

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, valve with rising stem.  
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 materials as seat joint) to assure the elasticity and decrease the operating torque. Small head loss. Possibility to regulate thick fluids with the adaptation of a diaphragm ring.  
Gear box with ISO mounting plate.

### CONSTRUCTION

|      |      |                         |                            |
|------|------|-------------------------|----------------------------|
| 11   | 1    | Protection tube         |                            |
| 10   | 1    | Gear box with ISO plate |                            |
| 9    | 2    | Support plate           | Steel                      |
| 8    | 1    | Stem                    | Stainless steel 410        |
| 7    | 1    | O ring                  | NBR                        |
| 6    | 1    | Support ring            | Stainless steel 316        |
| 5    | 1    | Gate                    | Stainless steel 304        |
| 4    | 1    | Packing gland           | Ductile iron EN-GJS-400-15 |
| 3    | 1    | Packing                 | PTFE                       |
| 2    | 1    | Gasket                  | NBR                        |
| 1    | 1    | Body                    | Cast iron EN-GJL-250       |
| Pos. | Q-ty | Description             | Material                   |

### DIMENSIONS

| DN   |      | A   | B    | C   | D   | E   | G    | H    | ØK   | n-M    | Weight (kg) |
|------|------|-----|------|-----|-----|-----|------|------|------|--------|-------------|
| mm   | inch |     |      |     |     |     |      |      |      |        |             |
| 700  | 28"  | 110 | 892  | 462 | 300 | 200 | 780  | 1742 | 840  | 32-M27 | 410         |
| 800  | 32"  | 110 | 1013 | 530 | 300 | 200 | 880  | 1958 | 950  | 32-M30 | 560         |
| 900  | 36"  | 110 | 1127 | 583 | 355 | 200 | 1025 | 2210 | 1050 | 40-M30 | 780         |
| 1000 | 40"  | 110 | 1252 | 645 | 355 | 200 | 1115 | 2402 | 1160 | 40-M33 | 985         |
| 1200 | 48"  | 130 | 1485 | 755 | 396 | 200 | 1335 | 2819 | 1380 | 48-M36 | 1635        |

### WORKING CONDITIONS

Maximum working pressure : 2 bar.

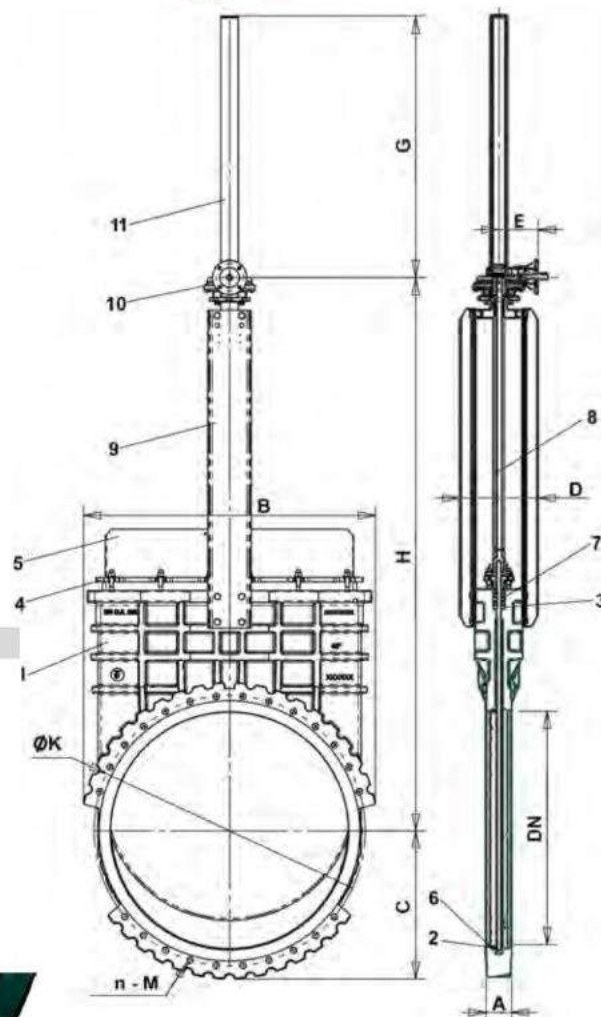
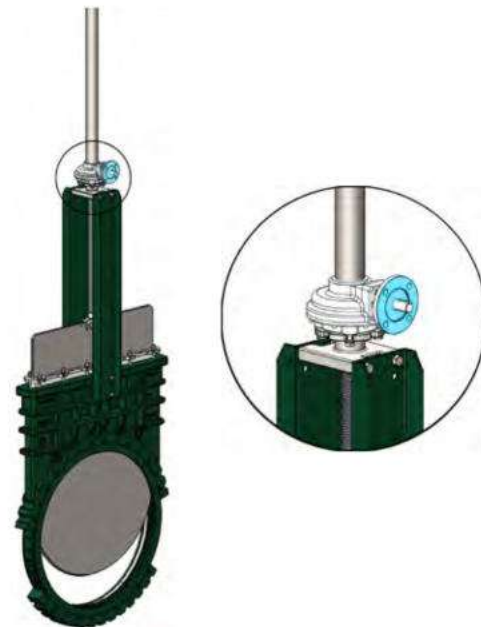
Maximum working temperature : -10°C / + 80°C.

