

V25

V25 111 616.476 PN16 DN15-200 Globe valve with stainless steel bellow flanged



ISO 9001

BUREAU VERITAS
Certification



CE

- Size :** DN 15 to DN 200
- Ends :** Flanges R.F. PN16/25
- Min Temperature :** - 10°C
- Max Temperature :** + 350°C
- Max Pressure :** 25 Bars up to DN50 (16 bars over)
- Specifications :** Non rising stem
Bolted bonnet and gland pack
Stainless steel bellow

Materials : Ductile iron body

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SPECIFICATIONS :

- Respect the flow direction indicated by the arrow
- Non rising stem
- Bolted bonnet and gland pack
- Stainless steel bellow
- Conical disc
- Pressed seat in the body
- Anti-turn device to avoid the risk of torsion of bellows
- Flanges R.F. PN25 up to DN50, PN16 over
- RAL 9006 grey painting, 15µm thickness

USE :

- Common fluids of 2nd group , steam , thermic fluid
- Min and Max Temperature Ts : - 10°C to + 350°C
- Max Pressure Ps : 25 bars up to DN50, 16 over (see graph)
- Keep greased the stem
- Steam : 10 bars max

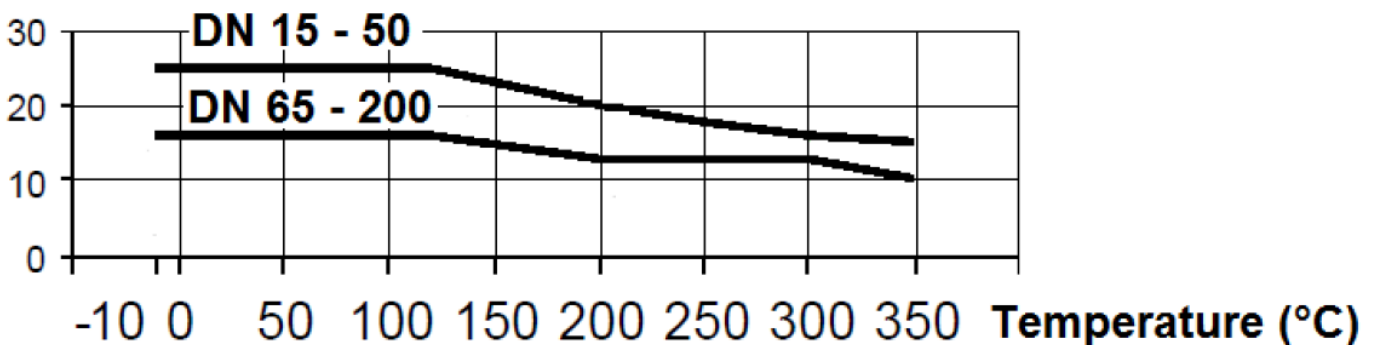
FLOW COEFFICIENT Kvs (M3 / h) :

| DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|--------------|-----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| Kvs (m3/h) | 3.8 | 7 | 10 | 19 | 35 | 43 | 60 | 110 | 146 | 210 | 300 | 670 |

PRESSURE / TEMPERATURE GRAPH :

Pressure

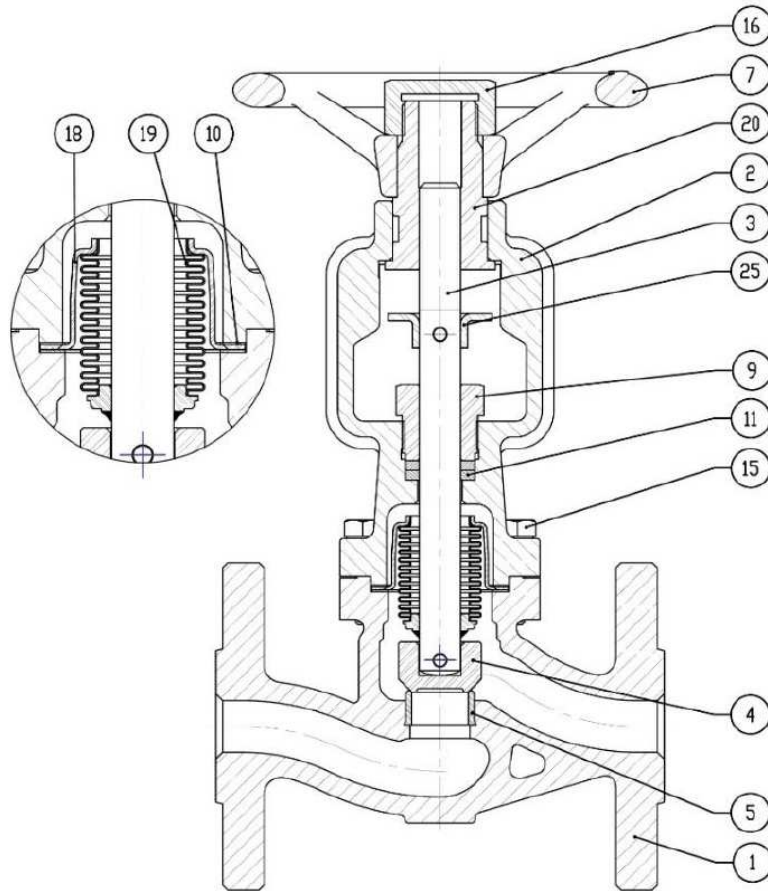
(Bar)



