



Flow-Tech Valves
&
Engineers



KNIFE EDGE GATE VALVE

We, "Flow-Tech" are leading manufacturer and Exporters of KINFE EDGE GATE VALVE. This valve available with Uni-Directional and Bi-Directional design. Knife Edge Gate Valve mostly used for on-off and controlling operation. In this valve design the edge of Plate helps the cut through thickly and slurry media easily. During closing operation of the Valve the Knife edged Plate cuts off the solid media and allows the plate to seal properly. Knife Edge Gate Valve is widely used for all types of applications and can be mounted vertically or horizontally in a piping system. Knife Edge Gate Valve main benefit are compact design, most cost effective, proper sealing, easy operation, full flow area for media, low weight, easy installation and maintenance.

"Flow-Tech" provides Various MOC like CI, CS and SS to meet all separate Process Requirements. Also we provided special metal on request. Knife Edge Gate Valve are available Pressure Rating 150# / 300# / PN 10 / PN 16 with various end connection as Full Lugged, Semi Lugged, Wafer & Flanged End. We also provide Knife Edge Gate Valves as per customer's required specification and design.



TECHNICAL DETAIL

DESIGN TYPE	UNI-DIRECTIONAL BI-DIRECTIONAL
MFG. STANDARD	MSS SP 81
TESTING STANDARD	MSS SP 81
FACE TO FACE STANDARD	MSS SP 81
FLANGE STANDARD	ASME B16.5
PRESSURE & TEMPERATURE RATING	ASME B 16.34
PRESSURE CLASS	150#, 300#, PN10, PN16
STRAINER SIZE	1/2" To 36" (50 mm TO 900 mm)
END CONNECTIONS	WAFER END / FLANGED SEMI-LUGGED FULL-LUGGED
FLANGE DRILLING	150#, 300# PN10, PN16
MATERIAL OF CONSTRUCTION	CITIS 210GR, FG200 ASTM A216GR, WCB ASTM A351GR, CF8 / CF8M / CF3 / CF3M **Also Other Special Alloy available on request.
TYPE OF SEAT	METAL TO METAL SOFT SEAT (RUBBER / PTFE SEAT)
OPERATIONS	HANDWHEEL / GEAR / CHAINWHEEL PNEUMATIC / ELECTRICAL ACTUATOR

FACE TO FACE DIMENSIONS (FLANGED)		
INCH	MM	150#
2"	50	48
2.5"	65	51
3"	80	51
4"	100	51
5"	125	57
6"	150	57
8"	200	70
10"	250	70
12"	300	76
14"	350	76
16"	400	89
18"	450	89
20"	500	114
24"	600	114
26"	650	117
28"	700	117
30"	750	117

**For More & Higher Size, Please Contact Us

TEST PRESSURE				
CLASS	BODY HYDRO TEST		SEAT HYDRO TEST	
	PSIG	KG / CM2	PSIG	KG / CM2
150#	150	10	40	2.8

*Pressure Testing Time Will be 15 Sec. *Test With Water only.

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