

Pneumatic Wafer 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

Product introduction :

Knife gate valve is also named slurry valve, mud valve. Its opening and closing part is a gate. The medium is cut by a blade-shaped gate that can cut fiber materials; It rises and falls in the side guide groove, and is pressed against the valve seat by the lugs at the bottom. If a higher medium tightness is required, an O-shaped sealing valve seat can be used to achieve two-way sealing. The knife gate valve has a small installation space, low working pressure, long service life and simple maintenance.

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.

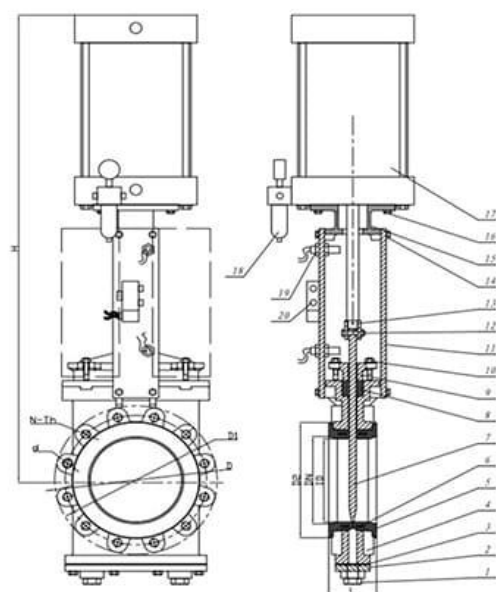
Product Advantages

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 μm epoxy coating, it can effectively prevent corrosion and rust.
8. The protection level of pneumatic actuator is IP67.

Application:

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

PARAMETERS



DN	L	D	D1	D2	D0	N-Th	d	H
50	43	165	125	99	180	4-M16	18	290
65	46	185	145	118	200	4-M16	18	310
80	46	200	160	132	220	8-M16	18	350
100	52	220	180	156	240	8-M16	18	405
125	56	250	210	184	260	8-M16	18	450
150	56	285	240	211	280	8-M20	23	510
200	60	340	295	266	300	12-M20	23	610
250	68	405	395	319	340	12-M24	27	765
300	78	460	410	370	380	12-M24	27	820
350	78	520	470	429	400	16-M24	27	970
400	102	580	525	480	450	16-M27	30	1024