	DN15~25	260	365	460	520	590	620	645	685	700	710	730	740	---
PT62 HP-25	DN15~25	200	280	350	400	455	475	495	525	535	545	560	570	580

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

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	AISI 410/420	01
5.	BALL FLOAT & LEVER ASSY.	AISI 304	01
6.	AIR VENT	BIMETAL/SS	01
7.	BOLT	ASTM A193 Gr. B7	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	WEIGHTS	
						#150, PN16, PN40	#300
DN15	120	187	170	111	220	5.4	5.9
DN20	120	187	170	111	220	5.8	6.5
DN25	120	187	170	111	220	11.5	12.5

SIZE	F		
	WNRF #150	WNRF #300	INT. FLANGE (#150, 300, PN16 & PN40)
DN15	195	205	150
DN20	200	210	150
DN25	210	220	160

AVAILABLE SPARES:

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

HOW TO ORDER:

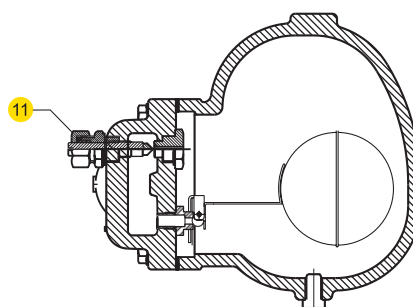
PT62-4.5 DN15 BSP NIBR

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) IBR/NIBR

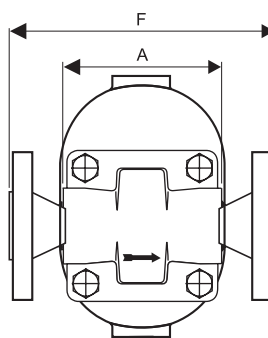
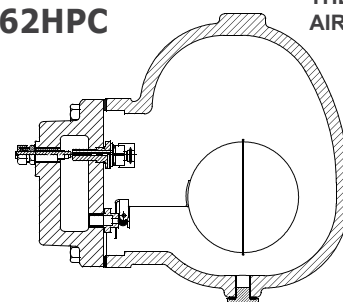
PT62HPS

STEAM LOCK
RELEASE (SLR)

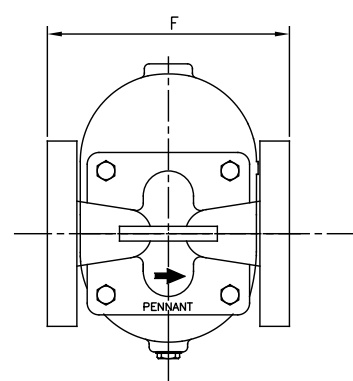


PT62HPC

THERMOSTATIC
AIR VENT + SLR



WELD ON FLANGE



INTEGRAL FLANGE

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.

PT62HP

FLOAT & THERMOSTATIC STEAM TRAPS - DN40, 50



DESCRIPTION:

PT62 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 62 - with thermostatic air vent
- PT 62 HP S - SLR (with steam lock release)
- PT 62 HP C - with bimetallic 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

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

Non IBR/IBR approved

LIMITING CONDITIONS:

PMA: Max. allowable pressure	16 < P ≤ 32 kg/cm ² (g)
TMA: Max. allowable temperature	425° C
PMO: Max. operating pressure	25 kg/cm ² (g)
TMO: Max. operating temperature	Sat.
Body shell design rating	52@RT
Cold hydro test pressure	48 kg/cm ² (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:

PT62-21 : 21 kg/cm²

PT62-25 : 25 kg/cm²

TRAP DISCHARGE CAPACITY IN kg/hr

MODEL	SIZE	DIFFERENTIAL PRESSURE (kg/cm ²)												
		0.5	1	2	3	4.5	7	9	10	12.5	14	17.5	21	25
PT62 HP-21	DN40, 50	1820	2100	2630	2814	3015	3160	4020	4240	4820	5060	6130	6640	---
PT62 HP-25	DN40, 50	1540	1780	2230	2380	2550	2675	3400	3590	4080	4280	5185	5620	5800

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

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	AISI 420/ASTM A743 Gr.CA40	01
5.	BALL FLOAT & LEVER ASSY.	AISI 304	01
6.	AIR VENT	BIMETAL/SS	01
7.	BOLT	ASTM A193 Gr. B7	06
8.	DRAIN PLUG	CARBON STEEL	01
9.	BRACKET ASSY.	AISI 304	01
10.	SLR UNIT	AISI 304	01

DIMENSIONS: Nominal in mm

SIZE	A		
	SCR / SW	#150	#300
DN40	252	350	365
DN50	252	350	365

WEIGHTS:

Screwed/SW	FLANGED
31 kg	35 kg

AVAILABLE SPARES:

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

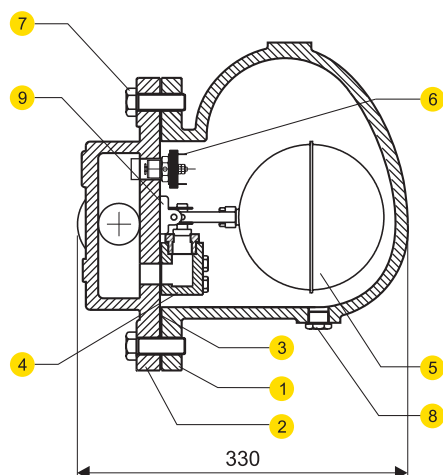
HOW TO ORDER:

PT62-4.5 DN40 BSP NIBR

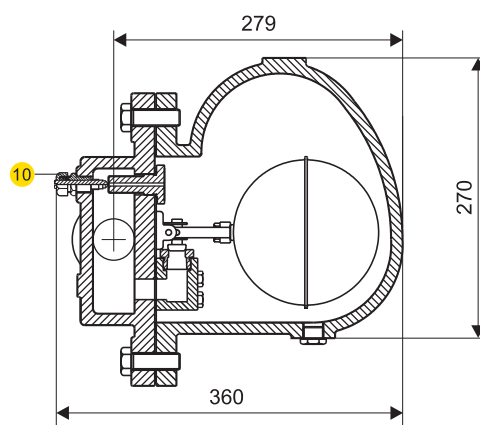
ORDERING INFORMATION:

- 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) IBR/NIBR

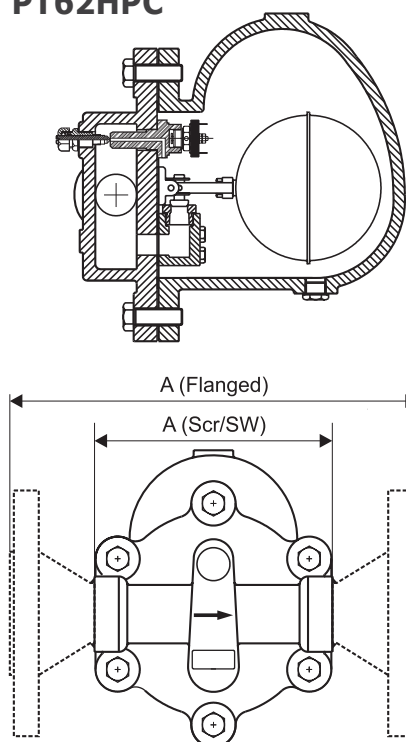
PT62HP



PT62HPS



PT62HPC



DIMENSIONS - Nominal in mm