

# KNIFE GATE VALVE



JVL

JVL

Model: JL600-Z2/C7/H/10/C/50/D1/B/W1/B5/B7

## Design Feature

- Integral structure, ultra-thin design, full bore flow rate, less leakage, convenient disassembly & assembly.
- Good sealing performance, strong wear resistance, automatic compensation, and ultra long service life.
- Fixed guide claw design, replacing groove structure, not easy to accumulate, preventing lock up.
- Dual bearing design, low torque, frequent opening and closing, no vibration, no noise.
- Knife shaped blade, strong cutting force, self-cleaning function, suitable for fiber particle fluids

## Model Naming Method

JL	-600	-Z2	-C7	-H	-10	-C	-50	-D1	-B	-W1	-B5	-B7
Juliang brand	Pneumatic	Knife shape gate valve	Wafer	Metal hard sealing	PN	WCB	DN	Double acting	Anti explosion class	-20~80°C	Filter pressure reducing valve	Anti-explosion limit switch

## Technical Parameter

DN	DN50~600mm (Please indicate if need other DN when ordering)
Nominal pressure	1.0~1.6Mpa(Please indicate if need other pressure when ordering)
Body material	WCB(C), SS304(P), SS316(R)
Sealing material	PTFE(F), Metal hard seal(H), Hard Alloy(Y)
Medium temp.	W2:-20~150°C W3:-20~250°C W4:-29~425°C
Connection mode	Wafer
Pneumatic actuator	Straight stroke, Imported actuator series
Action mode	Double acting, Single acting normally closed, Single acting normally open
Electric actuator	Multi-turn series, Imported actuator series
Control mode	Standard switch type, Integral regulating type, Integral switch type, Field bus type

• Notes: Other special sealing materials and special temperature can be selected according to customers' requirements.

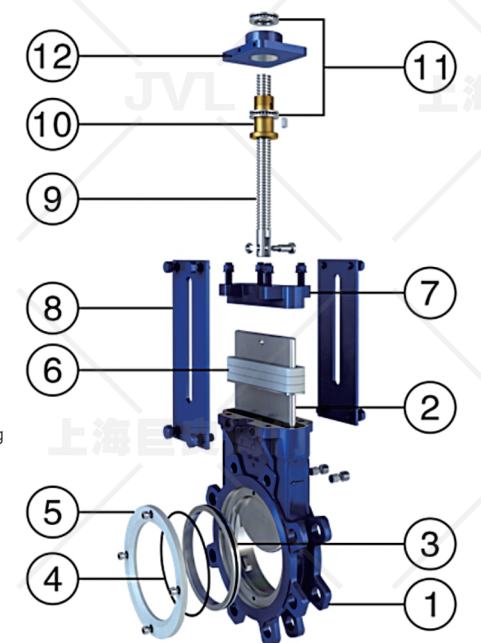
## Main component table

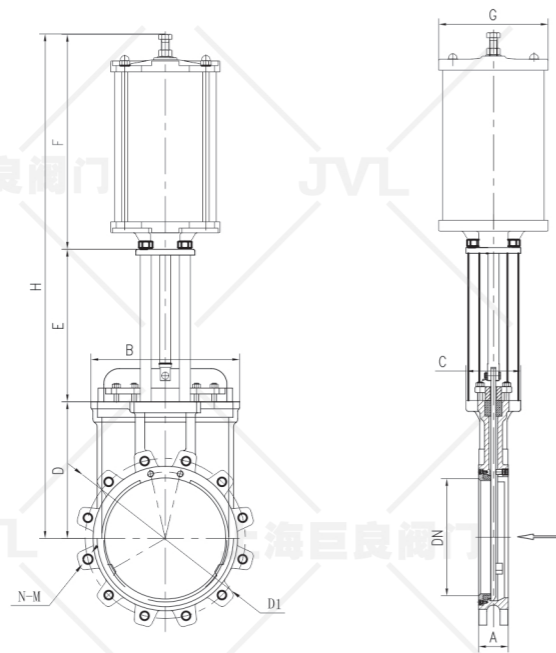
No.	Part Name	No.	Part Name
1	Valve body	11	Bearing
2	Gate plate	12	Support
3	Seat	13	Pneumatic actuator
4	O type ring		
5	Valve seat cover		
6	Packing		
7	Packing gland		
8	Bracket		
9	Stem		
10	Stem nut		

• Note: The materials of main parts and sealing ring can be designed and selected according to the actual working conditions or customers' requirements.

