



Knife gate valve, PN 10



Art. 1903

Drilling: EN 1092-1 PN 10

Design: EN 1171 Face to face length: EN 558-1, serie 20

Installation: horizontal/ vertical

APPLICATIONS • Water supply • Wastewater treatment plants • Sewerage • Industry • Paper industry • Thick fluids

- Fig. 1906 with pneumatic operator

- Fig. 1908 with electric actuator

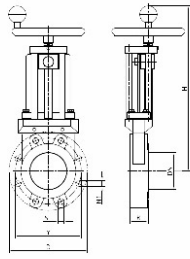
Epoxy painting suitable for drinking water applications.

The knife gate valves are manufactured with body in cast iron and knife in stainless steel AISI 304. Designed as wafer concentric type, these knife gate valves can be installed in any position, but follow the flow direction in one way only. The knife gate valves grant full passage of the fluid, no pressure drops and are suitable for thick fluids. Standard execution by handwheel, pneumatic operator or electric actuator on demand.

Materials

| | |
|-----------------|----------------------------|
| body | cast iron GG25, EN-GJL-250 |
| knife | stainless steel AISI 304 |
| handwheel | cast iron GG25, EN-GJL-250 |
| stem | stainless steel AISI 304 |
| protection tube | steel |
| painting | epoxy |

Dimensions



| DN | K mm. | Y mm. | H mm. | D mm. | Weight kg. |
|------|-------|-------|-------|-------|------------|
| 50 | 45 | 125 | 370 | 165 | 8 |
| 65 | 45 | 145 | 405 | 185 | 10 |
| 80 | 45 | 160 | 435 | 200 | 11 |
| 100 | 50 | 180 | 445 | 220 | 12 |
| 125 | 50 | 210 | 480 | 250 | 17 |
| 150 | 55 | 240 | 535 | 285 | 21 |
| 200 | 60 | 295 | 660 | 340 | 38 |
| 250 | 60 | 350 | 765 | 395 | 52 |
| 300 | 60 | 400 | 880 | 445 | 63 |
| 350 | 70 | 460 | 970 | 505 | 115 |
| 400 | 90 | 515 | 1085 | 565 | 145 |
| 450 | 110 | 565 | 1180 | 615 | 186 |
| 500 | 110 | 620 | 1300 | 670 | 221 |
| 600 | 110 | 725 | 1500 | 780 | 300 |
| 700 | 110 | 840 | 1700 | 895 | 400 |
| 800 | 115 | 950 | 1900 | 1015 | 600 |
| 900 | 130 | 1050 | 2500 | 1115 | 650 |
| 1000 | 130 | 1160 | 2700 | 1230 | 820 |

Pressure

| DN | Max working pressure | Temperature |
|----------|----------------------|-------------|
| 50-150 | < 10 Bar | < 100°C |
| 200 | < 8 Bar | < 100°C |
| 250 | < 6 Bar | < 100°C |
| 300 | < 5 Bar | < 100°C |
| 350 | < 4 Bar | < 100°C |
| 400 | < 3 Bar | < 100°C |
| 450 | < 2,5 Bar | < 100°C |
| 500 | < 2 Bar | < 100°C |
| 600 | < 1,5 Bar | < 100°C |
| 700-1000 | < 1 Bar | < 100°C |

