

DESCRIPTION:

Thermodynamic steam trap with universal connector provides a handy solution for maintenance and replacement without disturbing the existing piping.

FEATURES:

The universal connector, once installed, remains in the pipeline permanently. The trap itself is attached to the connector by two bolts, enabling quick installation and replacement.

Ideal for on/off discharge with tight shut off constant pressure / constant load applications.

The trap is of stainless steel construction and integral seat design with hardened disc and seating surface

SIZES: DN15, 20

CONNECTIONS: Universal flange connection suitable for mounting on PU11 / PU11Y connector

Connectors are supplied in Screwed (NPT / BSPT / BSP), Socket weld connections.

Non IBR¹ / IBR approved

LIMITING CONDITIONS:

PMA: Max. allowable pressure	42 bar(g)
TMA: Max. allowable temp.	426 °C
Maximum operating back pressure at the outlet should not exceed 80% of the inlet pressure	
Minimum differential pressure for satisfactory operation	0.25 bar
Cold hydro test pressure	84 bar(g)

INSTALLATION:

The connector can be installed in horizontal or vertical lines. The connector face must be in a horizontal plane. The trap should be fitted to the connector with its cap uppermost. Full-port isolating valves should be installed upstream and downstream of the connector



Picture shows the PT18V trap fitted with a PU11 connector

MAINTENANCE:

The trap can be removed for repair or replacement without disturbing the connector piping connections. Complete isolation of the connector from both supply and return lines is required before the trap is removed.

IMPORTANT:

The trap should be installed as close as possible to the line to be drained.

For new pipelines, ensure that the lines are properly flushed, prior to fitting the traps, to avoid strainer choke-up.

¹Indian Boiler Regulations

MATERIAL

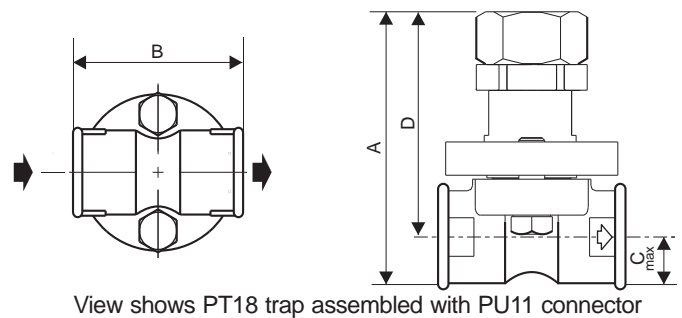
No.	PART	MATERIAL	QTY. (Nos.)
1.	BODY (Seat Hardened)	AISI 420	01
2.	CONNECTOR	ASTM A351 Gr. CF8	01
3.	FLANGE	AISI 410	01
4.	DISC CAP	ASTM A743 Gr. CA40 (Cast Equiv. AISI 420)	01
5.	DISC (Hardened)	AISI 410	01
6.	RETAINER RING	STAINLESS STEEL	01
7.& 8.	GASKET	SPIRAL WOUND (SS) WITH GRAFOIL FILLER	02
9.	BOLT	ASTM A193 Gr. B7 / SS	02
10.	STRAINER SCREEN	AISI 304 (Perforated Sheet)	01
11.	STRAINER CAP	ASTM A743 Gr. CA40 (Cast Equiv. AISI 420)	01
12.*	ISOTUB	STAINLESS STEEL	01

Items 2, 10 & 11 are parts of PU11Y.

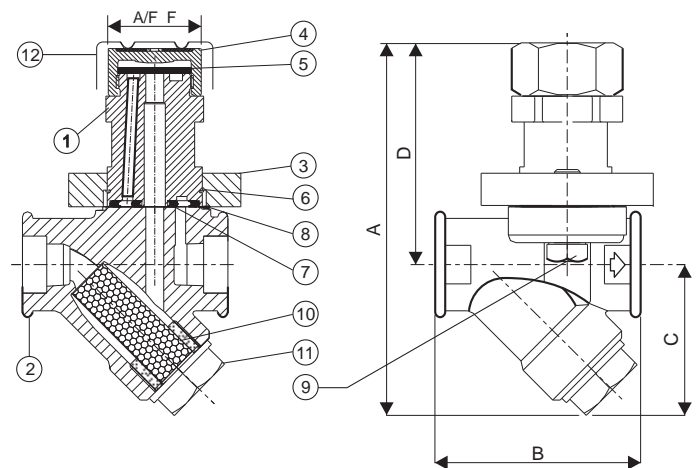
* OPTIONAL FITTINGS

ISOTUB: An insulating cover reduces the effect of excessive heat loss resulting from low ambient temperatures, wind, rain, etc.

BLOW-DOWN VALVE (Available only in PU11Y): When the blow-down valve is opened, loose material collected in the strainer is purged.



View shows PT18 trap assembled with PU11 connector



View shows PT18V trap assembled with PU11Y connector.

DIMENSIONS - Nominal in mm

MODEL	A	B	C	D	E	Wt.
PT18V	108	73	43	88	42	0.85 kg

AVAILABLE SPARES:

Disc, Gaskets, Isotub.

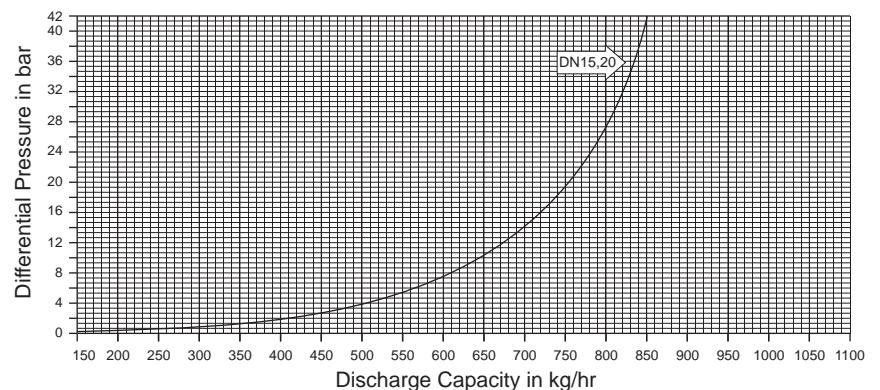
PU11 / PU11Y are not part of PT18 and need to be ordered separately. Refer PU11 / PU11Y data sheet for details.

HOW TO ORDER:

PT18V 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 / Non-IBR



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.