

Ref. : VGB 4400-08

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KNIFE GATE VALVE WITH GEARBOX

VGB 4400-08



APPLICATION

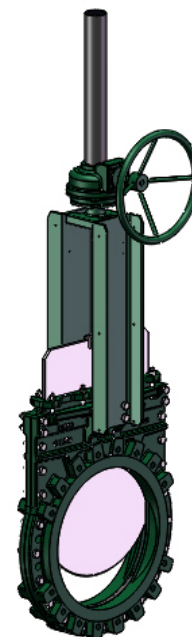
General use: pulp production, water, water treatment, waste water, wine-producing...

GENERAL CHARACTERISTICS

Bi-directional tight knife gate valve.
Function ON/OFF or regulation.
Between flanges connection according to ISO PN10.
Mounting only on horizontal pipeline.
Complete Sealed by nitrile elastomer seat
Operated by gear box

CONSTRUCTION

| | | | |
|-------------|-------------|--------------------|---------------------------|
| 11 | 1 | Protection tube | Steel |
| 10 | 1 | Handwheel | Cast iron |
| 9 | 1 | Gearbox | |
| 8 | 2 | Support plate | Epoxy coated steel |
| 7 | 1 | Stem | Stainless steel 410 |
| 6 | 1 | O ring | NBR |
| 5 | 2 | Packing | PTFE |
| 4 | 1 | Gland packing | Ductile iron EN-GJS-500-7 |
| 3 | 1 | Gate | Stainless steel 304 |
| 2 | 1 | Seat | NBR |
| 1 | 1 | Body | Ductile iron EN-GJS-500-7 |
| Pos. | Q-ty | Description | Material |



DIMENSIONS

| DN | | A | B | C | D | E | H | H1 | Ø V | Ø K | nxM | ⊕ | Weight (kg) |
|-----|------|-----|-----|-----|-----|-----|------|------|-----|-----|--------|---|-------------|
| mm | inch | | | | | | | | | | | | |
| 450 | 18" | 114 | 630 | 315 | 290 | 317 | 1699 | 1185 | 400 | 565 | 14-M24 | 6 | 243 |
| 500 | 20" | 127 | 700 | 350 | 290 | 317 | 1861 | 1297 | 400 | 620 | 16-M24 | 4 | 328 |
| 600 | 24" | 154 | 800 | 400 | 290 | 317 | 2169 | 1505 | 400 | 725 | 16-M27 | 4 | 444 |

⊕ - Through holes

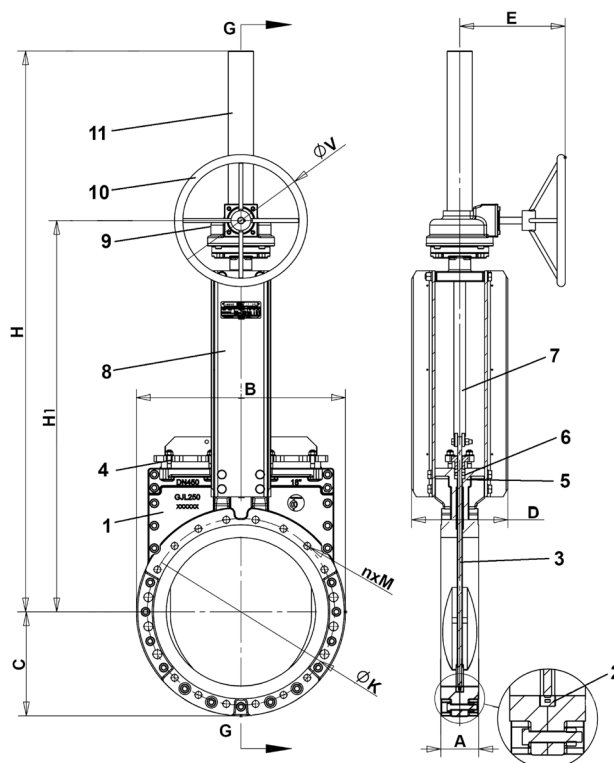
WORKING CONDITIONS

Maximum working pressure : DN450 : 7 bar
DN500-600 : 4 bar

Maximum working temperature : -10°C / +80°C

STANDARDS

Test procedures are established according to standards EN 12266-1, DIN 3230, BS 5154 and ISO 5208.
Connections between flanges according to standards EN 1092-2 and DIN 2501 : ISO PN10.



Bidirectional tightness

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