



## Product information

Steel cone valve with flanges, PN 40. With rising, externally threaded spindle. Flat sealing surfaces. The packing box is pressure-relieved with the cone in the fully open position. Valves from DN 125 have a pressure-relieved cone as standard, which also means that the flow direction is from the opposite direction, i.e. from top to bottom. Used as a shut-off valve for steam, condensate, and hot water.

Dimension range (DN)	15 - 250
PN	40
Temperature (°C)	-10 - 400
Main material	Steel

## Area of use

As shut-off valve for:

- steam
- hot water
- condensate

## Tender text

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

Cone valve AT 1040C..., DN..., flanged connection. Housing made of steel and bellows made of stainless acid-resistant steel.

## Quality assurance

AFS 2023:5, PED 2014/68/EU

### **The product is CE marked**

**Product marking:** Manufacturer, DN, PN, material, and arrow indicating flow direction.

## Energy and environment declaration

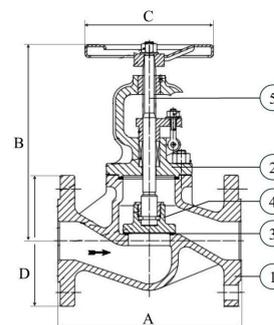
**Reach date:** 12/3/2024 1:00:01 PM

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

### List of details

Pos	Component	Material
1	Body	Steel GP240GH N (1.0619)
2	Bonnet	Steel GP240GH N (1.0619)
3	Seat	Steel GP240GH N (1.0619)
4	Globe	Steel GP240GH N (1.0619)
5	Spindle	Martensitic stainless steel (1.4021)

Stellite-reinforced sealing between seat and globe.



### Measurements and weight

**Dimension range (DN):** 15 - 250

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
A	130	150	160	180	200	230	290	310	350	400	480	600	730
B	185	185	220	220	235	255	300	335	370	390	400	495	660
C	140	140	160	160	180	180	225	250	300	350	400	500	500
D	95	105	115	140	150	165	185	200	235	270	300	375	450
Net weight (kg)	4	5.5	6.5	8	11	13.5	19	28	41.5	62	92	148	298

### Function and design

Rising, externally threaded spindle. Flat sealing surfaces.  
 The packing box is pressure relieved with the cone in fully open position.  
 Maximum working pressure and temperature:  
 35 bar at 200°C  
 28 bar at 300°C  
 21 bar at 400°C.

### Technical data

**Main material:** Steel  
**Main material code:** Steel GP240GH N (1.0619)  
**Included materials:** Stainless steel, Steel

**Included material code:** Steel GP240GH N (1.0619)

**Temperature (°C):** -10 - 400

**Temperature notes:** DIN EN 1092 determines the allowable operating pressure in relation to temperature.

Maximum 35 bar at 200°C

Maximum 28 bar at 300°C

Maximum 21 bar at 400°C

**PN:** 40

**Connection:** Flanged EN1092

**ETIM classification:** EC010120 - Globe valve

**BK04 code:** 20707 Mushroom valves

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
KVS	4.8	7.3	9.6	17.8	27.3	40.1	70.1	111	172	264	374	701	1035

## Installation and maintenance

**Possible mounting position:** Vertical, Horizontal

Can be installed in any built-in position. Exception: downward-facing valve.

The system is flushed before commissioning.

Valves DN15-100 have a flow direction from bottom to top (under the cone).

Valves DN125-250 have the opposite flow direction, i.e. from top to bottom.

However, the flow direction is always indicated by an arrow on the valve housing.

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  
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