

# KNIFE GATE VALVES



## FEATURES

- Cost saving - low maintenance
- Top works protected for robust applications
- Double flanged
- Supporting seal fitted to gland seal for longer life on gland seal
- Valves do not need to be removed from the line as the gland seal allows for adjustment and replacement while in the line.
- All resilient seal linings offer 'no' leakage on gas, powders and liquids
- Our design offers positive seating at all times preventing 'cavity' on the bottom where solids accumulate
- The self cleaning section prevents slurry or solid build up that allows free movement of the blade at all times

*Mine track & tools' valves have been designed for higher pressures*

## REPLACEMENT OF GLAND PACKING

- Depressurise the circuit and place the valve in closed position
- Rising stem valves. Release the spindle or stem from the gate
- Loosen the screws of the yoke and remove it
- Loosen the nuts of the gland follower and remove it
- Remove the old packing rings and clean the stuffing box
- Insert the new packing rings making sure that the ring joints alternate
- Once the necessary packing rings have been inserted, proceed with a steady initial tightening of the gland follower
- Fix the stem to the gate
- Remount the gate guards
- Carry out some operations with a loaded circuit and then retighten the gland follower to prevent leakage



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## DIMENSIONS

SIZE	UNLINED STD FACE	LINED STD FACE	LENGTH (mm)	PRESSURE RATING (bar)	MASS (kg)
50	40	46	430	12	10
80	44	50	430	12	10
100	59	62	460	12	12
150	70	78	560	12	25
200	72	80	740	12	32
250	76	84	900	10	48
300	80	88	1050	10	78
350	96	104	1170	8	89
400	100	108	1320	8	120
450	100	112	1460	7	225
500	110	122	1630	7	260
600	110	122	1850	7	320
700	110	122	2050	7	410
750	120	132	2160	7	455
800	120	132	2270	7	510
1000	130	142	2750	7	720

## SPECIFICATIONS

**Body:** Cast Iron, Carbon Steel, Stainless Steel

**Blade:** Stainless Steel 304/314, Rocklast Hardened Material

**Hand Wheel:** Cast Iron

**Lining:** Natural Rubber, EP DM, Polyurethane

**Gland:** Cast Steel

**Pillar:** Cast Steel

**Spindle:** 304 Stainless Steel

**Rev Nut:** Bronze Lg2

### Lubrication:

Recommendation - twice yearly. Remove protection cap, fill stem protector cap half way with calcium based grease.

### Grease Characteristics:

High water resistant, low ash content and excellent adherence.

### Storage:

Store in well ventilated room. Valves should not be exposed to temperatures higher than 300 °C. If stored outside, cover valve and protect from heat and direct sunlight.

### Information Required to Quote:

- Size of Bore
- Working Pressure
- Temperature
- Table Drilling
- Operation (Handwheel, Gearbox or Actuator) Media (Chemical, slurry etc.)