

Cryogenic-Globe and Globe/Check Valves, 725 P.S.I.

Bronze body and topwork
 “live loaded” gland packing
 “cleaned and degreased for oxygen service “

Part No. 01301.X.0008

Part No. 01301.X.5008 Globe/Check Valve

Complete with brazed copper stubs acc. to DIN EN 12449

Available options - on request only:

- Valve with control disc (tapered design)

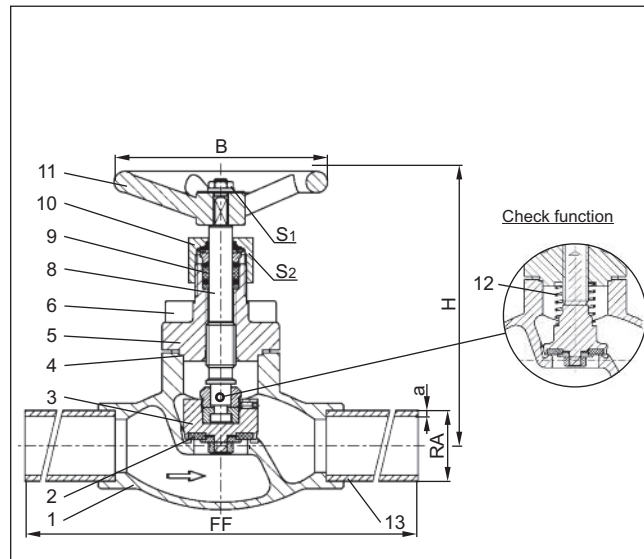


GVNPB Series

Applications:

Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.
 Working temperature: -196°C / -321°F (77K) up to +120°C / +248°F (393K)
 Recommended working temperature: -60°C / -76°F (213K) up to +120°C / +248°F (393K)

| Materials | ASTM |
|-----------------|----------------------------|
| 1 Body | B 62 UNS C83600 |
| 2 Valve seal | PTFE / Carbon filled (25%) |
| 3 Disc | B 283 UNS C38500 |
| 4 Bonnet gasket | PTFE |
| 5 Headpiece | B 505 UNS C93200 |
| 6 Bolts | A 194 B8 |
| 8 Stem | A 276 Grade 304 |
| 9 Gland packing | Graphite / PTFE |
| 10 Gland nut | B 283 UNS C38500 |
| 11 Handwheel | Aluminium alloy |
| 12 Spring | B 103 UNS C51900 |
| 13 Copper stubs | B 152 |



Standard marking acc. to Pressure Equipment Directive 97/23/EG (PED).



Marking acc. to Directive 99/36/EG (TPED) will only be carried out by written notice on purchase order.

| Type 01301 – Standard design | Technical data | | | | | | | | |
|------------------------------|----------------|------|------|------|------|------|--------|--------|------|
| | Inches | 3/8" | 1/2" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Nominal size | .X. | 1012 | 1515 | 1518 | 2022 | 2528 | 3235 | 4042 | 5054 |
| Dimensions code | .X. | 1012 | 1515 | 1518 | 2022 | 2528 | 3235 | 4042 | 5054 |
| Face-to-face dimension | FF | 360 | 385 | 385 | 385 | 415 | 415 | 420 | 460 |
| Height | H | 140 | 140 | 140 | 140 | 140 | 170 | 175 | 200 |
| Outside pipe -ø | RA | 12.0 | 15.0 | 18.0 | 22.0 | 28.0 | 35.0 | 42.0 | 54.0 |
| Wall thickness pipe | a | 1.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 |
| Handwheel-ø | B | 80 | 100 | 100 | 100 | 100 | 125 | 125 | 125 |
| Wrench size across flats | S ₁ | 10 | 10 | 10 | 10 | 10 | 13 | 13 | 13 |
| Wrench size across flats | S ₂ | 30 | 30 | 30 | 30 | 30 | 36 | 36 | 36 |
| Weight | LBS. | 2.42 | 3.08 | 3.08 | 3.96 | 5.28 | 7.04 | 10.56 | 16.5 |
| CV-Value | gal/min | 2.6 | 5.0 | 5.0 | 7.8 | 13.4 | 14.1 | 26.3 | 43.2 |

Dimensions in mm