

Quality

- ISO 9001 Certified Company
- Company and Product Certified and Qualified CRCC Petrobras

Main Features

- Operation: On/off or control
- Construction: MSS-SP 135 and FKB Standards
- Type: Wafer and LUG
- Size: 2" (50mm) to 24" (600mm)
- Flow: Bidirectional
- 100% Tightness
- High performance with full and coated passage

General Application

- Paper, Pulp, Sanitation, Chemical, Petrochemical, Sugar, Alcohol, Slurry, etc.
- Liquids in general, mass, paste and similar

Maximum pressure (Temperature between 0°C to 30°C)

| DN | Pol. | 2" | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
|----|----------|------|------|------|------|------|------|------|------|------|------|------|------|
| | mm | 50 | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| | CWP(bar) | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 | 20,6 |

Maximum Temperature

| EPDM (°C) | VITON (°C) | PTFE (°C) | METAL |
|-----------|------------|-----------|------------------|
| -10 a 110 | -30 a 200 | -20 a 180 | Alta Temperatura |

Internal Testing and Inspection

Hydrostatic: ISO 5208 / EN 12266 / MSS SP 151

Performance: 1 (one) Complete Cycle (Open and Close)

Painting: NBR 14847

Visual: NBR 15185

Fixation: NBR 7675 / EN 1092 / ANSI B16.5 / ANSI B16.47

Dimensional: Approved Drawing / EN 558 / MSS SP81 / MSS SP135

Flange / Connection

- ANSI B16.5 - 300lbs
- DIN PN25 / PN 40 / PN 50
- Others on request

Types of Drives

- Steering wheel manual
- Gear Reducer
- Pneumatic Actuator
- Hydraulic Actuator
- Electric Actuator

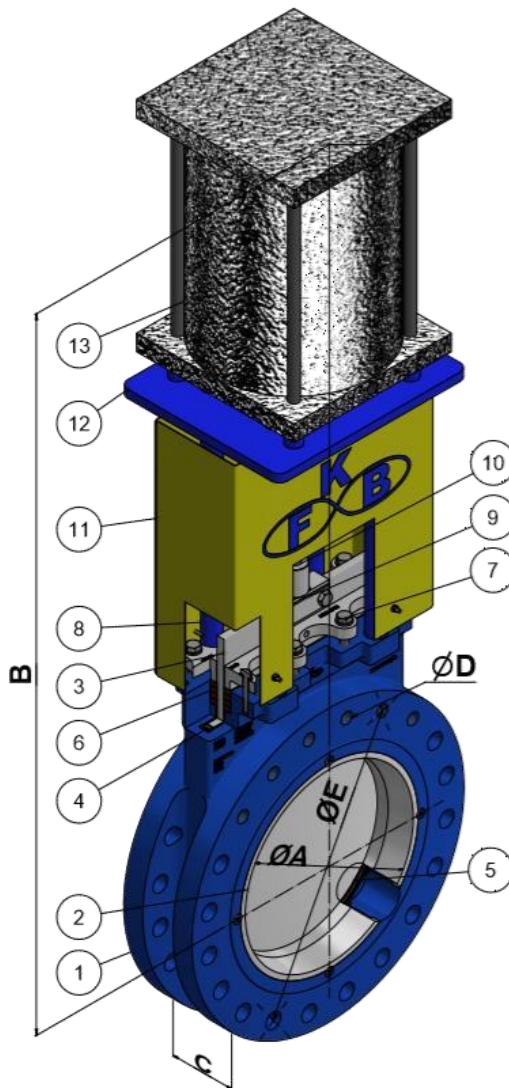
Optional Accessories

- Solenoid valve
- End of Course Key
- Lubrifil kit
- Others

Material Table

| Pos. | Description | Material |
|------|--------------------------|--|
| 1 | Body | ASTM A216 WCB / ASTM A351 CF8 / ASTM A351 CF8M |
| 2 | Coating Ring | AISI 304 / AISI 316 |
| 3 | Knife/ Gate | AISI 304 / AISI 316 |
| 4 | Perimetral Sealing | EPDM / Viton (*) |
| 5 | Facial Sealing | EPDM / Viton / PTFE or Metal |
| 6 | Superior Sealing | Synthetic Fiber with PTFE |
| 7 | Packing Preme Screws | Carbon Steel or Stainless Steel |
| 8 | Yoke | SAE 1020 |
| 9 | Fork / Stem Nut | Inox / Brass |
| 10 | Stem | AISI 410 |
| 11 | External Stem Protection | Carbon Steel Sheet |
| 12 | Support | ASTM A36 |
| 13 | Drive | Manual or Automatic |

(*) other options on request



Dimensions Table

| | | | | DIN PN 25 | | ANSI B16.5 300 lbs | |
|------|-----|-------|-------|-----------|-----|--------------------|----------|
| | A | B (*) | C | ØD | ØE | ØD | ØE |
| Pol. | mm | mm | mm | Nº - M-1 | mm | Nº - M-1 | Pol. |
| 2" | 50 | 612 | 69,8 | 04 - M16 | 125 | 08 - 5/8" UNC | 5" |
| 3" | 80 | 730 | 101,6 | 08 - M16 | 160 | 08 - 3/4" UNC | 6. 3/8" |
| 4" | 100 | 812 | 104,6 | 08 - M20 | 190 | 08 - 3/4" UNC | 7. 7/8" |
| 6" | 150 | 950 | 104,6 | 08 - M24 | 250 | 12 - 3/4" UNC | 10. 5/8" |
| 8" | 200 | 1.095 | 117,6 | 12 - M24 | 310 | 12 - 7/8" UNC | 13" |
| 10" | 250 | 1.180 | 136,6 | 12 - M27 | 370 | 16 - 1" UNC | 15. 1/4" |
| 12" | 300 | 1.230 | 143,0 | 16 - M27 | 430 | 16 - 1. 1/2" UNC | 17. 3/4" |
| 14" | 350 | 1.280 | 158,8 | 16 - M30 | 490 | 20 - 1. 1/2" UNC | 20. 1/4" |
| 16" | 400 | 1.360 | 168,4 | 16 - M33 | 550 | 20 - 1. 1/4" UNC | 22. 1/2" |
| 18" | 450 | 1.450 | 177,8 | 20 - M33 | 600 | 24 - 1. 1/4" UNC | 24. 3/4" |
| 20" | 500 | 1.540 | 189,0 | 20 - M33 | 660 | 24 - 1. 1/4" UNC | 27" |
| 24" | 600 | 1.630 | 215,9 | 20 - M36 | 770 | 24 - 1. 5/8" UNC | 32" |

Notes:

1. (*) Measure "B" under consultation for other types of drives;
2. Measures subject to change without notice.