

KNIFE EDGE GATE VALVE



FEATURES

- These valves can be supplied in both uni-directional and bi-directional configuration
- Manual valves available with either hand wheel or gear
- Both soft seated and metal seated valves are available
- Lug type cast stainless steel body
- Available size range of DN 50 to DN 600 (consult factory for larger sizes)
- Automated valves are available with either pneumatic or electric actuation
- Automated valves can be supplied with various accessories like Limit switches, Air lock relays, Flow control valves, Volume boosters, Position transmitters etc.

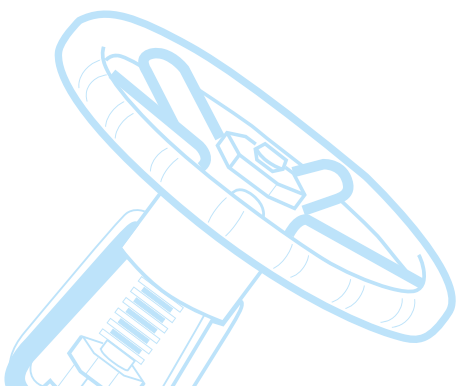
SPECIFICATIONS

Codes & Standards

• General design & mfg	MSS SP 81
• Face to face dimensions	Manufacturer's Standard
• Inspection & testing	MSS SP 81
• Flange drilling	ASME B 16.5

Technical Specifications

• Valve type	Knife Edge Gate Valve
• Body type	Single piece cast
• Seat type	Soft / Metal Seated
• End Connection	Wafer Sandwiched
• Size range	DN40 to Dn600
• Pressure rating	PN10, Pn16
• Operating temperature range	-29°C to 200°C
• Seat leakage	Tight shut of (Bi-directional)
• Operation Standard Material of Construction (MOC)	Handlever /Gear/Actuated (Pneumatic/ Electric)
• Valve Body	ASTM A126 CLASS 'B'(CI)/ASTM A 216 Gr. WCB/ASTM A 351 Gr.CF8/ASTM A 351 Gr.CF8M/ASTM A 351 Gr.CF3M
• Gate	SS304/SS316/SS316L/SS410
• Seat	PTFE/RPTFE/EPDM/VITON/METAL
• Stem	EN8/SS410(MANUAL)
• Gland Follower	ASTM A 351 Gr.CF8/ASTM A 351 Gr.CF8M/ASTM A 351 Gr.CF3M
• Yoke	Carbon steel

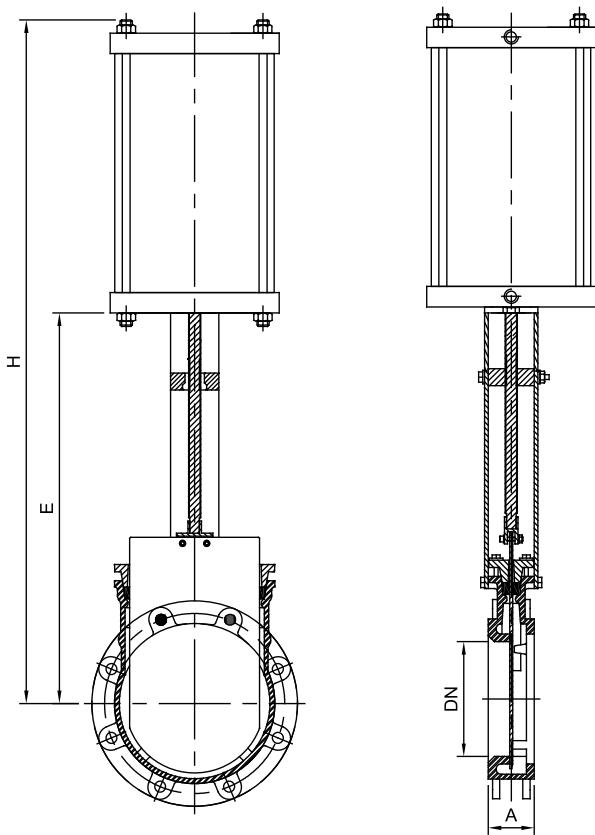




KNIFE EDGE GATE VALVE

The Knife edge Gate Valve is widely used in industries such as Water treatment plants, Mining, Paper, Power, Chemical Plants, Food, Beverage etc. These valves are designed as per MSS SP-81 and are basically used for general service applications.

GENERAL ARRANGEMENT



VALVE DIMENSION DATA					FLANGE DIMENSION & DRILLING DATA (as per ASME B 16.5)	
DN	CYLINDER SIZE	A	H MAX	E	PCD	TAPPING
50	80 x 65MM	48	360	295	150#(121 MM)	5/8"
80	80 x 90MM	51	410	320	150#(152 MM)	5/8"
100	100 x 125MM	51	498	373	150#(191 MM)	5/8"
150	125 x 175MM	57	624	449	150#(241 MM)	3/4"
200	125 x 225MM	70	807	582	150#(298 MM)	3/4"
250	160 x 275MM	70	923	648	150#(362 MM)	7/8"
300	200 x 325MM	76	1058	733	150#(432 MM)	7/8"
350	200 x 375MM	76	1165	790	150#(476 MM)	1"
400	200 x 425MM	89	1295	870	150#(540 MM)	1"
450	250 x 475MM	89	1647	967	150#(578 MM)	1 1/4"
500	250 x 510MM	114	1791	1061	150#(635 MM)	1 1/4"
600	250 x 625MM	114	2028	1198	150#(749 MM)	1 1/4"

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IPC offers comprehensive range of valve and valve automation solutions that meet all your needs in a reliable and cost effective manner. A long and proven track record in catering to various industrial sectors such as Chemical, Pharma, Oil & Gas, Power and Fertilizers through its solutions is the key strength of IPC.



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