RANGE :

- Ductile iron globe valve with stainless steel bellow flanged R.F. PN25 up to DN50, PN16 over **Ref. 476** DN 15 to DN 100
- Carbon steel body globe valve with stainless steel bellow flanged R.F. PN16 **Ref. 476** DN 125 to DN 200

MATERIALS :

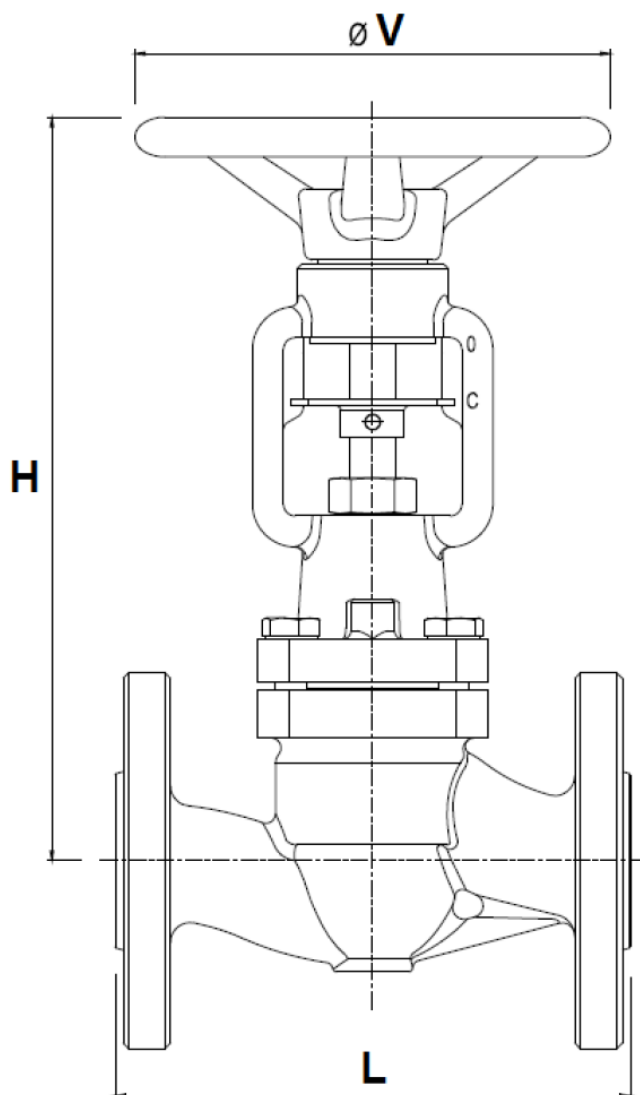


| Item | Designation | Materials DN15-50 | Materials DN65-100 | Materials DN125-200 |
|------|------------------|----------------------------|----------------------------|------------------------------|
| 1 | Body | Ductile iron EN GJS-400-18 | Ductile iron EN GJS-400-18 | Carbon steel A216 WCB 1.0619 |
| 2 | Bonnet | A216 WCB 1.0619 | EN GJS-400-18 | EN GJS-400-18 |
| 3 | Stem | | AISI 303 (1.4305) | |
| 4 | Disc | | AISI 420 (1.4021) | |
| 5 | Seat | | X 22 CrNi 17 (1.4059) | |
| 7 | Handwheel | | EN GJS-400 | |
| 9 | Gland | | Steel EN 10087 | |
| 10 | Gasket | | Graphite | |
| 11 | Packing | | Graphite | |
| 15 | Screw | | Steel C35E | |
| 16 | Handwheel nut | | Steel EN 10087 | |
| 18 | Hood | | AISI 303 (1.4305) | |
| 19 | Bellow | | AISI 316 Ti (1.4571) | |
| 20 | Threaded bushing | | Steel EN 10087 | |
| 25 | Anti turn device | | Steel EN 10025 | |
| | Lubricator | | Brass | |

