

Product information

High-pressure steel stop valve with flanges, PN160. Used as a shut-off valve for process water, aggressive media, among others. Suitable for industrial applications.

Dimension range (DN)	15 - 50
PN	63 - 160
Temperature (°C)	-10 - 550
Main material	Steel

## Area of use

For applications in industrial installations, hospitals, food and beverages, processing technology, vapour facilities, plant manufacturing. As a shut-off valve for process water, aggressive media, among others.

## Tender text

**PSB.5 Ball valves and needle valves**

## Quality assurance

AFS 2023:5, PED 2014/68/EU

**The product is CE marked**

**Product marking:** Manufacturer, DN, PN, CE, Material and flow direction

## Energy and environment declaration

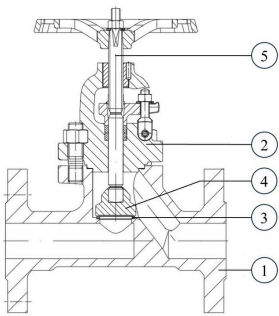
**Reach date:** 12/3/2024 1:00:15 PM

**Reach note:** The product is not covered by REACH

List of details

Pos	Component	Material
1	Body	Steel 13CrMo4-5 (1.7335)
2	Bonnet	Steel 13CrMo4-5 (1.7335)
3	Seat	Steel 13CrMo4-5 (1.7335)
4	Globe	Steel 13CrMo4-5 (1.7335)
5	Spindle	Martensitic stainless steel (1.4122)

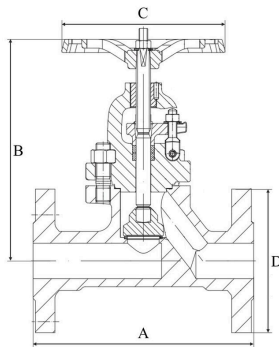
Stellite-reinforced sealing between seat and globe.



Measurements and weight

Dimension range (DN): 15 - 50

DN	15	20	25	32	40	50
A	210	230	230	260	260	300
B	228	228	228	292	292	300
C	180	180	180	225	225	225
D	105	130	140	155	170	195
Net weight (kg)	8.9	10.5	11.5	19	21	27



Function and design

With rising, externally threaded stem. Metal-sealing with a seat reinforced with Stellite.

Max operational pressure and temperature:

- 160bar at 250°C
- 139bar at 300°C
- 125bar at 350°C
- 118bar at 400°C
- 112bar at 450°C
- 72bar at 500°C
- 35bar at 530°C

Technical data

**Main material:** Steel  
**Main material code:** Steel 13CrMo4-5 (1.7335)  
**Included materials:** Steel, Stainless steel  
**Included material code:** Martensitic stainless steel (1.4122), Steel 13CrMo4-5 (1.7335)  
**Temperature (°C):** -10 - 550  
**PN:** 63 - 160  
**Connection:** Flanged EN1092  
**ETIM classification:** EC010120 - Globe valve

DN	15	20	25	32	40	50
KVS	4.2	6.4	8.6	21.8	24.2	33

Installation and maintenance

**Flowdirection:** Uni-directional  
**Possible mounting position:** Vertical, Horizontal  
Can be installed with the stem in any direction, but not with downward-facing handwheel. The preferred stem position is vertical. The system should be flushed before commissioning.

Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

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THE COMPANY'S MANAGEMENT SYSTEM  
IS CERTIFIED BY DNV  
ISO 9001 • ISO 14001