### STANDARDS

| Connection     | Testing standards | PED/ATEX                                                                             |
|----------------|-------------------|--------------------------------------------------------------------------------------|
| EN 1092-2 PN10 | EN 12266-1        | Complies with European directive                                                     |
| DIN 2501 PN10  | DIN 3230          | 2014/68/EU "equipment under pressure"                                                |
|                | BS5154            | modulate H.                                                                          |
|                | ISO 5208          |                                                                                      |
|                |                   | In option: product complies with the European directive ATEX "Explosive atmospheres" |
|                |                   | N° 94/9/CE: ATEX II 2 GD c et ATEX II 3 GD c.                                        |

| Others material 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

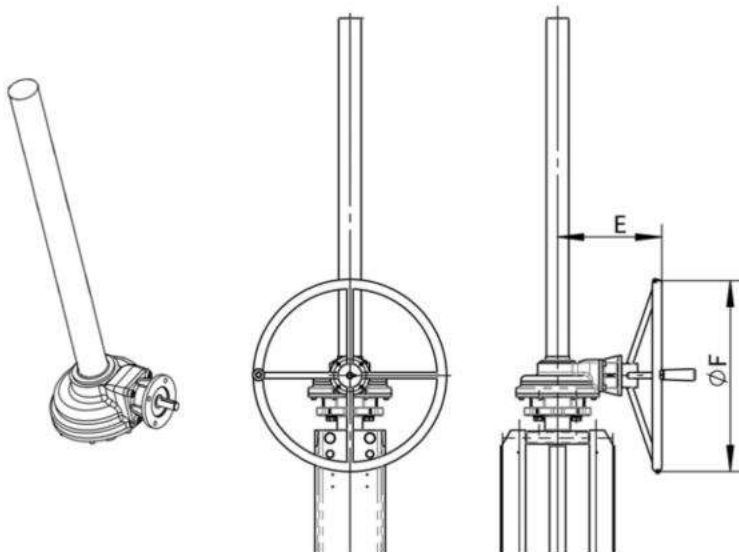
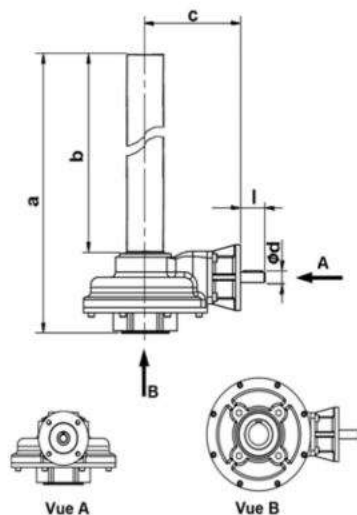


Standard tightness



Tightness metal/metal

## GEAR BOX DIMENSIONS

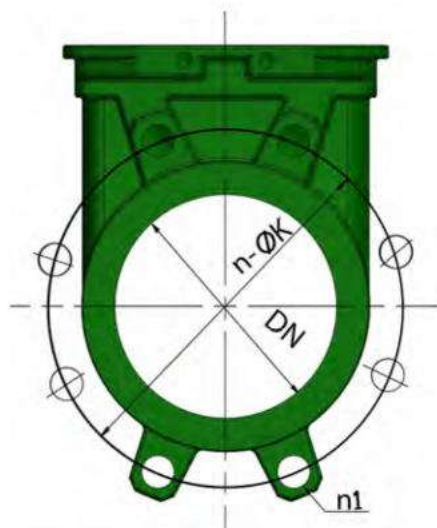


**Gearbox with handwheel**

| DN   |      | a    | b    | c   | d  | l  | Valve input   |                   |          | Gearbox input |                   |          | Gearbox with handwheel |     |
|------|------|------|------|-----|----|----|---------------|-------------------|----------|---------------|-------------------|----------|------------------------|-----|
| mm   | inch |      |      |     |    |    | Torque*<br>Nm | Number of<br>turn | ISO 5210 | Torque*<br>Nm | Number of<br>turn | ISO 5210 | E                      | ØF  |
| 700  | 28"  | 991  | 736  | 177 | 20 | 51 | 220           | 102               | F14      | 68            | 612               | F10      | 200                    | 500 |
| 800  | 32"  | 999  | 844  | 177 | 20 | 51 | 250           | 117               | F14      | 76            | 702               | F10      | 200                    | 500 |
| 900  | 36"  | 1128 | 961  | 200 | 20 | 51 | 300           | 115               | F16      | 65            | 690               | F10      | 200                    | 600 |
| 1000 | 40"  | 1222 | 1055 | 200 | 20 | 51 | 380           | 128               | F16      | 80            | 768               | F10      | 325                    | 600 |
| 1200 | 48"  | 1451 | 1284 | 200 | 30 | 51 | 480           | 153               | F16      | 102           | 918               | F14      | 325                    | 700 |

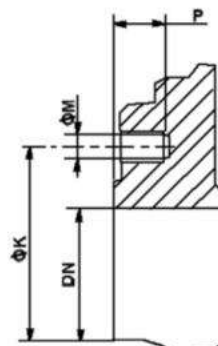
\* Torque values doesn't include safety factor

## CONNECTION



Connection between flanges EN 1092-1 : ISO PN10

| DN   | n  | n1 | ØK   | ØM  | P  |
|------|----|----|------|-----|----|
| 700  | 24 | 16 | 840  | M27 | 22 |
| 800  | 24 | 16 | 950  | M30 | 22 |
| 900  | 28 | 20 | 1050 | M30 | 22 |
| 1000 | 28 | 20 | 1160 | M33 | 22 |
| 1200 | 32 | 22 | 1380 | M36 | 22 |



**Body details**