

Globe Valve

with bellow seal

AT 1028B

| | | | |
|-------------------------------------|-----------------|---|---------------------------------|
| Dimension range DN 15-100 | PN 25 | Temperature range -10 °C to +300 °C | Material Ductile iron |
|-------------------------------------|-----------------|---|---------------------------------|

Range of application

Shut-off valve for:

- Steam
- Condensate
- Hot water
- Thermal oil

PSB.5 Globe Valve

Globe valve AT 1028B..., DN..., flanged connection. Ductile iron body with stainless steel bellows.

Quality assurance

Testing is carried out in accordance to EN 12266-1. Leakage class A applies to this type of valve.

CE-marking

The valves meet the requirements in AFS 2016:1 and 2014/68/EU (Pressure Equipment Directive).

Material specification

| Pos | Component | Material |
|-----|------------|------------------------------|
| 1 | Body | Ductile iron EN-GJS400-18-LT |
| 2 | Bonnet | Ductile iron EN-GJS400-18-LT |
| 3 | Seat | Stainless steel 1.4006 |
| 4 | Cone/globe | Stainless steel 1.4021 |
| 5 | Bellow | Stainless steel 1.4571 |

Dimensions and weight

| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|--------|-----|-----|-----|-----|-----|-----|------|------|-----|
| A | 130 | 150 | 160 | 180 | 200 | 230 | 290 | 310 | 350 |
| B | 178 | 178 | 193 | 201 | 224 | 228 | 270 | 295 | 321 |
| C | 125 | 125 | 125 | 125 | 150 | 150 | 175 | 200 | 250 |
| Weight | 3,2 | 3,9 | 4,6 | 6,5 | 9,0 | 11 | 15,8 | 20,5 | 35 |

Dimension in mm, weight in kg.

Function and design

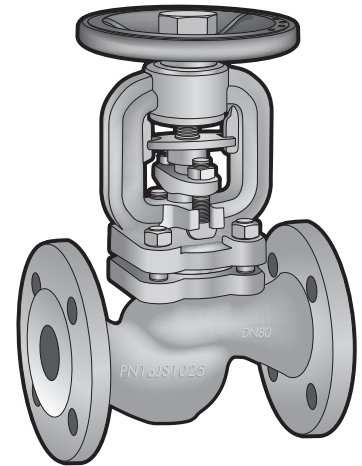
With bellows that prevent the fluid from coming in contact with the stuffing box. This eliminates the risk of leakage from the stuffing box.

- External stem thread
- Position indicator, open/closed
- Non-rising handwheel

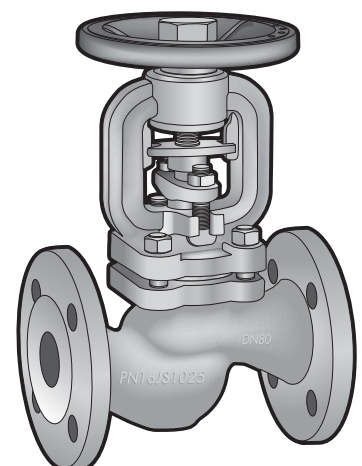
Technical information

Pressure and temperature

According to DIN EN 1092-2, with the following maximum values:



AT 1028B



AT 1028B

| Working pressure max. bar | Working temperature max. °C |
|------------------------------|--------------------------------|
| 25 | -10 |
| 25 | 120 |
| 24,3 | 150 |
| 23 | 200 |
| 21,8 | 250 |
| 20 | 300 |
| 17,5 | 350 |

Pressure Drop

To calculate the pressure drop the following values are used:

| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|-----------------|-----|-----|----|----|----|----|----|-----|-----|
| K _{vs} | 5,9 | 7,4 | 13 | 18 | 30 | 41 | 79 | 115 | 181 |

Accessories and options

Larger dimensions on request.
Pressure class according to PN16.

Installation

Connections

Connection flanges according to SS 335 - PN25 . Can be mounted in any position except with handwheel pointing downwards.
Vibrations in the piping system should be avoided. The system should be flushed before startup.

Maintenance and spare parts

The valve is practically maintenance free.

Marking

Manufacturer, DN, PN, CE, material and flow arrow.

How to order

| Example: AT 1028B50 | |
|----------------------------------|----|
| AT 1028B | 50 |
| Fig. No. | DN |
| RSK-number, see the RSK-register | |