



LPL11—

Knife Gate Valve Series



Code	Actuator	Action	Air Fail Position	Control	Structure	Body	Sealing	Disc	Connection DN	PN
LPL11-	1 Pneumatic	D Double-acting	1 Normally Open	A On-off	5 One-piece	A 316L	R BODY	A 316L	2 Wafer	
	2 Pneumatic & Handwheel	S Single-acting	2 Normally Closed	B Control	0 Others	B 316	S STL	B 316		
	3 Electric DC24V	0 Others	3 Flexible	C Intelligent		C 304	P EPDM	C 304		
	4 Electric AC220V		0 Others	0 Others		D WCB	0 Others	I 304L		
	5 Electric AC380V					0 Others		0 Others		
	7 Handle									
	8 Turbine									
	0 Others									

FEATURES

Face-to-face dimensions adopt short series, and light weight valve is adopted, so as to save pipe supporter.

During the opening and closing of the valve, the gate disc can automatically scrape off the adhered medium and is beneficial to sealing.

The wedge type limit stopper can provide sealing force, reliable sealing. The guide nail can provide sealing force, reliable sealing.

The anti-abrasive bushings of different material can be provided according to requirements so as to prolong the service life of the valve.

Actuators (electric, gear box, pneumatic, hydraulic) can be freely selected.



Product Specification

Design spec	Face to face	Design spec	TEST & Check	Marking	Supply
JB/T8691	GB/T12221	JB/T79	JB/T8691	GB/T12223	JB/T7928
MSS SP-81	MSS SP-81	ASME B 16.5	MSS SP-81	MSS SP-25	MSS SP-81

Main Part Specification

Part Name	Main Body Material Code
Body/Bonnet	Carbon steel/ Stainless steel
Disc	Stainless steel
Stem	Stainless steel
Packing	Rubber/PTFE/Graphite
Suitable Temp	-29~+425°C
Suitable Medium	Paper pulp, Mixture of sewage, coal slurry, ash and seriflux

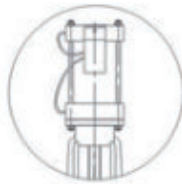




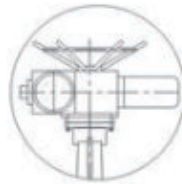
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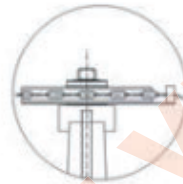
Bevel gear



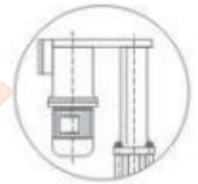
Pneumatic



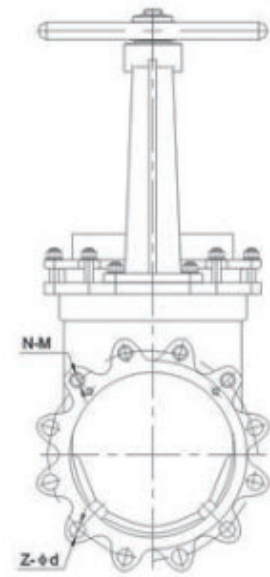
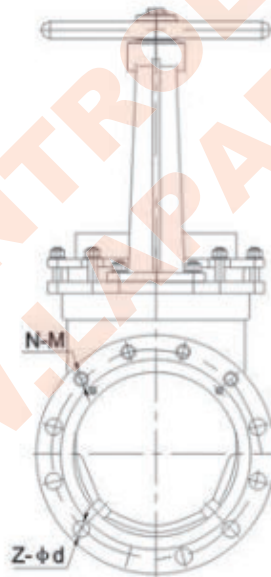
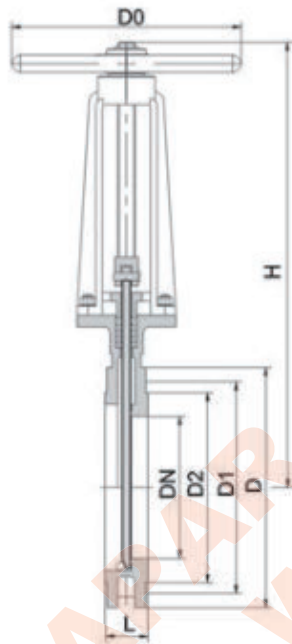
Electric



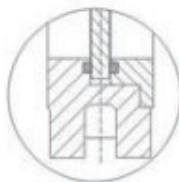
Sprocket wheel



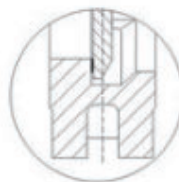
Electric-hydraulic



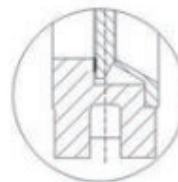
Soft seal



Double-direction Soft seal



Hard seal



Hard seal with Detector



Flexible seal



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Main External and Connection Dimension (JB/T79)

Unit:mm

SIZE	1.0MPa							WT (Kg)
	L	D	D1	D2	N-M	Z-Φd	H	
50	43	160	125	100	2-M16	2-Φ18	285	11
65	46	180	145	120	2-M16	2-Φ18	295	12
80	46	195	160	135	2-M16	2-Φ18	315	15
100	52	215	180	155	2-M16	6-Φ18	365	16
125	56	245	210	185	2-M16	6-Φ18	400	30
150	56	280	240	210	2-M20	6-Φ23	475	49
200	60	335	295	265	2-M20	6-Φ23	540	58
250	68	390	350	320	4-M20	8-Φ23	630	95
300	78	440	400	368	4-M20	8-Φ23	780	430
350	78	500	460	428	6-M20	10-Φ23	885	149
400	102	565	515	482	6-M22	10-Φ25	990	225
450	114	615	565	532	8-M22	12-Φ25	1100	345
500	127	670	620	585	8-M22	12-Φ25	1200	440
600	154	780	725	685	8-M27	12-Φ30	1450	590
700	165	895	840	800	10-M27	14-Φ30	1950	855
800	190	1010	950	905	10-M30	14-Φ34	2450	970

Main External and Connection Dimension (ASME B16.5)

Unit:mm

SIZE	ASME 150LB							WT (Kg)
	L	D	D1	D2	N-M	Z-Φd	H	
2	48	152	120.5	92	2-M16	2-Φ18	285	11
2-1/2	48	178	139.5	105	2-M16	2-Φ18	295	12
3	51	190	152.5	127	2-M16	2-Φ18	315	15
4	51	229	190.5	157	2-M16	6-Φ18	365	16
5	57	254	216	186	2-M20	6-Φ22	400	30
6	57	279	241.5	216	2-M20	6-Φ22	475	49
8	70	343	298.5	270	2-M20	6-Φ22	540	58
10	70	406	362	324	4-M22	8-Φ25	630	95
12	76	480	432	381	4-M22	8-Φ25	780	430
14	76	533	476	413	4-M27	10-Φ30	885	149
16	89	597	540	470	6-M27	10-Φ33	990	225
18	89	635	578	533	6-M30	12-Φ33	1100	345
20	114	699	635	584	8-M30	12-Φ33	1200	440
24	114	813	749.5	692	8-M33	12-Φ36	1450	590
30	117	985	914	857	12-M33	16-Φ36	1950	855
36	117	1170	1086	1022	14-M39	18-Φ42	2450	970

