

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 ^o C to 50 ^o 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	: 1/2" 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

Handwritten signatures and dates:
 1/1/2018
 1/1/2018
 1/1/2018