

KNIFE GATE VALVE

Application

Linuo DS series double knife gate valve is typically used for on/off service in pulp making, slurry, residue discharge and sewage treatment.

It is particularly suitable for residue discharge service on stock cleaners, gravity separators, hydropulper, etc. in the paper making industry.

Features

1. Double gate design shortens the full travel to half that of standard knife gate valves. The operation by twin cylinders will reduce the opening and closing speed by half.
2. Two-piece body construction with no cavities eliminates product build-up.
3. Tight shutoff, reliable performance.
4. O-ring loaded removable seat is self-compensating with good abrasion resistance and long service life.
5. Available with metal seat, PTFE seat or EPDM seat - selection is based on application.

Technical Specification

Nominal diameter: DN100~400

Nominal Pressure: 1.0MPa、1.6MPa、ANSI 150LB

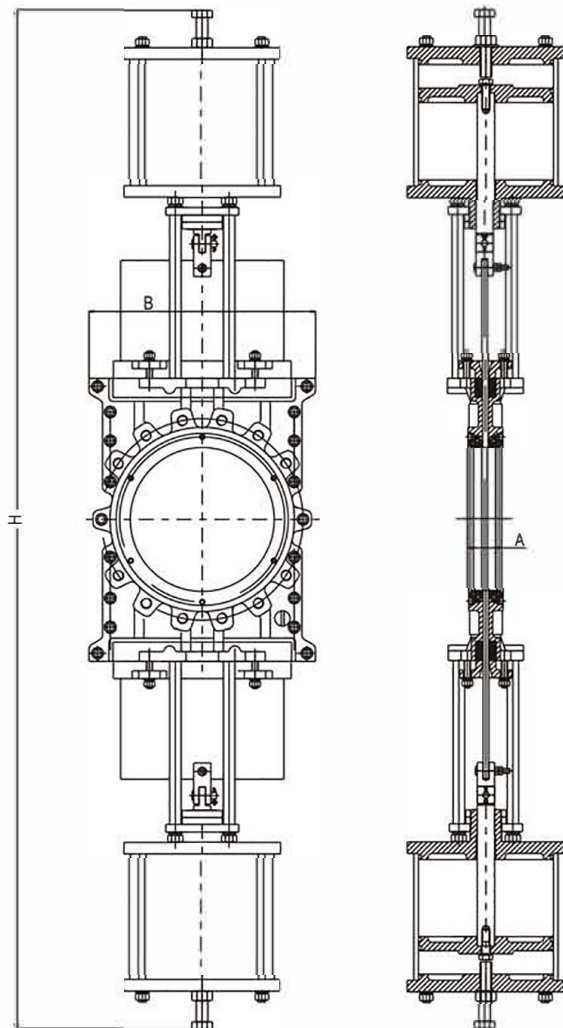
Working Temperature: -29~100℃、-29~230℃

Air Pressure: 5~7 bar

Connection Type: Wafer

Main Part Material

Body	WCB	CF8	CF8M
Gate	410+Cr	304+Cr	316+Cr
Seat	304+Cr/STL	304+Cr/STL	316+Cr/STL
Cylinder axis	45#+Cr	45#+Cr	45#+Cr
Packing	PTFE/Graphite		
Suitable Medium	Waste water, Paper Pulp, Syrup, Slag, etc.		

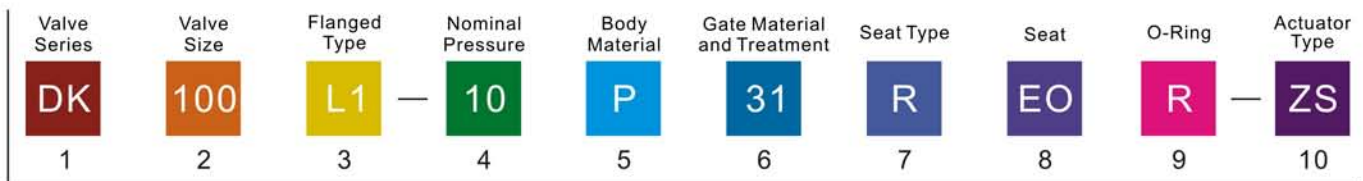


Dimensions-Model DS Series with Pneumatic Actuator

Dimensions in mm

DN (mm)	A	B	H
150	57	270	1250
200	70	350	1600
250	70	410	1840
300	76	470	2080
350	76	550	2500
400	89	620	2680

How To Order - Knife Gate Valves



1 Valve Series

DK Slurry Knife Gate Valve	DT Through-going Knife Gate Valve
DF Square Knife Gate Valve	DB Funnel Knife Gate Valve
DS Double Knife Gate Valve	DQ Wafer Type Knife Gate Valve
DC Lugged Type Knife Gate Valve	

Knife Gate Valve

2 Valve Size

050 DN50 2"	250 DN250 10"	600 DN600 24"
080 DN80 3"	300 DN300 12"	700 DN700 28"
100 DN100 4"	350 DN350 14"	800 DN800 32"
125 DN125 5"	400 DN400 16"	900 DN900 36"
150 DN150 6"	450 DN450 18"	1000 DN1000 40"
200 DN 200 8"	500 DN 500 20"	

3 Flanged Type

L1 RF Lugged	D1 RF Wafer
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4 Nominal Pressure

10	PN10	01	150Lb
16	PN16	1K	10K

5 Body Material

C	WCB	B	LCB
P	CF8	D	LCC
Q	CF3	W	WC6
M	CF8M	L	CF3M

6 Gate Material and Treatment

3 SS304	7 SS317	1 Hard Chrome Plating
4 SS304L	8 SS410	3 Nickel Base Alloy
5 SS316	9 SS201	4 Tungsten Carbide
6 SS316L		5 Ionitriding
		6 Stellite

7 Seat Type

Y Metal Seat	R Soft Seat
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8 Seat

Metal Seat		Soft Seat	
3 SS304	1 Hard Chrome Plating	PO	PTFE
4 SS304L	2 Nickel Plating	RO	RTFE
5 SS316	3 Nickel Base Alloy	NO	NYLON
6 SS316L	4 Tungsten Carbide	LO	PPL
7 SS317	5 Ionitriding	KO	PEEK
8 SS410	6 Stellite	EO	EPDM
9 SS201			

9 O-Ring

R	NBR	Temp.Range	-20°C~100°C
E	EPDM	Temp.Range	-20°C~120°C
V	VITON	Temp.Range	-20°C~230°C

10 Actuator Type

ZS	Double Acting
ZK	Electric Motor
SD	Manual

Note: Not all materials available for all models.

Note: Dimensions are for reference only. Consult factory for certified drawings.

Note: Specifications subject to change.

Wide industrial application range served by KV CONTROL product including
Chemical / Petrochemical / Oil & Gas / Pulp & Paper / Biochemistry / Pharmaceutical / Water
/ Mining



KV CONTROLS

Total Cost of Ownership

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