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SIZE (in mm) :

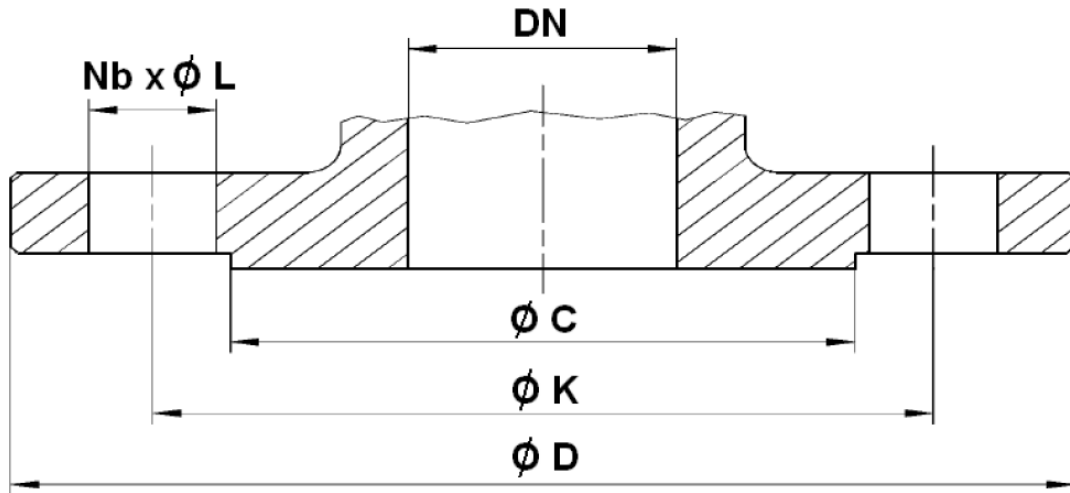


| Ref. | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|------|-------------|-----|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|
| 476 | L | 130 | 150 | 160 | 180 | 200 | 230 | 290 | 310 | 350 | 400 | 480 | 600 |
| | H | 190 | 195 | 220 | 219 | 254 | 265 | 328 | 341 | 376 | 488 | 531 | 663 |
| | Ø V | 140 | 140 | 140 | 140 | 180 | 180 | 200 | 200 | 250 | 330 | 330 | 400 |
| | Weight (Kg) | 3.2 | 4.4 | 4.8 | 6.3 | 11 | 13 | 21.3 | 26.4 | 40 | 53.5 | 84 | 157 |

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FLANGES SIZE (in mm) :



| Ref. | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 476 | Ø C | 46 | 56 | 65 | 76 | 84 | 99 | 118 | 132 | 156 | 184 | 211 | 266 |
| | Ø D | 95 | 105 | 115 | 140 | 150 | 165 | 185 | 200 | 220 | 250 | 285 | 340 |
| | Ø K | 65 | 75 | 85 | 100 | 110 | 125 | 145 | 160 | 180 | 210 | 240 | 295 |
| | Nb x Ø L | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 19 | 4 x 19 | 4 x 19 | 4 x 19 | 8 x 19 | 8 x 19 | 8 x 19 | 8 x 23 | 12 x 23 |

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STANDARDS :

- Fabrication according to ISO 9001 : 2008
- Designing according to DIN 3840
- Marking according to EN 19
- DIRECTIVE 97/23/CE : CE N° 0035
Risk category III Module H
- Pressure Tests according to EN 12266-1, range A
- Length according to EN 558 series 1 (DIN 3202 F1)
- Flanges R.F. according to EN 1092-2 PN16-PN25

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INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage.
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS :

- **Before installing the valves, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned** (if they're not, the valves may not work correctly).
- **Make sure that the two sections of the pipe (upstream and downstream) match, the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture. To be sure, place the kit in position to ensure the assembling will work.**
- **If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.**
- Tighten the bolts in cross.
- It's recommended to operate the valve (open and close) 1 to 2 times per year
- Tighten the gland packing at the first start of the installation (with a moderate torque) so that there's no leakage and the handwheel is easy to operate.
- Do not use tools to operate the handwheel
- Respect the flow direction indicated by the arrow