

## KSB Bidirectional Knife Gate Valve

### Product description

- The KSB knife gate valve is bidirectional and features one-piece cast iron body with a wafer design for installation between flanges.
- The seat is inserted into the body creating a completely flat sealing surface with no internal cavities and preventing solids from accumulating in the sealing area.
- The AISI 304L or AISI 316L stainless steel knife gate is guided, polished on both sides and has rounded edges to reduce wear on the seal and packing during operation.
- The design provides high flow rates with low pressure loss.
- Various body, seal and packing materials are available.
- The face-to-face dimension follows the VAYCOM standard.

### General applications

Valve suitable for applications containing up to 5% suspended solids.

Paper Industry

Mining

Chemical Plants

Pumping

Food Industry

Water treatment

### Standard design

EN1092 PN10 / DIN PN10  
ASME B16.5 (class 150) / ANSI150  
(Others available).

### Materials

Body: GJL250 / CF8M (other like DUPLEX or SUPERDUPLEX on request).

Gate: AISI304L / AISI316L (other like DUPLEX 2205 or SUPERDUPLEX 2507 on request).

Gasket: SYNT+PTFE, Graphite, O-ring

### Sizes

DN50/2" to DN600/24"  
(larger sizes available on request).

### Pressure

DN50 to DN250: 10bar  
DN300 - DN400: 6 bar  
DN450: 5 bar  
DN500 - DN600: 4 bar

### Actuators

Handwheel, lever, gear box, chain handwheel, pneumatic, hydraulic and electric actuators.

### Seat

Metal/Metal, EPDM, NBR, Viton, PTFE, Silicone.

### Accessories and options

Deflector cone, reinforced socket, scraper, V-shaped or 5-sided passage, flushing holes, emergency handwheel, limit switches, proximity switches, solenoid valves, filters, emergency systems, junction boxes, extensions stems, etc.



fig. 1