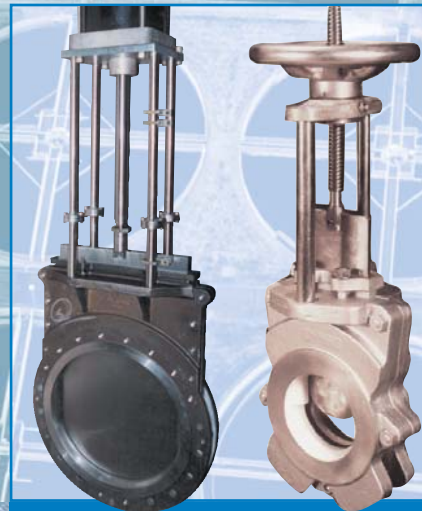
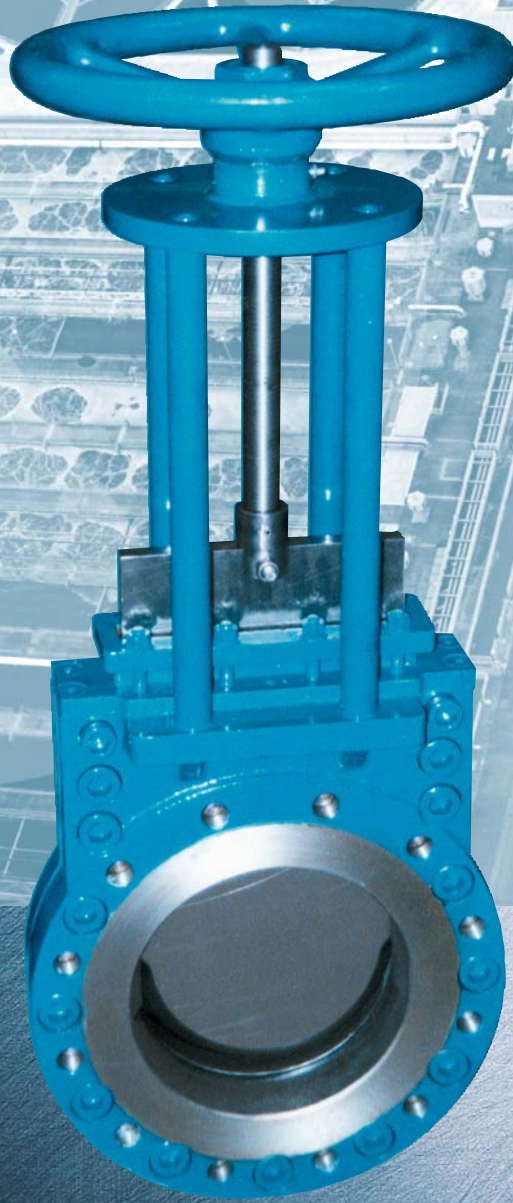


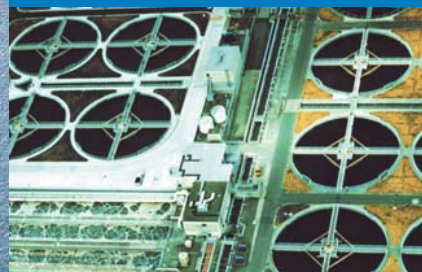
KEMPSTER ENGINEERING

KNIFE GATE VALVES

TYPE KV7

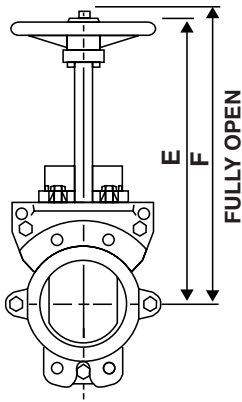


Slurries
Sludges
Suspended Solids
Clean Fluids
Resilient Seated



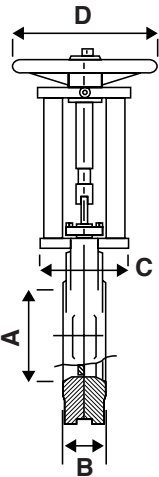


TYPE KV7



Resilient seated Knife Gate Valve providing tight shut-off on a broad range of slurries from heavy sludges to clean fluids. Round bottom chamfered blade and resilient seal to cope with demanding product media. Pocketless orifices ensure minimum pressure drop without clogging. Stuffing box repackable without removing valve from line.

- VALVE BODY:** Manufactured from cast iron, bronze, aluminium, carbon and stainless steel, duplex and Hastelloy
- BLADE:** Manufactured from stainless steel, duplex and Hastelloy
- SPINDLE:** 'Rising spindle' design manufactured from stainless steel
- GLAND PACKING:** Mica-lube cotton, alternatively PTFE or other grade to suit application
- SEAL:** Nitrile rubber, EPDM, Viton, solid PTFE and others
- 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, non-rising spindles, alternative actuators, locking facilities, ni-hard port inserts, abrasive resistant body encapsulation (Halar), electrical and mechanical position indication and solenoid valves. Designs for higher pressure & other special applications also available.

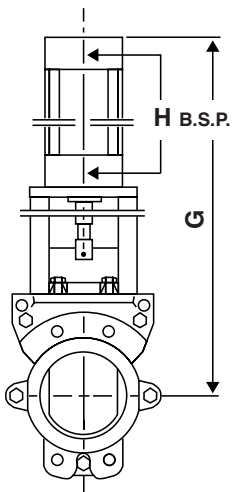
Standard Range

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	
450 500 600 700	10	5	6	4	4

High Pressure Valves
25 & 40 bar
Details on request

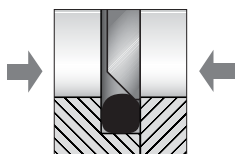
Standard Range

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
700	124	273	535	1750	2370	640	2700	1	320



Cylinder operation safety guard fitted as required

Resilient Bi-directional Sealing



Tight shut off
Clear bore, unrestricted flow
Seal mechanically retained

Kempster Engineering Ltd

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