

# KNIFE EDGE GATE VALVE (UNIDIRECTIONAL)

**SIZES: DN50 TO DN600**

**CLASS 150**



## FEATURES

- Designed for general industrial service applications.
- The design of the body and the seat assures non-clogging shut-off on suspended solid.
- Wafer style body is manufactured by casting.
- Internal cast-in gate wedges and guides allow for a tighter shut-off between gate and seat.
- Full port design for greater flow capacity and minimal pressure drop.
- The internal body design avoids any accumulation of solids that would prevent the valve from closing.
- The standard stainless steel stem offers a long corrosion resistant life.
- Stainless Steel Gate is polished on both sides to avoid jamming and seat damage.
- Bottom of the gate edge is machined to a bevel to cut through solids for a tighter seal in the closed positions.
- Valve is resilient seated. Unique design that mechanically locks the seal in the internal of the valve body with a stainless steel retainer ring.
- The epoxy coating on all cast iron and carbon steel valve bodies and components is applied by means of an electrostatic process, making the valves corrosion-resistant with a high quality finished surface.

ISO 9001:2015

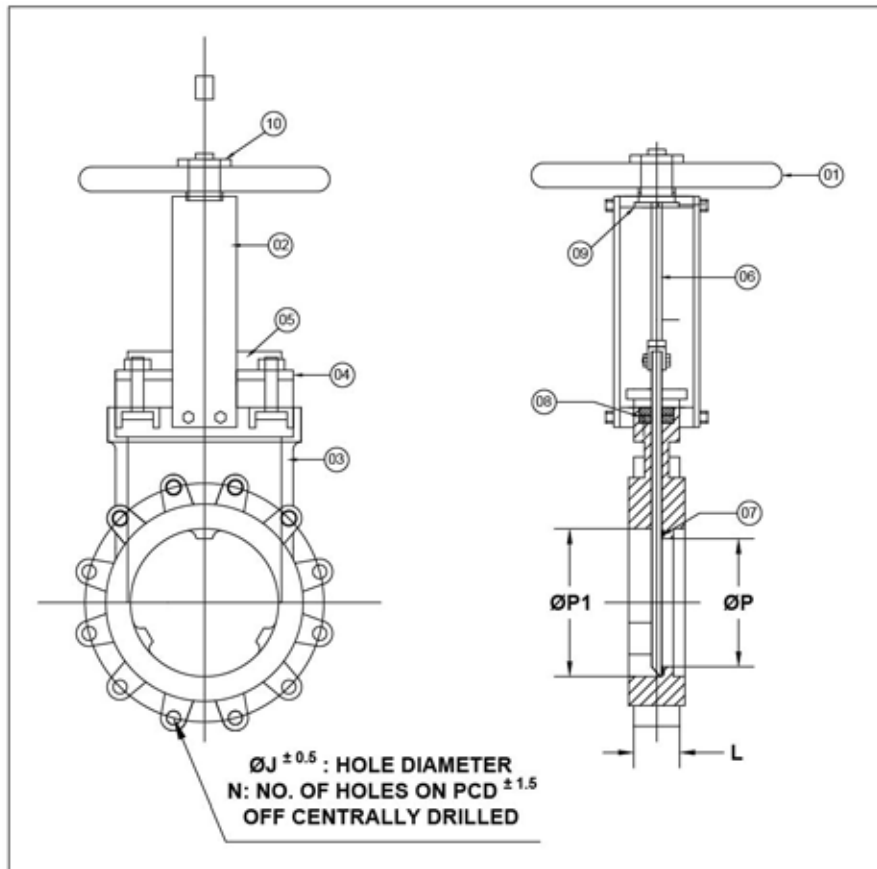
**BUREAU VERITAS**  
Certification



## TECHNICAL DATA :

MANUFACTURING STANDARD : MSS SP - 81  
 TESTING & INSPECTION STANDARD : MSS SP - 81  
 END CONNECTIONS : WAFER LUGGED TO ASME B16.5 SUIT #150

HYDROSTATIC TEST PRESSURE	
BODY	5 kg/cm <sup>2</sup>
SEAT	2.8 kg/cm <sup>2</sup>



NO.	DESCRIPTION	MATERIAL
1	HAND WHEEL	CI / WCB
2	YOKE	CARBON STEEL
3	BODY	WCB / CF8 / CF8M
4	GLAND	WCB / CF8 / CF8M
5	GATE	SS304 / SS316
6	SCREW SPINDLE	SS410 / SS304 / SS316
7	SEAT RING	NITRILE RUBBER / METAL TO METAL
8	GLAND PACKING	PTFE
9	NUT (SLEEVE)	CARBON STEEL / SS304 / SS316
10	CHECK NUT	CARBON STEEL / SS304 / SS316

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SIZE (mm)	ØP	ØP1	L	ØJ	N	PCD
50	46	62	48	19.05	4	120.7
65	61	81	48	19.05	4	139.7
80	63	88	51	19.05	4	152.4
100	85	115	51	19.05	8	190.5
125	123	186	58	22.2	8	215.9
150	139	171	58	22.2	8	241.3
200	185	221	70	22.2	8	298.5
250	236	276	70	25.4	12	362
300	277	327	76	25.4	12	431.8
350	309	359	76	28.6	12	476.3
400	375	400	76	28.6	16	539.8
450	410	457	89	31.75	16	577.9
500	460	510	114	31.75	20	635
600	562	612	114	34.9	20	749.3

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED

**REGISTERED FACTORY AND OFFICE**  
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**FOR FURTHER DETAILS, VISIT OUR WEBSITE**

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