

Specification of Knife Gate Valve

1	Valve Type	:	Knife gate Valve, Double seated, bidirectional, Full rubber sleeve design valve
2	Valve Rating	:	10 Bar
3	End Connection	:	Flanged, MOC: Ductile Iron
4	Flange	:	As per ANSI 150
5	Flange Drilling	:	As per ANSI 16.5
6	Valve Size	:	100NB (4"), 80NB (3")
7	Process Fluid	:	Silicious Uranium Slurry
8	Process Flow	:	200 – 300 m ³ /hr
9	Fluid Temperature	:	40° C to 50° C
10	Line Pressure	:	3.5 to 4.0 Bar
11	Pulp density	:	1.3 to 1.4 kg/litre
12	MOC	:	
A	Valve Body	:	100 NB: CF8M 80NB: WCB
B	Valve gate & Gland	:	Hard chrome plated SS 316
C	Gland follower	:	SS 304
D	Valve Sleeve	:	Full nautral soft rubber sleeve with reinforcement
E	Secondary seal	:	EPDM
F	Fasteners	:	Stainless steel 304
G	'O' ring	:	EPDM
H	Piston rod	:	SS304
13	Actuator Type	:	Double Acting Pneumatic metallic Aluminum Barrel/ FRP Cylinder Actuated
14	Manual operation	:	Through Handwheel
15	Pneumatic port	:	½" BSP with 3/8" NPT Adaptor
16	Accessories	:	
A	Gate Guard	:	Metallic powder coated guard on both side of movement of gate
B	Cylinder piston cover	:	Leather bellows for protection of cylinder piston
17	Warranty	:	12 Months from date of Installation, OR 18 months from date of supply (which ever is earlier)
18	Make	:	Orbinox, Technigate, FlowRox, Tyco, RedValve

Important Note: Slurry should not come in contact with the valve body, it should be in contact with sleeve only