

### 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<br>ASTM : A 182 AISI 316<br>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<br>ASTM : AISI 304<br>BS : 304 S15        |
| 2    | 2    | Packing       | PTFE                  |                                                              |
| 1    | 1    | Body          | EN-GJL-250            | DIN : GG 25<br>ASTM : A48 class 40B<br>BS : 1452 Grade 250   |
| 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  | Ø M   | 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

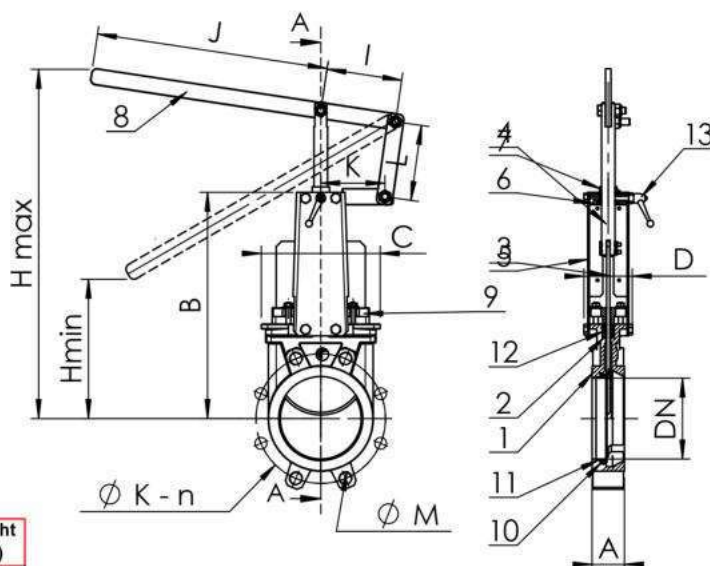
Maximum temperature : -10°C / +80°C

| 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