

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

Nominal pressure stage: PN 40

Working media: Steam / -condensate

Function: Formation of flash vapor due to drop in pressure and this contraction (partial load). Contraction at zero load due to increase of specific steam volume.

Max. vapor loss with the complete absence of condensate

The jet diameter is designed according to the quantity of hot condensate to be discharged.

The steam passage is reduced in the ratio of the specific volumes from saturated steam to superheated steam.

Special characteristics: No moving parts thus resistant to wear and not faultprone. Intensive to contamination. Automatic ventilation / venting. Automatic condensate discharge when system is switched off. Installation possible in any position. Compact design

Installation: Horizontal or vertical

Design:

Max. working pressure bar ü	40	37,1	33,3	27,6	23,8
Max. working temperature °C	-10/20	100	200	300	400

Function limit:

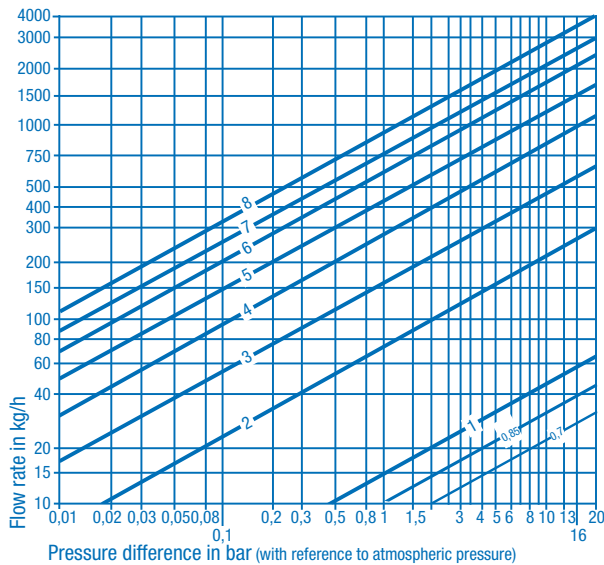
Jet diameter (mm)	0,7- 8
Max. pressure difference (bar g)	20

CE - mark:

The pressure equipment described is a pressure-keeping component in accordance with the Pressure Vessel Directive 2014/68/EU article 4, 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:



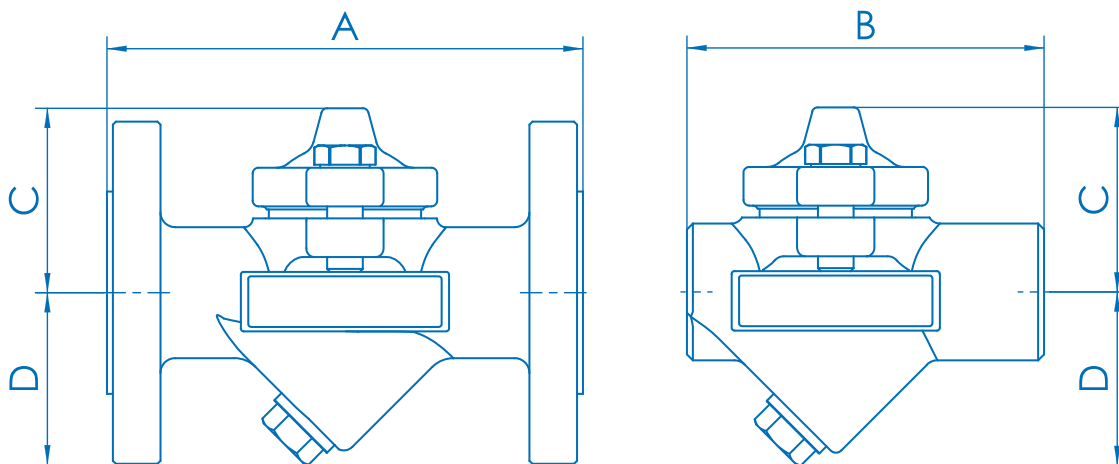
The diagram shows the performance-lines for jet diameters 0,7-8 mm.



Installation Dimensions

4210

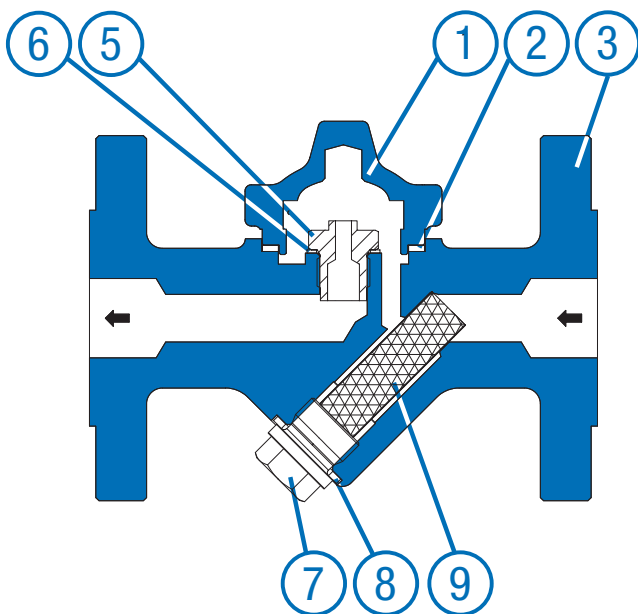
PN 40



Dimensions (in mm), Weight (in kg)

Connection	Thread			Butt weld Socket weld	Flange				
	1/2"	3/4"	1"	DN 15 - 25 (1/2" - 1")	DN 15 (1/2")	DN 20 (3/4")	DN 25 (1")	DN 40 (1 1/2")	DN 50 (2")
A	-	-	-	-	150	150	160	230	230
B	100	100	120	120	-	-	-	-	-
C	65	65	65	65	65	65	65	65	65
D	60	60	60	60	60	60	60	60	60
Weight	3,9	4,2	4,3	4,3	5,3	5,8	6,8	10	11

Spare Parts



- 1 **Upper housing:** P250GH
- 2 **Housing Gasket:** Novaphit
- 3 **Lower housing with flange:** P250GH
- 4 **Set Screws:** DIN 933 - A4-70 - M12 (not visible)
- 5 **Jet:** 1.4104
- 6 **Gasket:** Soft iron
- 7 **Screw plug:** DIN 910 - 5.8 - G 1/2" (BSP)
- 8 **Gasket:** Soft iron
- 9 **Strainer:** 1.4301

To ensure correct parts delivery, specify position-number, works standard sheet number 4210.