

# Technegate™ Knife Gate Valves

The **Technegate™** Knife Gate Valve is a true bi-directional slurry knife gate valve. Its massive rubber sleeves were designed to seal and withstand the harsh abrasive duty inherent in mining and milling facilities.

The **Technegate™** Knife Gate Valve Includes the following standard features;

- Fluorocarbon coated 316L stainless steel gate
- Zinc-Nickel Plated Hardware
- Epoxy Paint
- Bi-Directional Operation
- No Packing to bind the gate
- A CNC machined gate guide & body
- Low Durometer Seats for maximum erosion protection
- ANSI B16.5 Class 150 flange bolt pattern
- All air cylinder actuated valves are supplied with an internal ring magnet for position indication
- Interchangeable with the Clarkson KGA™ J-Ring model knife gate valve
- Prompt Deliveries

Optional Features Include;

- Cylinder mounted reed / proximity switches (non-contacting)
- Splash Guard with 2 FNPT Ports
- Seats available in pure gum rubber / neoprene / chlorobutyl / E.P.D.M.
- Lock Outs
- Solenoid valves with manual override and power indication LED

2 Technegates™ in operation



Fluorocarbon Coated Gate



## Technegate™ Knife Gate Valve Specifications

VALVE SIZE		3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
<b>Specifications</b>													
Face to Face <sup>1</sup> (installed)	inches	5.75	5.75	5.86	6.13	8.88	10.13	10.13	11	12.13	14.13	14.63	15.63
	mm	146	146	149	156	226	257	257	279	308	359	372	397
Max. Height <sup>2</sup> from Centerline	inches	22.81	26.13	32.38	37.13	42.5	48.44	53.13	59.88	67.69	73.38	87.88	102.94
	mm	579	664	822	943	1079	1231	1650	1522	1720	1863	2233	2615
Max. Width <sup>2</sup>	inches	9	10	12.75	15.19	16.75	21.19	22.31	24.88	26.63	28.38	33.75	41.5
	mm	229	254	324	386	425	538	566	632	676	721	857	1054
Max. Oper. Pressure	psi	100	100	100	100	100	100	100	100	100	100	*	*
	kPa	689	689	689	689	689	689	689	689	689	689	*	*

\* Contact Manufacturer

<sup>1</sup> Allow 1/4" to 1/2" for ease of installation

<sup>2</sup> Max widths & heights are based on air cylinder actuated valve for 3"-24" and hydraulic actuated valve for 30"

### Actuator Options -Air Cylinder, Handwheel, Bevel Gear, Hydraulic and Electric

Technegate™ - open position



Technequip invites members of the various processing industries to submit their operating requirements to our staff of Professional Engineers for analysis and recommendations.



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Manufacturers of Hydrotech™ Cyclones, Cyclo-Pacs™, Tech-Taylor™ Valves,  
Vacuum Breakers™ & Technegate™ Knife Gate Valves