# GATE VALVE
# FIG. BFE-S21A

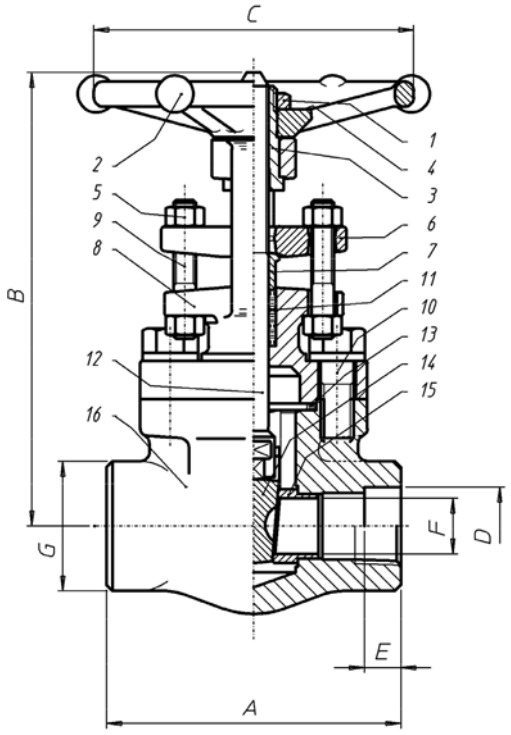
- Bolted bonnet gate valve
- Reduced bore
- Outside stem & yoke
- Class 800 lbs
- NPT threaded according to ANSI B1.20.1
- Available with trim 5 (BFE-S21A5) or trim 8 (BFE-S21A8)
- Materials according to: ISO 15156
  NACE MR.0175 ED. 2009
  NACE MR.0103 ED. 2012




ATEX

Subject to changes

# GATE VALVE
# FIG. BFE-S21A




## MATERIALS:

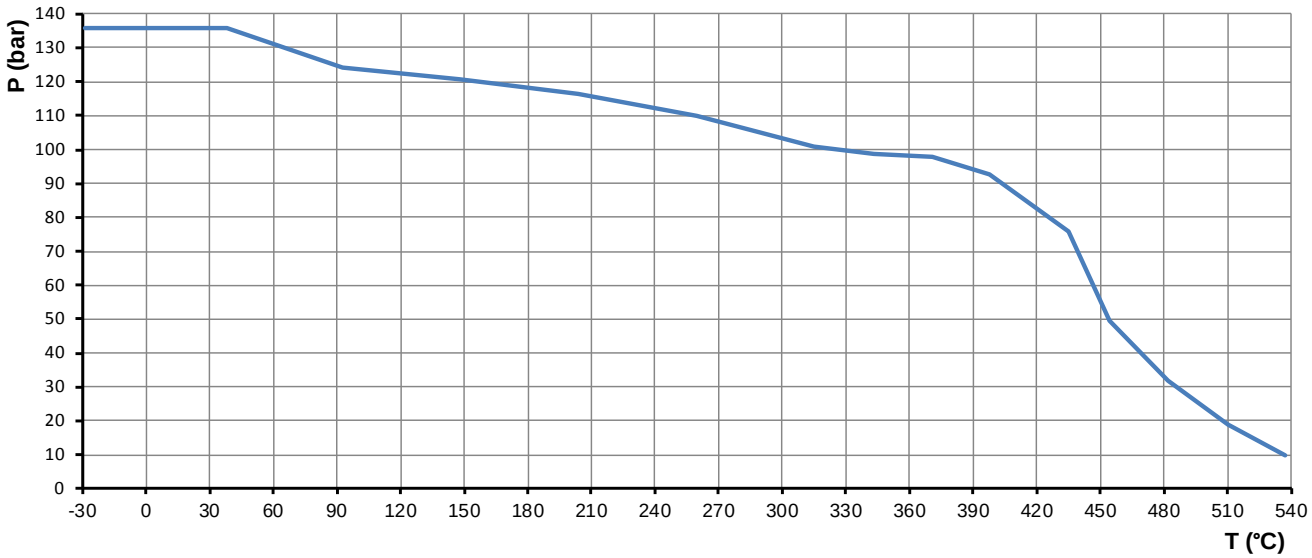
| N° | Description | Materials | |
|---|---|---|---|
| | | BFE-S21A5 | BFE-S21A8 |
| 1 | Handwheel nut | ASTM A307 GR.A BZP | |
| 2 | Handwheel | ASTM A 105 | |
| 3 | Yoke sleeve | AISI 416 | |
| 4 | Name plate | Aluminium | |
| 5 | Gland nuts | ASTM A194 2HM | |
| 6 | Gland flange | ASTM A105 | |
| 7 | Packing gland | UNS S31603 | |
| 8 | Bonnet | ASTM A105N | |
| 9 | Gland studs | ASTM A193 B7M | |
| 10 | Head screw | ASTM A193 B7M | |
| 11 | Packing | Grafoil 3G/SP | |
| 12 | Stem | ASTM A479 410 | |
| 13 | Gasket | F316L + graphite, spiral wound | |
| 14 | Wedge | A182 F6A/ST.6 | ASTM A182 F6A NACE |
| 15 | Seat ring | A479 410/ST.6 | |
| 16 | Body | ASTM A105N | |

## DIMENSIONS: (mm)

| Ø | A | B | C | D | E | F | G | Kg |
|---|---|---|---|---|---|---|---|---|
| 1/2” | 80 | 152 | 88 | 21,7 | 12,7 | 9,6 | 32 | 1,9 |
| 3/4” | 90 | 158 | 88 | 21,7 | 14,3 | 14 | 38 | 2,3 |
| 1” | 110 | 196 | 97 | 33,6 | 15,8 | 18 | 48 | 3,6 |
| 11/2” | 127 | 255 | 138 | 48,6 | 19 | 30 | 64 | 7,3 |
| 2” | 134 | 270 | 138 | 61,1 | 22,2 | 36,6 | 78 | 7,5 |

Subject to changes

## PT DIAGRAM:




## KV VALUES: (m³/h)

| Ø | Kv |
|---|---|
| 1/2” | 4,8 |
| 3/4” | 9,5 |
| 1” | 22,1 |
| 11/2” | 66,6 |
| 2” | 83,9 |

Subject to changes