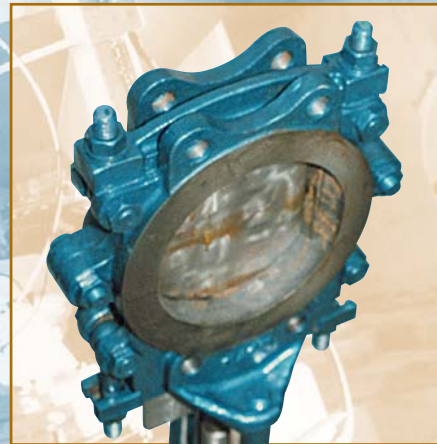
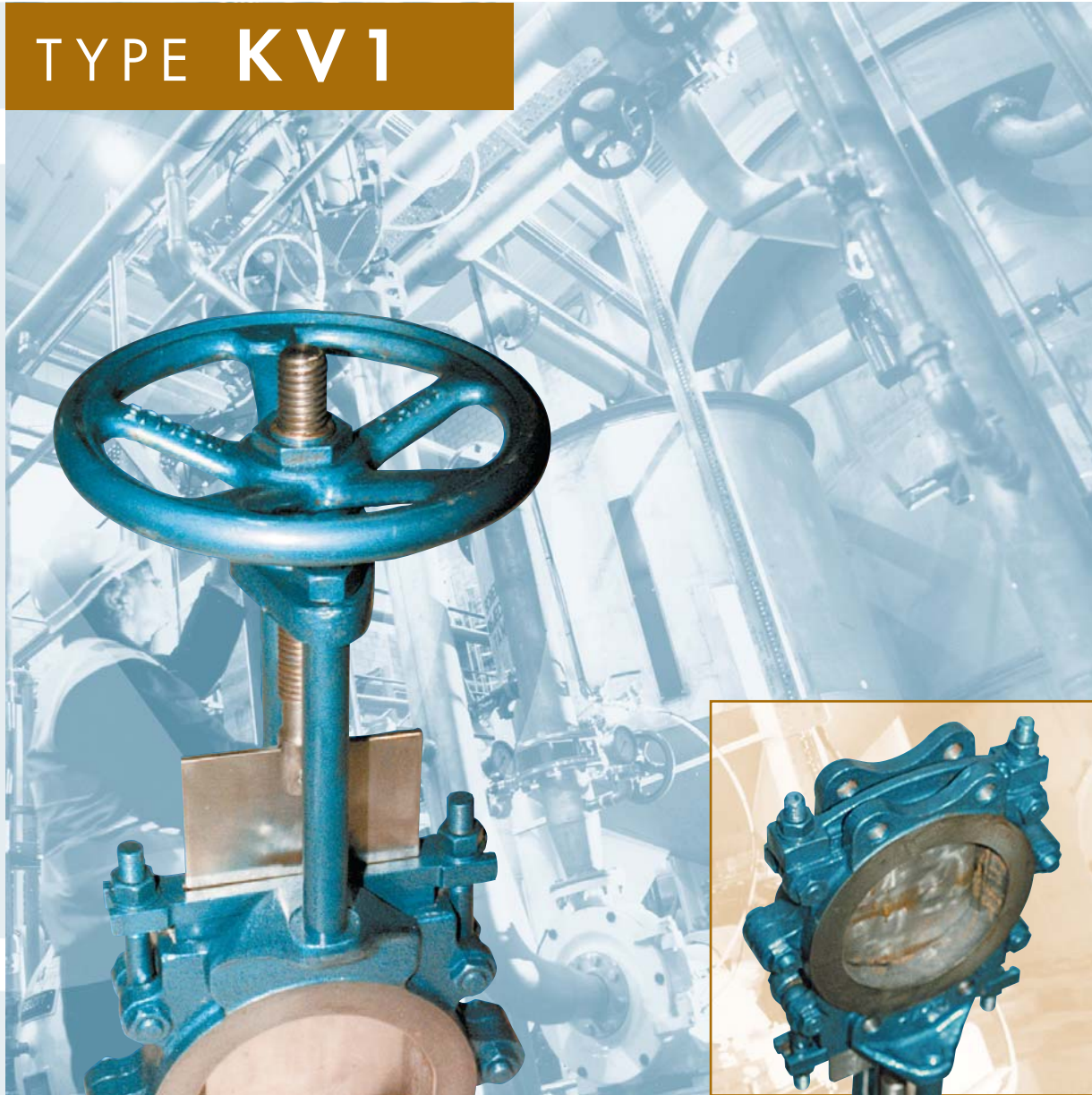


**KEMPSTER
ENGINEERING**
KNIFE GATE VALVES

TYPE KV1



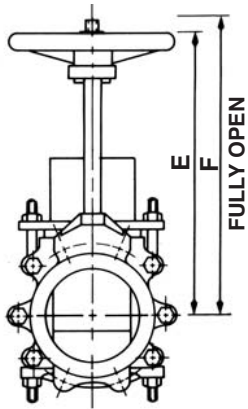
**Paper Stock
Bottom Cleaning Door
Metal Seated**



2002/262

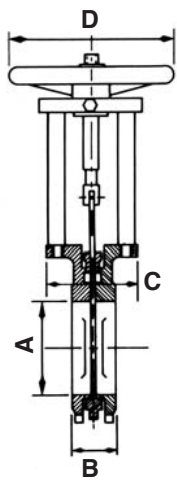


TYPE KV1



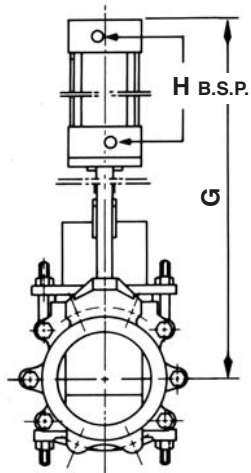
Metal seated general purpose Knife Gate Valve of rugged construction for use with slurries. Removable door for cleaning valve body 'in situ', particularly suitable where junk materials and debris are present.

- VALVE BODY: Manufactured from cast iron, bronze, aluminium, 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
 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 and locking facilities, solenoid valves, limit switches pillar mounted or alternatively cylinder mounted reed switches with magnetic piston.

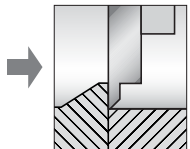
Valve Nominal Bore* (mm)	Max Working Pressure (bar)	Max Differential Pressure (bar)		
50-200	10	10		
250 300	7	7	7	
350 400	5	5	5	
450 500 600	3	3	3	3



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	133	175	330	405	11	530	1/2	65
65	62	133	175	337	410	11	537	1/2	65
80	62	133	175	360	432	16	562	1/2	80
100	64	133	175	388	505	19	700	1/2	80
125	66	133	175	410	528	22	720	1/2	80
150	68	152	254	467	605	31	820	1/2	100
200	70	165	254	547	731	44	973	1/2	100
250	76	197	305	660	883	76	1170	1/2	125
300	80	197	380	753	1020	95	1280	1/2	125
350	96	197	380	851	1213	128	1426	3/4	160
400	102	197	380	924	1337	140	1550	3/4	200
450	105	229	535	1029	1493	180	1750	3/4	200
500	111	210	535	1143	1658	200	1900	1	250
600	114	210	535	1283	1900	235	2150	1	250

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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