

DESCRIPTION:

Inverted bucket steam trap with all stainless steel internals, for high pressure steam systems.

SALIENT FEATURES:

The inverted bucket arrangement operates on the density difference between steam and water, giving a cyclic operation for discharge of the accumulated condensate.

High condensate handling capacities even at low pressures, permit the use of small trap sizes to suit many applications.

The valve and valve seat are hardened by a special induction hardening process to withstand continuous, prolonged operation.

Perfect shut-off, no steam loss.

Robust, maintenance-free, fully guaranteed.

SIZES: DN15, 20, 25, 40, 50

CONNECTIONS: Socket weld / Flanged*

*End connection flanges are welded on.

Non IBR¹ / IBR.

LIMITING CONDITIONS:

	Carbon Steel	Alloy Steel
PMA: Max. allowable pressure	63 bar(g)	65 bar(g)
TMA: Max. allowable temp.	426 °C	510 °C
Maximum operating back pressure at the outlet should not exceed 90% of the inlet pressure		
Minimum diff. pressure for satisfactory operation	0.1 bar	0.1 bar
Cold hydro test pressure	126 bar(g)	130 bar(g)

INSTALLATION:

The trap must be fitted vertically, with the inlet from the bottom and the outlet at the top. Correct vertical fitment is essential for easy movement of the bucket. Care must be taken to ensure that the trap level is below the level of the equipment to be drained. The bypass arrangement should be above the level of the trap.

Fitment of a strainer before the trap inlet is recommended to prevent entry of dirt/ foreign particles into the trap. Full-port isolation valves should be fitted before and after the trap, to be used when the trap has to be opened for maintenance.



IMPORTANT:

Ensure that the trap is primed by opening the inlet valve only a crack, at commissioning, allowing water to fill the trap before the steam enters. Once steam enters, the inlet valve should be opened fully.

The trap should be installed as close as possible to the equipment to be drained. For new pipelines, ensure that the lines are properly flushed, prior to fitting the trap.

MAINTENANCE:

This product has to be removed from the line for maintenance. It is recommended that the trap be opened periodically and the internals inspected for wear, damage and dirt. All worn or damaged parts should be replaced with new spares. A new internal kit comprising of the valve pin, valve seat, bracket and lever should be replaced as a set. The bucket vent hole should be cleaned.

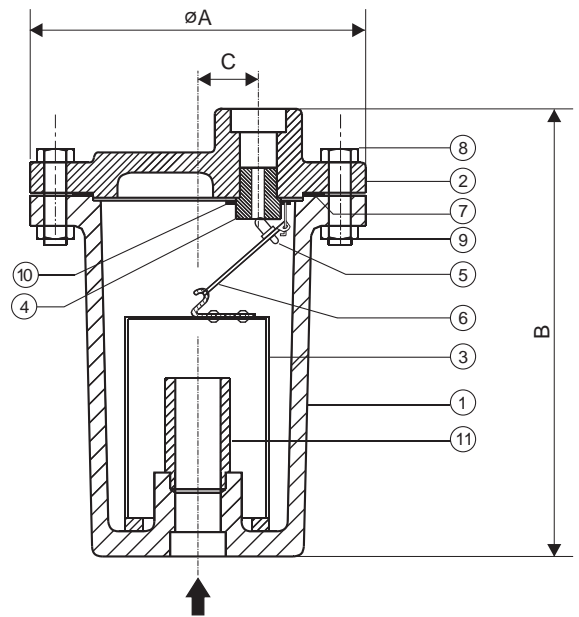
¹Indian Boiler Regulations

MATERIAL:

No.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	ALLOY / CAST STEEL / SS	1
2.	COVER	ALLOY / CAST STEEL / SS	1
3.	BUCKET ASSEMBLY	AISI 304 with CS reinforcing ring	1
4.	VALVE SEAT (Hardened)	13% CR STEEL / AISI 410/ 420	1
5.	VALVE PIN (Hardened)	13% CR STEEL / AISI 410/ 420	1
6.	LEVER	AISI 304	1
7.	GASKET	CAF / Non CAF	1
8.	BOLTS	ASTMA193 Gr. B7	*
9.	NUTS	ASTMA194 Gr. 2H	*
10.	BRACKET ASSEMBLY	AISI 304	1
11.	PIPE	CARBON STEEL	1

Note: All internal screws are AISI 304

* Varies with trap size (10 ~ 12)


DIMENSIONS - Nominal in mm

MODEL	SIZE	A	B	C	Wt.**
PT24-15	DN15	138	181	18	7 kg
PT24-20	DN20	200	268	36	18 kg
PT24-25	DN25	238	285	37	30 kg
PT24-40	DN40	310	382	48	55 kg
PT24-50	DN50	310	382	48	55 kg
PT24-20L★	DN20	138	181	18	7 kg
PT24-25L★	DN25	200	268	36	18 kg

Flanged Traps (Face to face dimensions)

MODEL	#150	#300	#600
PT24-15	260	270	281
PT24-20	350	360	373
PT24-25	375	387	400
PT24-40	482	495	508
PT24-50	482	495	508
PT24-20L★	260	272	285
PT24-25L★	357	370	383

(★ Low capacity trap) ** For traps with socket weld ends

AVAILABLE SPARES:

SPARE KIT: (Operating diff. press. should be specified)

Valve Pin, Valve Seat, Bracket, Lever, Bucket, Gasket.

HOW TO ORDER:

PT24-25 DN40 BSP P

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.

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.