

Housing-Material: P250GH

Nominal diameter: DN15, DN20, DN25, DN40, DN50

Connections:

- Flanges DN 15-50, acc. DIN EN 1092-1 PN 40
- Flanges ½"-2", acc. ANSI B 16.5 Class 150 & 300
- Female thread G ½"-1" (BSP) acc. DIN ISO 228-1
- Female thread ½"-1" NPT acc. ANSI B 1.20.1
- Butt weld acc. DIN EN 12627 as ANSI B 16.25
- Socket weld acc. DIN EN 12760 as ANSI B 16.11
- Other connections on request.

Nominal pressure stage: PN 40

Working media: Steam / -condensate

Function: Discharge and venting of steam systems. A temperature drop opens while an increase of temperature closes the passage. As steam temperature the valve closes.

Special characteristics:

The ¾-corrosion resistant bi-metal control element forms a single item. Due to the large play between valve stem and valve housing, the unit is insensitive to contamination. Valve travel can be adjusted to suit special system requirements, such as supersaturation and backpressure.

Installation: Horizontal or vertical

Design:

Max. working pressure bar ü	33	30	27	25	23
Max. working temperature °C	200	250	300	350	400

Function limit:

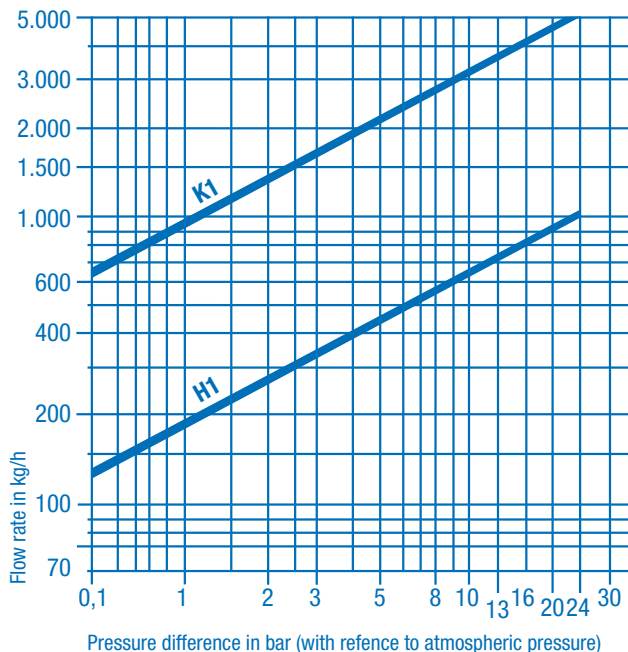
Max. pressure difference bar ü	24
Max. temperature °C	350

CE - mark:

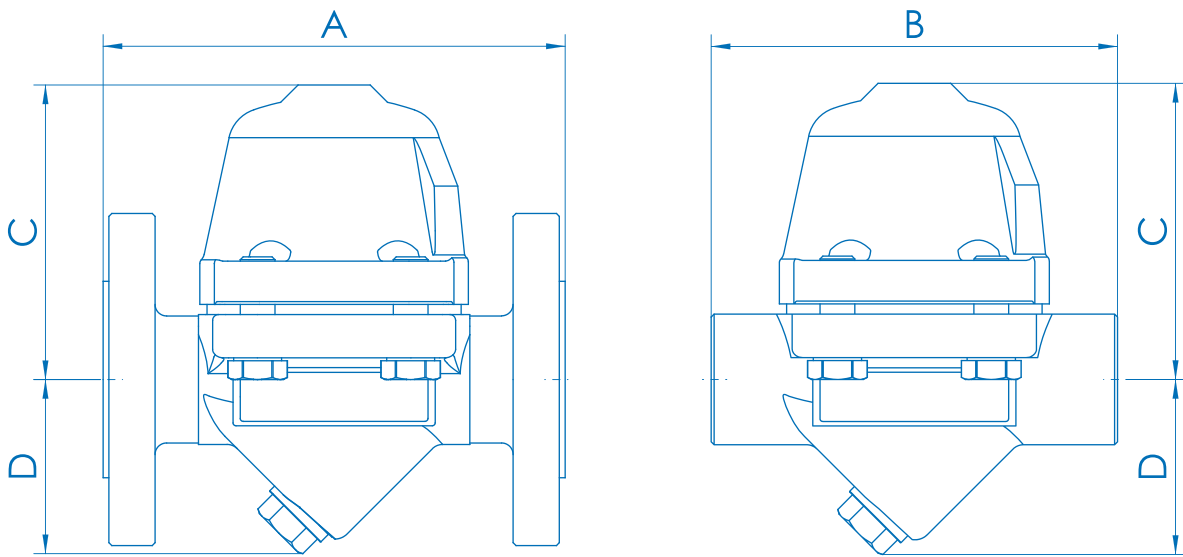
The pressure equipment described is a pressure-keeping component in accordance with the Pressure Vessel Directive 97/23/EC article 3, subs. 3 and bears no CE-mark.

Please state the following when making inquiries / placing orders: Medium, density, initial pressure, counter pressure, temperature, quantity of condensation (kg/h).

Performance:



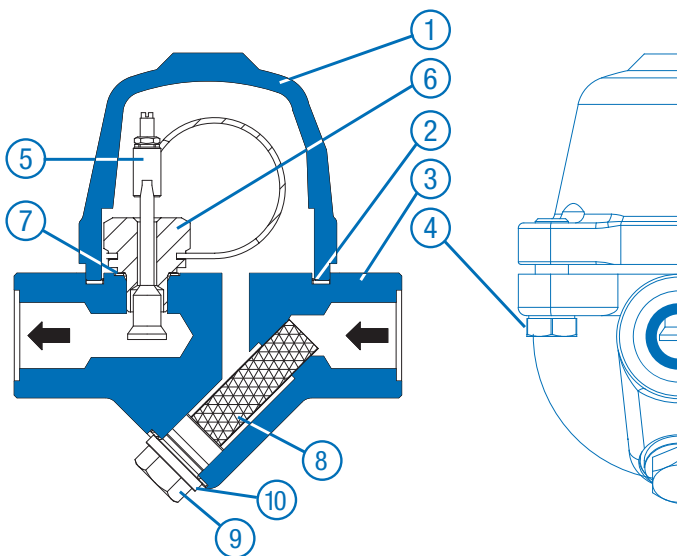
The above diagram shows flow rates of cold condensate K and hot condensate H at approx. 15 K undercooling



Dimensions (in mm), Weight (in kg)

Connections	Thread		BW / SW	Flanges				
	1/2"	3/4" / 1"	1/2" / 1"	15	20	25	40	50
A	-	-	-	150	150	160	230	230
B	100	140	140	-	-	-	-	-
C	105	105	105	105	105	105	105	105
D	60	60	60	60	60	60	60	60
Weight	3	3,5	4	5,5	6	6,5	9	10

Spare Parts



- 1 **Upper housing:** P250GH

- 2 **Housing seal:** Novaphit

- 3 **Lower housing with flange:** P250GH

- 4 **Set Screws:** DIN 933 - A4-70 - M12

- 5 **bi-metal control complete*:**
corrosion resistant bi-metal

- 6 **Valve seat complete*:** 1.4104

- 7 **Seal for G 3/8":** Soft iron

- 8 **Strainer:** 1.4301

- 9 **Locking Screw:** DIN 910 - 5.8 - G 1/2"

- 10 **Seal for G 1/2":** Soft iron

* Due to sealing requirements, marked items cannot be supplied as individual parts.

To ensure correct parts delivery, specify part number, works standard sheet number and DN.