

PN 16 FLANGED GLOBE VALVE (FAF 2100)



TSEK

PG
GOST
RUSSIA

RINA **QUACER**
ISO 9001:2000

PRODUCT FEATURES

- Body, bonnet and handwheel: GG 25 cast iron
- Flanges are according to: ISO 7005 - 2.
- Valve mounting dimensions conform to DIN 3202 F1.

APPLICATIONS

Steam, gas, cold, hot and pressurized hot water systems, any fluid without acidity or alkalinity, compressed air etc.

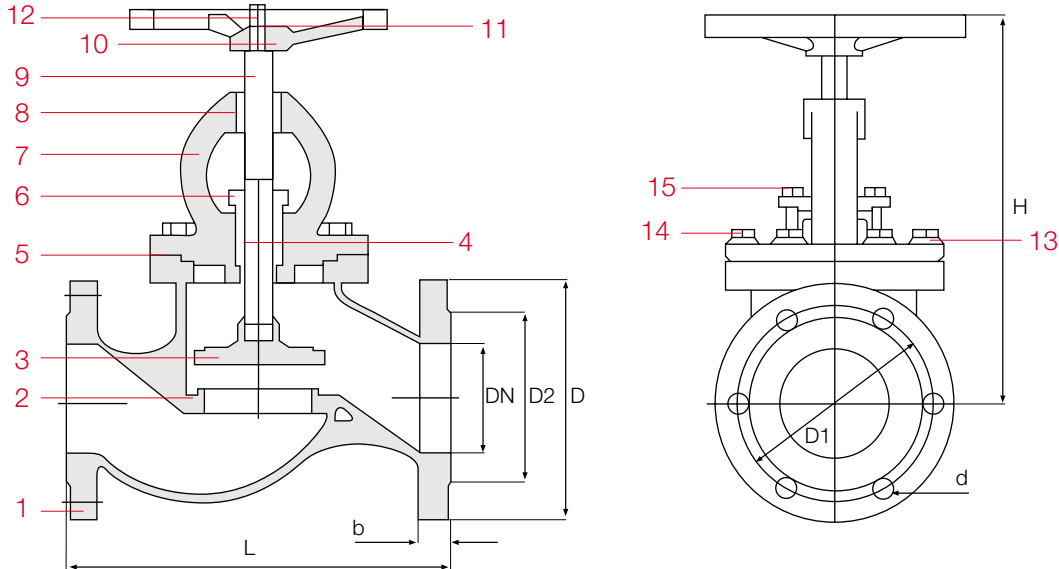
OPERATING TEMPERATURE

Max +200°C

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DIMENSIONS AND PRODUCT DATA



ITEMS AND MATERIALS

- | | |
|------------------------------------|---------------------------------|
| 1. Body / GG 25 cast iron | 9. Stem / Stainless Steel |
| 2. Seat Ring / Stainless Steel | 10. Handwheel / GG 25 cast iron |
| 3. Disc / GG 25 or stainless steel | 11. Washer / Steel |
| 4. Packing / Graphite | 12. Nut / Steel |
| 5. Bonnet Gasket / Graphite | 13. Washer / Steel |
| 6. Gland / GG 25 cast iron | 14. Stud / Steel |
| 7. Bonnet / GG 25 cast iron | 15. Stud / Steel |
| 8. Nut / Brass | |

FAF 2100

PN 16 FLANGED GLOBE VALVE

| DN | DIMENSIONS | | | | | | | | | PRODUCT DATA | |
|-----|------------|-----|----|-----|-----|-----|----|----|------|--------------|--------------|
| | Ømm | H | L | d | D | D1 | D2 | b | n | KV m³/h | Weight Kg |
| 15 | 185 | 130 | 14 | 95 | 65 | 45 | 12 | 4 | 5 | 3.00 | |
| 20 | 195 | 150 | 14 | 105 | 75 | 58 | 14 | 4 | 8 | 3.90 | |
| 25 | 225 | 160 | 14 | 115 | 85 | 68 | 14 | 4 | 11 | 4.80 | |
| 32 | 235 | 180 | 18 | 140 | 100 | 78 | 18 | 4 | 18 | 7.20 | |
| 40 | 260 | 200 | 18 | 150 | 110 | 88 | 15 | 4 | 28 | 9.20 | |
| 50 | 305 | 230 | 18 | 165 | 125 | 102 | 17 | 4 | 46.3 | 14.30 | |
| 65 | 310 | 290 | 18 | 185 | 145 | 122 | 17 | 4 | 72 | 18.10 | |
| 80 | 355 | 310 | 18 | 200 | 160 | 135 | 19 | 8 | 126 | 22.30 | |
| 100 | 380 | 350 | 18 | 220 | 180 | 158 | 21 | 8 | 170 | 34.70 | |
| 125 | 430 | 400 | 18 | 250 | 210 | 188 | 23 | 8 | 267 | 46.60 | |
| 150 | 490 | 480 | 23 | 285 | 240 | 212 | 23 | 8 | 380 | 62.60 | |
| 200 | 630 | 600 | 23 | 340 | 295 | 288 | 27 | 12 | 683 | 123.40 | |
| 250 | 720 | 730 | 27 | 405 | 355 | 320 | 29 | 12 | 1057 | 185.40 | |
| 300 | 900 | 850 | 27 | 460 | 410 | 378 | 29 | 12 | 1510 | 258.70 | |

MATERIAL PROPERTIES

| MATERIAL TYPE | MATERIAL PROPERTY |
|----------------------------|--|
| GG 25 Cast Iron | Tensile strength = 250-350 N/mm ² Hardness = Max. 250 Brinell (BHN) |
| GGG 40 Ductile Iron | Tensile strength = 400-550 N/mm ² Hardness = 135 - 185 Brinell (BHN) |
| Stainless Steel DIN 1-4086 | C = 0.9 - 1.3 Si Max.=2 Mn Max.=1 Cr = 27 - 30 |
| Stainless Steel SAE-304 | C max = 0.08 Si Max.=1 Mn Max.=2 Cr = 18-20 Ni = 8 - 10.5 |
| Stainless Steel SAE-316 | C max = 0.08 Si Max.=1 Mn Max.=2 Cr = 16-18 Ni = 10- 14 |
| PTFE | Density= 2.13-2.23 gr/cm ³ Tensile strength = 250-300 kg/cm ² Operating Temperature = -85°C / +200°C 392° F |
| PTFE (25 % Carbon) | Density= 2.1-2.2 gr/cm ³ Tensile strength = 165-170 kg/cm ² |
| Graphitic Ring | Graphite purity = %98 Density= min.1.6 gr/cm ³ |
| St 37 | C = < 0.2 P Max.= 0.06 S Max.= 0.05 Tensile strength = 360-440 N/mm ² |
| Steel (Ç1030) | C = 0.30 P Max.= 0.06 S Max.= 0.06 Tensile strength = 490 N/mm ² |