

## Stainless Steel Knife Gate Valve

Size : DN50-600

Pressure : PN10,PN16, 150LB

Temp :  $\leq 150^{\circ}\text{C}$

Media : Slurry、Powder、Fiber

Material : 304, 316, 304L,316L

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.Zero leakage

The unibody casting process is adopted. The inner groove of the valve body is lined with U rubber sealing strip, which is tightly sealed with the edge of the valve plate.

#### 2.No blocking by the slag

There are no grooves at the bottom, making the flow of the fluid medium easy to plug.

#### 3. More durable

The sealing strip design makes valve more durable.

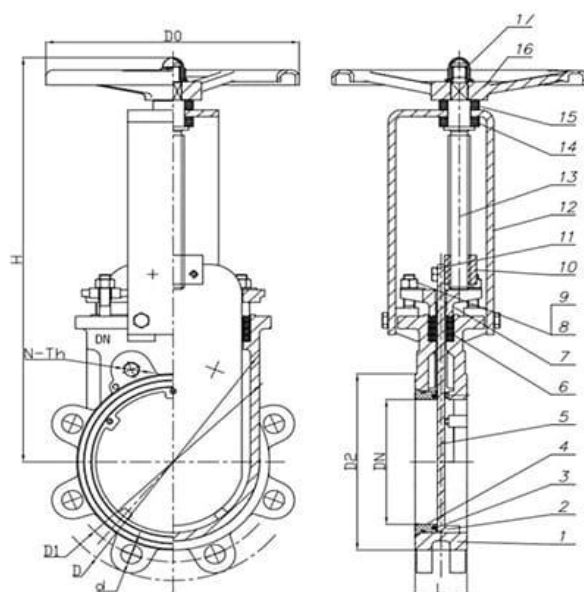
#### 4.Easy to install and disassemble

Small volume, smooth passage, small flow resistance, light weight, easy to install, easy to disassemble

### Application:

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

### PARAMETERS



DN	L	D	D1	D2	D0	N-Th	d	H
50	48	165	125	99	180	4-16	18	290
65	48	185	145	118	200	4-16	18	310
80	51	200	160	132	220	8-16	18	350
100	51	220	180	156	240	8-16	18	405
125	57	250	210	184	260	8-16	18	450
150	57	285	240	211	280	8-20	23	510
200	70	340	295	266	300	12-20	23	610
250	70	405	355	319	340	12-24	27	765
300	76	460	410	370	380	12-24	27	820
350	76	520	470	429	400	16-24	27	970
400	89	580	525	480	450	16-27	30	1024
450	89	640	585	548	530	20-27	30	1235
500	114	725	650	609	600	20-30	33	1286
600	114	840	770	720	680	20-33	36	1486