

KNIFE GATE VALVE WITH LEVER

VG 4400-02



APPLICATION

General use : Pulp production, water, water treatment, waste water, chemical industry (powdery or crystallizing products), wine-producing, pulverized products (cement work, pneumatic transport, stocking).

GENERAL CHARACTERISTICS

Function ON/OFF or regulation.
 Wafer threaded mounting ISO PN10.
 Unidirectional tightness, direction indication thanks to the arrow on the body.
 Small retention zone: the gate is guided in the body and has little clearance.
 Gland assembly: packing and O-ring (same material as seat joint) to assure the elasticity and decrease the operating force.
 Small head loss.
 Possibility to regulate thick fluids the adaptation of a diaphragm ring .

CONSTRUCTION

| | | | | |
|-------------|-------------|--------------------|------------------------------|--|
| 13 | 1 | Locked screw | Coated steel | |
| 12 | 1 | O-ring | Nitril | |
| 11** | 1 | Support ring | Stainless steel 316 | DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 316 S16 |
| 10** | 1 | Gasket | Nitril | |
| 9 | 1 | Packing gland | Ductile iron | |
| 8 | 1 | Lever | Steel | |
| 7 | 1 | Guiding ring | Bronze | |
| 6 | 1 | Nut support | Zinc steel | |
| 5* | 2 | Support plate | Steel + epoxy | |
| 4 | 1 | Stem | Stainless steel 13%Cr | |
| 3 | 1 | Knife gate | X5CrNi 18-10 | DIN : X5CrNi 18-10 ASTM : AISI 304 BS : 304 S15 |
| 2 | 2 | Packing | PTFE | |
| 1 | 1 | Body | Ductile iron EN-GJS-500-7 | DIN: GGG 50 ASTM: A536 65-70-50-05 BS: 1563 EN-JS1050 |
| Pos. | Qty. | Description | Material | |

* Pre-shaped parts up to DN 300.
 ** Missing parts on metal-metal tightness.

DIMENSIONS

| DN | | A | B | C | D | H min | H max | I | J | K | L | ØK | n | ØM | Weight (kg) |
|-----|--------|----|-----|-----|-----|-------|-------|-----|-----|-----|-----|-----|----|-------|-------------|
| mm | inch | | | | | | | | | | | | | | |
| 50 | 2" | 40 | 240 | 124 | 83 | 93 | 329 | 140 | 330 | 119 | 140 | 125 | 4 | 4-M16 | 7,5 |
| 65 | 2 1/2" | 40 | 265 | 139 | 83 | 119 | 407 | 140 | 330 | 119 | 140 | 145 | 4 | 4-M16 | 7,8 |
| 80 | 3" | 50 | 290 | 154 | 83 | 226 | 563 | 140 | 330 | 119 | 140 | 160 | 8 | 4-M16 | 8,4 |
| 100 | 4" | 50 | 335 | 174 | 83 | 147 | 631 | 140 | 430 | 119 | 140 | 180 | 8 | 4-M16 | 11,5 |
| 125 | 5" | 50 | 373 | 189 | 93 | 187 | 767 | 140 | 430 | 119 | 140 | 210 | 8 | 4-M16 | 14,4 |
| 150 | 6" | 60 | 424 | 220 | 93 | 236 | 918 | 140 | 430 | 119 | 140 | 240 | 8 | 4-M20 | 18,5 |
| 200 | 8" | 60 | 533 | 275 | 108 | 183 | 1058 | 228 | 638 | 173 | 255 | 295 | 8 | 4-M20 | 28,8 |
| 250 | 10" | 70 | 625 | 326 | 108 | 321 | 1374 | 228 | 638 | 173 | 255 | 350 | 12 | 8-M20 | 41,0 |
| 300 | 12" | 70 | 732 | 380 | 108 | 449 | 1709 | 228 | 638 | 173 | 255 | 400 | 12 | 8-M20 | 58,0 |

WORKING CONDITIONS

Maximum working pressure : DN 50-250 : 10 bar
 DN 300 : 7 bar

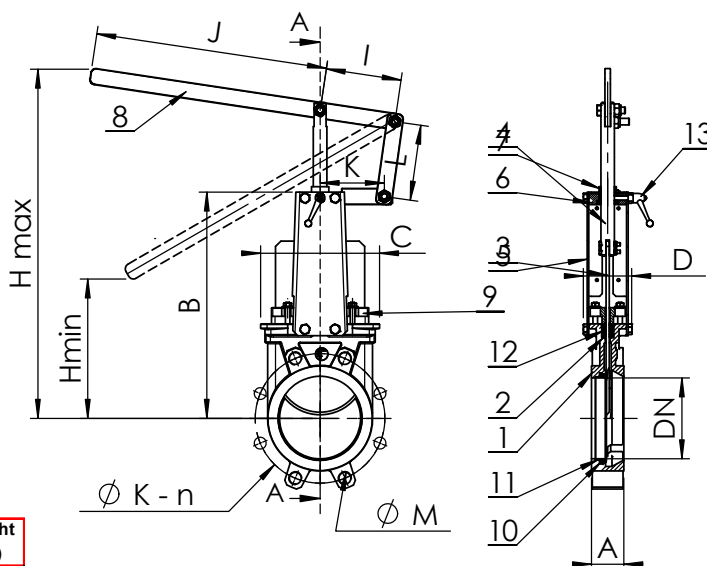
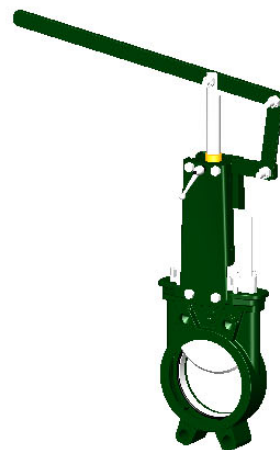
Maximum temperature : -10°C / +80°C

| Others materials on request (if marked) | Maximum temperature | |
|---|-------------------------|--------------------------|
| Metal / metal | T max : -10°C / +80°C. | <input type="checkbox"/> |
| White NBR | T max : -10°C / +80°C. | <input type="checkbox"/> |
| EPDM | T max : -10°C / +130°C. | <input type="checkbox"/> |
| Silicone | T max : -10°C / +170°C. | <input type="checkbox"/> |
| FPM (Type Viton®) | T max : -10°C / +170°C. | <input type="checkbox"/> |
| PTFE*** | T max : +4°C / +170°C. | <input type="checkbox"/> |
| CSM (Type Hypalon®) | T max : +4°C / +80°C. | <input type="checkbox"/> |

*** Minimum working pressure : 1 bar

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/UE «Equipments under pressure» : modulate H.
 On request : Product in accordance to european directive "Potentially explosive atmospheres" N° 94/9/EC : ATEX II 2 GD c and ATEX II 3 GD c.
 Test procedures are established according to standard EN 12266-1, DIN 3230, BS 5154 and ISO 5208.
 Connections according to standard EN 1092-2 and DIN 2501 : ISO PN10.



Standard tightness



Tightness metal/metal