

Electric Knife Gate Valve

Gate Valve

Size : DN50-600

Pressure : PN10,PN16, 150LB

Temp : ≤ 150 °C

Media : Slurry、Powder、Fiber

Material : DI,WCB,304, 316

Connection Type : Wafer

Feature:

1. Knife gate valve opening and closing part is the valve plate, the plate movement direction is perpendicular to the direction of the fluid. Knife gate valve can only be fully open and fully closed, can't be used for adjusted and the throttle.
2. The valve plate has two sealing surfaces. The two sealing surfaces of the most common gate valve forming the wedge, the wedge angle various according to the valve parameters, usually is 50. Wedge knife gate valve plate can be made into a whole part , called the rigid gate plate; also be made to that can produce small quantities of deformation in order to improve its production process, to make up the sealing surface angle deviations arising during processing, this plate called resilient plate. The seal can only rely on media pressure to seal, which rely on media pressure to ram pressure to the sealing surface of the other side of the seat to ensure the seal, which is self-sealing.

Product Advantages:

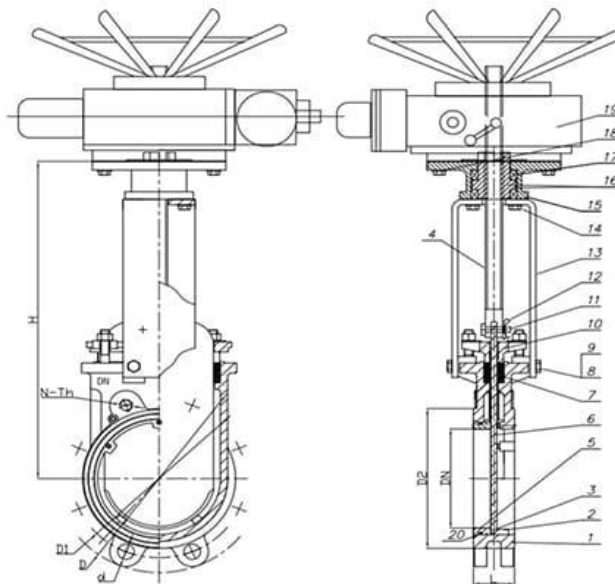
1. Precision casting valve body, fine appearance, no trachoma.
2. Valve wedge is burnished smoothly 3 times and polished 5 times to ensure the sealing performance.
3. Valve stem is equipped with bearing to reduce friction.
4. Rubber coated PTFE packing seal, which can increase the elasticity and reduce the leakage of upper seal.
5. U-shaped sealing ring of the seat to ensure the strong conbation between valve seat and body.
6. Each valve will be tested shell and sealing pressure before leaving factory.
7. 250 μ m epoxy coating, it can effectively prevent corrosion and rust.

8. The protection level of electric actuator is IP67.

Application:

Paper, petrochemical, mining, drainage, food and other industries

PARAMETERS



DN	L	D	D1	D2	N-Th	d	H
50	48	152	120	92	4-M5/8-11	19	475
65	48	178	139.5	105	4-M5/8-11	19	500
80	51	190.5	152.5	127	4-M5/8-11	19	535
100	51	220.5	190.5	157	8-M5/8-11	19	565
125	57	254	216	186	8-M3/4-10	22	610
150	57	279	241.5	216	8-M3/4-10	22	660
200	70	343	298.5	270	8-M3/4-10	22	865
250	70	406	362	324	12-M7/8-9	25	845
300	76	483	432	381	12-M7/8-9	25	725
350	76	533	476	413	12-M1-8	29	1090
400	89	597	539.5	470	16-M1-8	29	930

Optional 1

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	Body	Seat	Wedge	Stem	Actuator
	DI/WCB/CF3/ CF3M/CF8/ CF8M	Rubber/Stainless Steel/Hard Alloy/PTFE	WCB/201/CF3/ CF3M/CF8/ CF8M	2Cr13/304	Handwheel/Gear/ Motorized/Pneumatic

Name	Design and manufacture	Face to face Length	Pressure Test	End Flange
Reference Standard	JB/T 8691-2013 MSS SP-81	GB/T 12221-2005 MSS SP-81	GB/T 13927-2008	GB/T 9113-2010 DIN EN 1092-1 ASME B16.5

Name	1-Body	2-Seat	3-Wedge	8-Stem	10-Actuator
Material	WCB	EPDM	SS304	SS420	Electric



