

Housing Material: EN-GJS-400-18-LT (5.3103)

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

Connections:

- Flanges DN 15-50, acc. DIN EN 1092-2, PN 25
- Female thread G 3/4"-1" (BSP) acc. DIN ISO 228-1
- Female thread 3/4" NPT acc. ANSI B 1.20.1
- Flange connection dimensions acc. ANSI B16.6, Class 150 / 300

Nominal pressure stage: PN 25

Operation-Limits:

Max. operating pressure in bar g	25	23	20
Max. operating temperature °C	-10/120	200	300

Application: Venting of liquid carrying systems.

Function: The float control assembly discharges air and gases from all liquid carrying systems without time delay, independent of pressure and temperature variations. With the float in the lower position the outlet cross-section is open. Air and gases escape through the upturned immersion tube. Rising of the liquid level lifts the float and closes the outlet.

Special characteristics: Only one movable point since the rotary-slide-valve is both swivel joint and shut-off device.

Installation:

Entry from below, lateral exit

Additional equipment against extra prices:

- Gaskets free of non ferrous metal
- Housing screws made of A4-70
- Float control with special cross-section V, VIIa or VIIIb

Function-limit:

Float control cross-section	max. line pressure in bar g
IIId	25
III	16
IV	14
V	3
VI	25
VIIa	25
VII	25
VIIIa	5
VIIIb	4,5

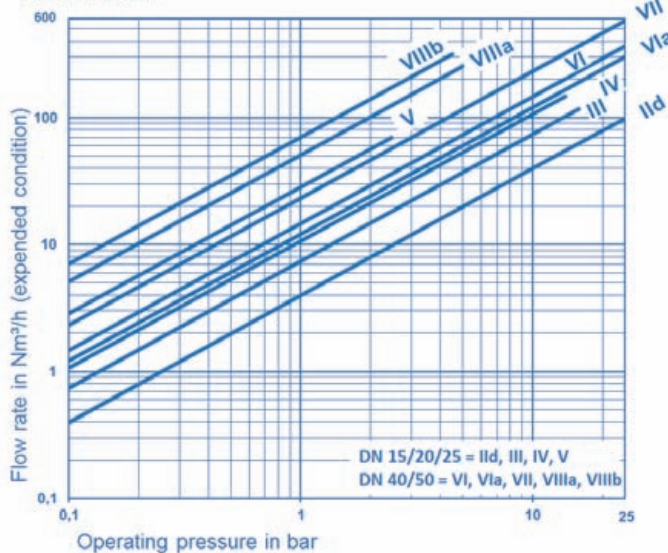
CE - Mark:

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

DN15-25: no CE-Mark,

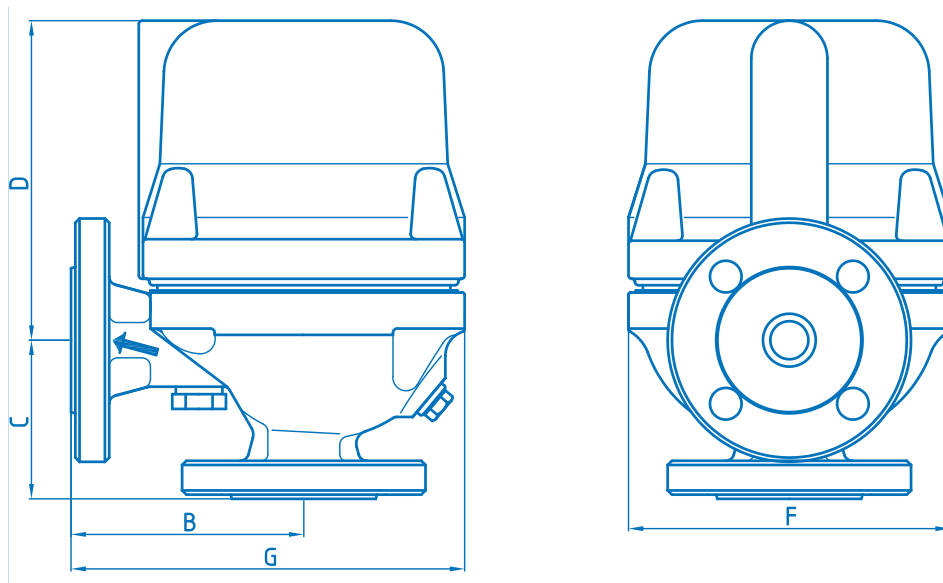
DN 40/50: Conformity verified through the identifying mark CE 0525.

Performance:



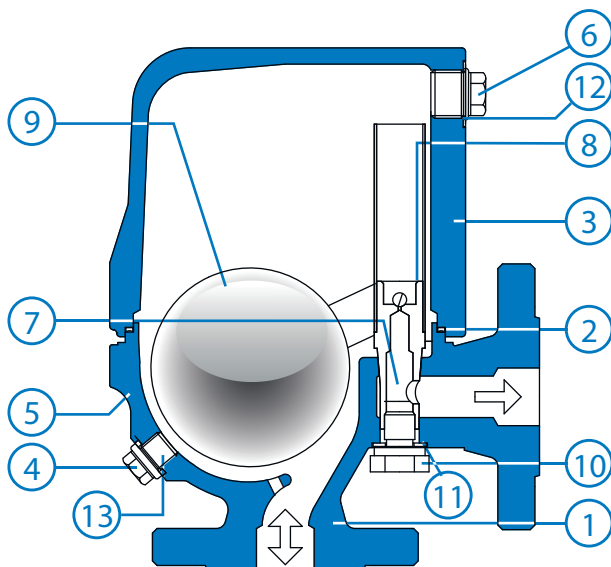
The performance diagram applies to venting into atmosphere, i. e. without back pressure. The performance values apply to normal air expansion. The performance value of air being under pressure is determined by dividing the value of the diagram by operating pressure in bar.

Please state the following when making inquiries / placing orders: Medium, density, initial pressure, counter pressure, temperature, quantity of gas / air (Nm³/h).



DN	G ¾" (NPT)	G1"	15	20	25	40	50
B	110	110	110	110	110	160	160
C	75	75	75	75	75	110	110
D	150	150	150	150	150	220	220
F	∅ 152	∅ 152	∅ 152	∅ 152	∅ 152	∅ 230	∅ 230
G	186	186	186	186	186	275	275
Weight	9	9	9	10,5	11	26,5	28

Spare Parts



- 1 **Upper part of housing:** EN-GJS-400-18-LT (5.3103)
- 2 **Housing gasket:** PTFE-special, soft iron
- 3 **Lower part of housing:** EN-GJS-400-18-LT (5.3103)
- 4 **Control screw:** 1.4104
- 5 **Set housing bolts:** M14/M16, DIN 939/931/ ISO 4032
- 6 **Screw plug:** DIN 910 - 5.8 - G ½"
- 7 **Float control, complete including supporting screw**:** 1.4057/1.4112/1.4301/1.4104 or complete 1.4571*
- 8 **Supporting structure, complete with rotary slide valve and cotter pin*:** 1.4057/1.4301/1.4104/1.4112 or complete 1.4571*
- 9 **Float with fork:** SS 1.4301 or 1.4571*
- 10 **Supporting screw:** 1.4104 or 1.4571*
- 11 **Gasket:** PTFE-special, soft iron
- 12 **Gasket:** PTFE-special, soft iron
- 13 **Gasket:** PTFE-special, soft iron

* dependent of application

** Individual parts cannot be delivered for reasons of tightness.

To ensure correct parts delivery, please specify part number, works standard sheet number 8180, DN, and for spare parts of control components the cross-section.