

High Performance Heavy Duty Water Knife Gate Valves incorporating Field Replaceable Seats

- High Quality at highly competitive prices.
- Field replaceable seats extends in-line service and lowers maintenance costs.
- Dual Seats for full bore flow and positive Bi-Directional shut off.
- 'V' Port Seats available for metering service.
- Line pressure assists positive shut off.
- Specially profiled knife gate assures non-clogging shut off on suspended solids and prevents blade deflection.
- Solid one piece cast body for robustness and long service life.
- Sizes 50mm through 600mm.
- Working pressure 1000kPa through out the size range.
- Only the best non-corrosive materials are used in the operating mechanism for reliable hand wheel operation.

Body

- Ductile Iron
- Lined (Specify)

Gate

- 304 Stainless Steel
- 316 Stainless Steel

Seat

- Polyurethane

Superstructure

- Mild Steel

For other materials and sizes please consult our factory.



These valves are designed to handle most process conditions in the Pulp and Paper Industries, Chemical Plants, Waste Water Treatment Plants, Sewerage Works, Mineral Processing, Mining and Food Processing Industries.

Critical Dimensions and Weights:

| Valves Size | 50 | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|--------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| Face to Face | 40 | 50 | 50 | 60 | 60 | 70 | 70 | 80 | 90 | 100 | 110 | 130 |
| Centre to Top Open | 345 | 450 | 510 | 690 | 890 | 1050 | 1180 | 1340 | 1540 | 1720 | 1860 | 2200 |
| Hand wheel | 150 | 200 | 200 | 300 | 300 | 400 | 400 | 500 | 500 | 500 | 500 | 500 |
| Weights (kg) | 10 | 12 | 14 | 26 | 40 | 63 | 85 | 130 | 180 | 250 | 300 | 340 |

Specifications subject to change without notice.



BI-DIRECTIONAL KNIFE GATE VALVES WITH REPLACEABLE SEATS

Larger Ductile Iron hand wheels reduce rim pull

Grease fitting for stem nut assembly (not shown)

Stainless steel thrust washer prevents seizure of steel hub and bronze stem nut

Stainless steel spindle for wear and corrosion resistance. Single lead thread for easier hand wheel operation reduces rim pull

One piece fabricated yoke accepts even the heaviest actuator

Multiple rows of packing eliminates leakage around gate

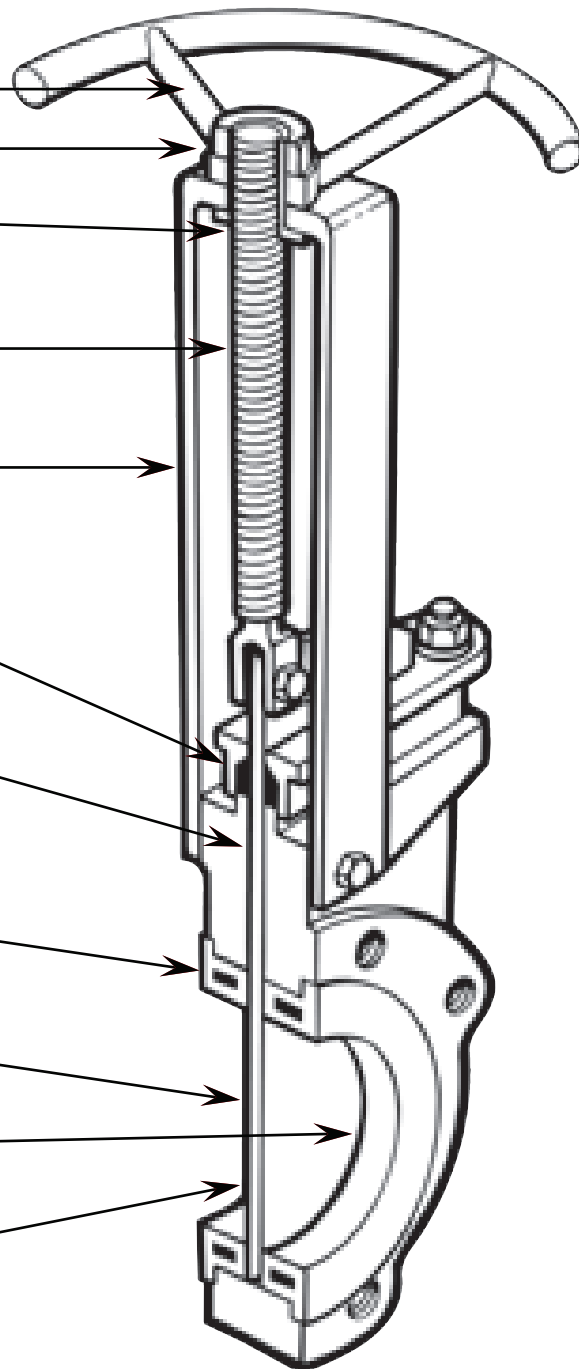
Minimum clearance between gate and chest prevents clogging

Field replaceable seats

Precision polished knife gate

Notched gate eliminates building up of material in chest area

Bevelled gate with knife sharp edge for shearing action



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