## Technical specification

Design consideration	GB
Design standard	GB/T12237
Structure length	GB/T 12221
Flange connection	GB/T9113
Test & Inspection standard	JB/T 9092





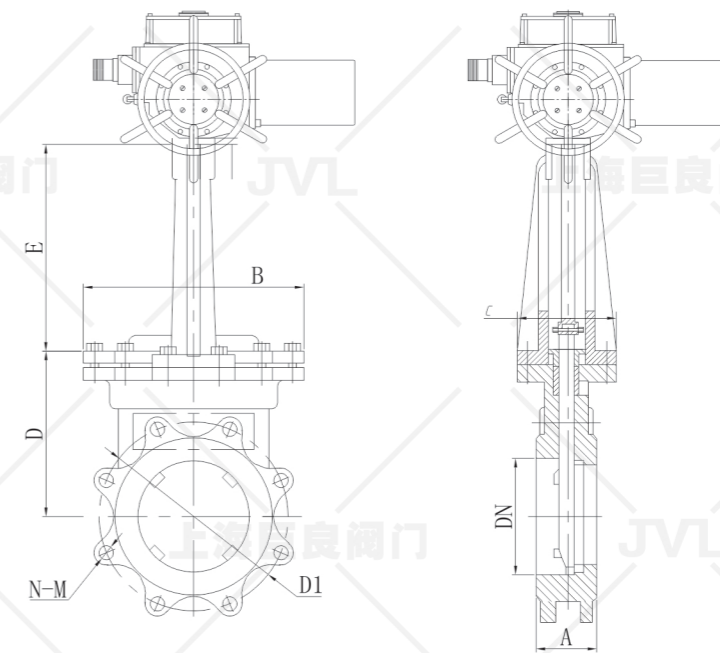
▼ PNEUMATIC OVERALL DIMENSIONS CHART-PN10 ( 10bar )

DN	Overall Dimension						
	A	B	C	D	E	D1	N-M
50	48	135	106	100	129	125	4-M16
65	48	155	106	115	147	145	4-M16
80	51	175	106	121	168	160	8-M16
100	51	163	106	138	192	180	8-M16
125	57	192	120	160	215	210	8-M16
150	57	216	130	185	245	240	8-M20
200	70	271	130	235	302	295	8-M20
250	70	335	140	300	355	350	12-M20
300	76	381	160	350	401	400	12-M20
350	76	436	180	400	465	460	16-M20
400	89	505	180	455	511	515	16-M24
450	89	550	240	510	580	565	20-M24
500	114	600	270	560	640	620	20-M24
600	114	700	270	650	740	725	20-M27

●Note: According to different valve torque, different air supply pressure and different actual working conditions, select the matched actuator, and its relevant dimensions change accordingly.

▼ Attachment selection

Solenoid valve	3/2, 5/2, single electric control and double electric control, please indicate when ordering
Filter pressure reducing valve	Stabilize and filter air source pressure
Limit switch	Remote feedback switch signal
Manual device	Open and close valve manually
Positioner	Input analog signal (4-20mA or 0-10V),adjust valve travel
Remark	The above accessories are not standard accessories, if you need them, please indicate when ordering, solenoid valve and limit switch are divided into explosion-proof type and non-explosion-proof type, please indicate the explosion-proof grade if you need.



▼ ELECTRIC OVERALL DIMENSIONS CHART-PN10 ( 10bar )

DN	Overall Dimension						
	A	B	C	D	E	D1	N-M
50	48	135	106	100	129	125	4-M16
65	48	155	106	115	147	145	4-M16
80	51	175	106	121	168	160	8-M16
100	51	163	106	138	192	180	8-M16
125	57	192	120	160	215	210	8-M16
150	57	216	130	185	245	240	8-M20
200	70	271	130	235	302	295	8-M20
250	70	335	140	300	355	350	12-M20
300	76	381	160	350	401	400	12-M20
350	76	436	180	400	465	460	16-M20
400	89	505	180	455	511	515	16-M24
450	89	550	240	510	580	565	20-M24
500	114	600	270	560	640	620	20-M24
600	114	700	270	650	740	725	20-M27

●Note: According to different valve torque, different voltage and different actual working conditions, select the matched actuator, and its relevant dimensions change accordingly.

▼ Control mode selection

Standard switch type	Active switching quantity control, passive switching quantity feedback
Integral switch type	Passive switching quantity control, passive switching quantity feedback
Integral regulating type	Analog quantity control(4-20mA), Analog quantity feedback(4-20mA)
RS485 Field bus type	Support RS485 communication
Remark	Other type of control signal and feedback signal can be customized according to customers' requirements