

## KNIFE EDGE GATE VALVE (BIDIRECTIONAL)

**SIZES: DN40 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 cast monoblock with raised faces and reinforcing ribs in large diameters for extra body strength.
- 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.
- For rising stem hand wheel actuators only, a stem protector is provided for additional protection against dust while the valve is in the open position.
- Stainless steel gate is polished on both sides for a greater seal between the gate with both packing and seat and to also avoid jamming and seat damage.
- Gate is fully guided in the body allowing for bi-directional service.
- Bottom of the gate edge is machined to a bevel to cut through solids for a tighter seal in the closed positions.
- Standard PTFE impregnated synthetic fibre (ST) with EPDM O-ring, with an easy access packing gland ensuring a tight seal.
- Valve is resilient seated. The joint is seated on the body, fitted with a metallic core, in contact with the gate all over its perimeter.
- This layout provides an adequate water tightness and seamless liquid flow on both ways, avoiding at the same time any build-up of solids that would prevent the valve from closing.
- The seal is protected by the body itself.
- 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.

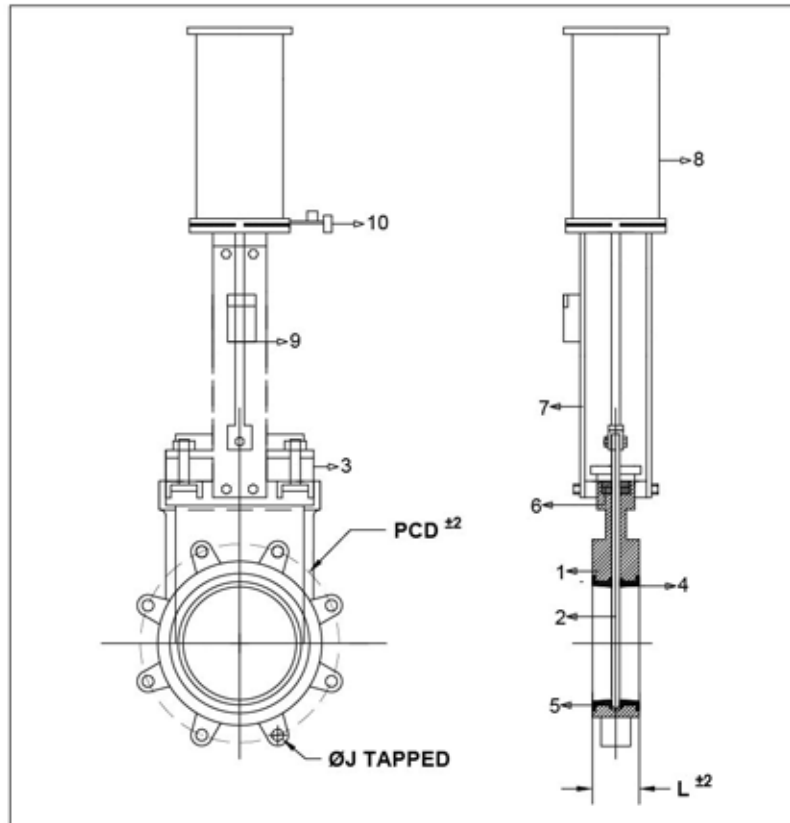
ISO 9001:2015

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



NO.	NOMENCLATURE	MATERIAL	QTY
1	BODY	WCB / CF8 / CF8M	1
2	GATE	SS304 / SS316	1
3	GLAND	WCB / CF8 / CF8M	1
4	SLEEVE A	EPDM	1
5	SLEEVE B	EPDM	1
6	GLAND PACKINGS	STANDARD	3
7	YOKE	SGI	1
8	CYLINDER PNEUMATIC	NA	1
9	SOLENOID VALVE	NA	----
10	HAND WHEEL	NA	----

SIZE		CLASS 150		
mm	inch	L	ØJ	PCD
40	1 ½ "	48	½ "	98.4000
50	2 "	48	⅝ "	120.7000
65	2 ½ "	48	⅝ "	139.7
80	3 "	51	⅝ "	152.4
100	4 "	51	⅝ "	190.5
125	5 "	57	¾ "	215.9
150	6 "	57	¾ "	241.3
200	8 "	70	¾ "	298.5
250	10 "	70	⅞ "	362
300	12 "	76	⅞ "	431.8
350	14 "	76	1 "	476.3
400	16 "	89	1 "	539.8
450	18 "	89	1 ⅛ "	577.9
500	20 "	114	1 ⅛ "	635
600	24 "	114	1 ¼ "	749.3

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

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED

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