

Specification of Single Acting Knife Gate Valve

1	Valve Type	Single piece body, Cast Monoblock, Knife gate valve double seated, bidirectional, full rubber sleeve design valve
2	Valve Rating	10 kg/sq. cm
3	End Connection	Wafer type, semi lugged design
5	Air Cylinder	Single acting reverse cylinder (Air to open)
6	Flush guard	to be provided
7	Drilling Standard	ANSI 16.5
8	Size	125 NB
Process Connection		
9	Fluid	Uranium ore slurry
10	Process flow	200 - 250 m ³ /hr
11	Fluid Temperature	40° - 60° Celsius
12	Line Pressure	5 kg/Cm ² (max)
13	Pulp Density	1.4 to 1.6
KGv material		
14	Valve body	CF8M Stainless Steel
15	Valve Gate	Fluorocarbon coated 316L stainless steel gate
16	Gland Follower	Stainless steel
17	Valve Sleeves	Soft natural rubber sleeves with re-enforcement
18	Gate Lining	Fully elastomer line (no metal part in contact with flowing fluid)
19	Packing	TIWA
20	Fastener	Stainless steel 304
21	O' ring	EPDM
22	Actuation	Single Acting pneumatic cylinder operated (with manual handwheel)
23	Manual operation	Through attached handwheel
24	Fail safe position	Close
Single Acting Pneumatic Cylinder		
25	Barrel MOC	SS 316
26	Piston Rod MOC	Hard Chrome plated
27	End cover	SS 316
28	Cylinder Actuation	Single acting
29	Mounting	Front flange with fork
30	Port connection	1/4" BSP (F)
Accessories		
31	Gate Guard	Metallic powder coated gate guard on both side of movement of gate
32	Piston protection	Synthetic bellows to protect from dust and slurry
33	Make	LAROX, TYCO, KEYSTONE, ORBINOX, FLSMIDTH, TECHNIGATE, V AAS BRAY, FLUIDTECHIE
24	Line size	Quantity
	125	3

Note: L1 will be decided including the cost of spares

/ *Acim*