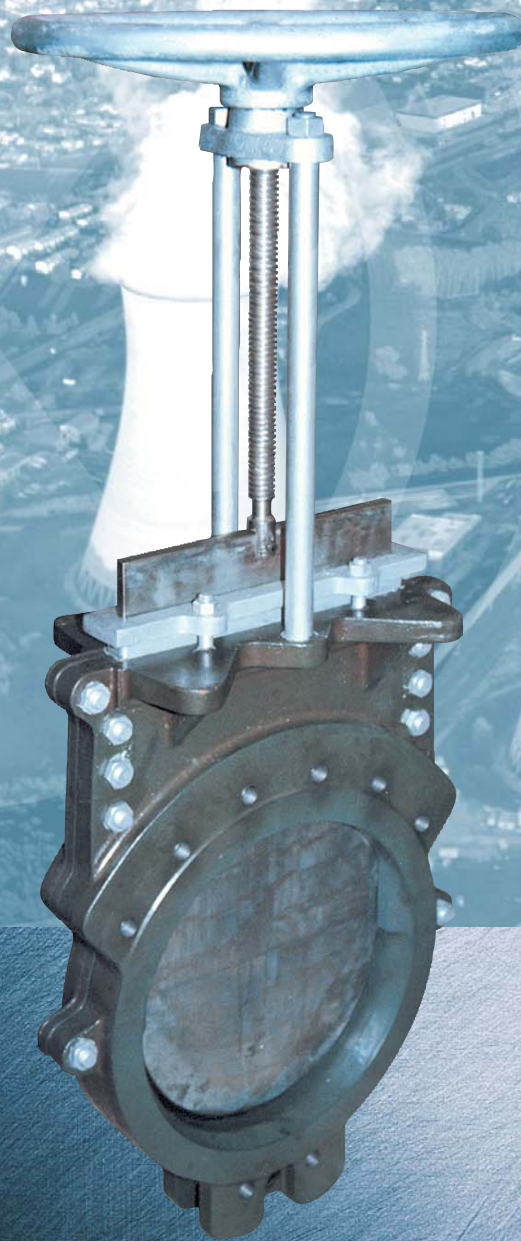


**KEMPSTER
ENGINEERING**
KNIFE GATE VALVES

TYPE KV2



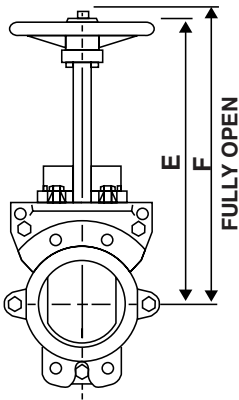
**Self Sealing
Heavy Slurries
Powders & Granules
Metal Seated**



2002/262

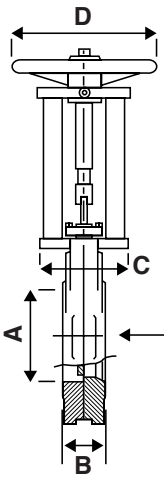


TYPE KV2



Metal seated Knife Gate Valve for use with self-sealing slurries, powders and granular materials. Round bottom blade has self cleaning contour to resist product medium blocking valve within the throat area of the body. Pocketless ports prevent build-up of product and ensure full closure of blade.

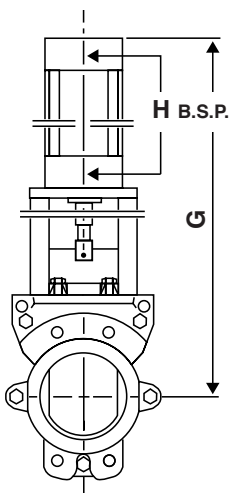
- VALVE BODY: Manufactured from cast iron, bronze, aluminium, carbon and stainless steel, duplex and Hastelloy
- BLADE: Manufactured from stainless steel or Hardox steel (anti-abrasion)
- SPINDLE: 'Rising spindle' design manufactured from stainless steel
- GLAND PACKING: Mica-lube cotton, alternatively PTFE or other grade to suit application
- FACINGS: To suit flanges BS EN1092 NP10, NP16, ANSI 150, DIN ND10, BST 'D' or 'E' & others
- PNEUMATIC CYLINDERS: 'ISO' type with stainless steel piston rods, sized to suit 5 bar operating air pressure



Optional extras include extension spindles, alternative actuators, locking facilities, ni-hard port inserts, abrasive resistant body encapsulation (Halar). Also spring-loaded scraper blades to clear product adhering to face of blade.

Standard Range

Valve Nominal Bore* (mm)	Max Working Pressure (bar)	Max Differential Pressure (bar)		
50-150	16	16		
200 250	10	10	10	
300 350 400	10	6.5	8.5	6.5
450 500 600	10	5	6	4

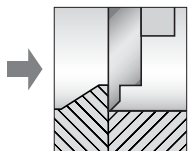


Standard Range

Bore* A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	G (mm)	BSP H (inch)	ISO Cyl Bore (mm)
50	62	127	180	328	337	11	545	1/2	80
65	62	127	180	338	353	11	565	1/2	80
80	62	127	180	388	426	16	620	1/2	100
100	64	127	180	416	489	19	730	1/2	100
125	66	133	180	460	560	22	775	1/2	100
150	68	159	255	540	651	31	895	3/4	125
200	70	159	255	645	803	44	1075	3/4	125
250	76	197	380	747	969	76	1265	3/4	160
300	80	197	380	855	1120	95	1365	3/4	160
350	96	220	380	1000	1353	128	1600	3/4	200
400	102	273	535	1115	1460	175	1750	3/4	200
450	105	273	535	1240	1630	200	1953	1	250
500	111	273	535	1340	1780	320	2110	1	320
600	114	273	535	1545	2085	430	2400	1	320

Cylinder operation safety guard fitted as required

Metal Seated Uni-directional Sealing



Tight shut off with self sealing heavy process or powders
Minimal leakage with clean process
Clear bore inlet, unrestricted flow

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