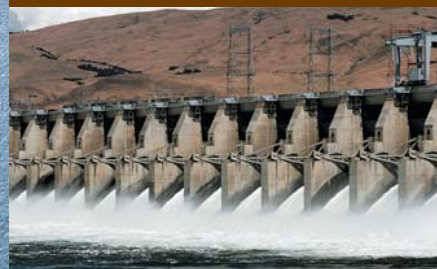


**KEMPSTER  
ENGINEERING**  
KNIFE GATE VALVES

## TYPE KV8



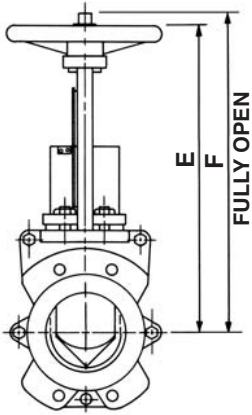
**Vee Port Regulation  
All Processes  
Resilient or Metal  
Seated**



2002/262



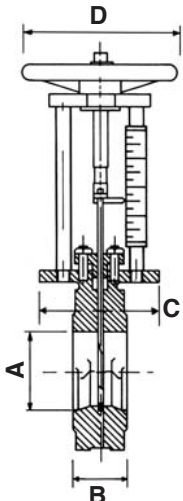
### TYPE KV8



Resilient and metal seated special purpose Knife Gate Valve with vee port body for regulation of liquids and slurries, especially when high turndown and close to seat throttling may be required. Body seal provides tight shut-off in the closed position.

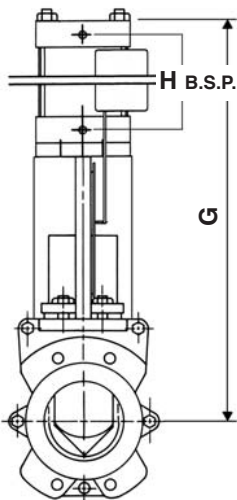
- VALVE BODY: Manufactured from cast iron, bronze, aluminium, carbon and stainless steel
- BLADE: Manufactured from stainless steel
- SPINDLE: 'Rising spindle' design manufactured from stainless steel
- GLAND PACKING: Mica-lube cotton, alternatively PTFE or other grade to suit application
- SEAL: Nitrile 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

Supplied with handwheel scale and pointer for repeatability. Optional extras include extension spindles, non-rising spindles, alternative actuators, locking facilities, abrasive resistant body encapsulation (Halar), electrical and mechanical position indication. Also available with low friction pneumatic cylinder and positioner for automatic operation.

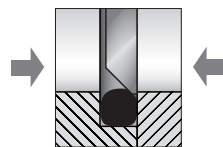


Valve Nominal Bore* (mm)	Max Working Pressure (bar)	Max Differential Pressure (bar)
50-250	10	10
300	10	6

Bore*	A	B	C	D	E	F	Weight	G	BSP H	ISO Cyl Bore
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)	(mm)	(inch)	(mm)
50	62	127	175	328	337	11	545	1/2	80	
65	62	127	175	338	353	11	565	1/2	80	
80	62	127	175	388	426	16	620	1/2	100	
100	64	127	175	416	489	19	730	1/2	100	
125	66	133	175	460	560	22	775	1/2	100	
150	68	159	254	540	651	31	895	3/4	125	
200	70	159	254	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	

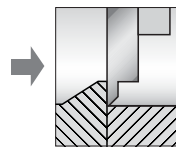


#### Resilient Bi-directional Sealing



Tight shut off  
Clear bore, unrestricted flow  
Seal mechanically retained

#### 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

Cylinder operation safety guard fitted as required

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