

INSULATION BALL VALVE

JVL



Model: JL600-Q12/C4/PPL/16/P/50/D1/W3/B1/B6

Design Feature

- Stable temperature control, small heat loss, quick response, zero leakage
- Fire-proof, stactic-proof structure, silica sol precision casting, safe & reliable
- The valve meets ISO5211 standard high platform design, ultra long service life
- Bidirectional sealing, bidirectional pressure bearing, automatic compensation, self-cleaning function
- Available for medium with fiber, particles or high-viscous medium

Model Naming Method

JL	-600	-Q12	-C4	-PPL	-16	-P	-50	-D1	-	-W3	-B1	-B6
Juliang brand	Pneumatic Insulation ball valve	Flange	PPL	PN	SS304	DN	Double acting	Anti explosion class	-20~250℃	3/2 solenoid valve	Limit switch	

Technical Parameter

DN	DN15~200mm
Nominal pressure	1.6~6.4Mpa (other pressure, please indicate when ordering)
Body material	WCB(C), SS304 (P), SS316 (R)
Sealing material	PTFE (F), PPL (PPL) Metal hard seal (H), Hard alloy (Y)
Medium temp.	W2:-20~150℃ W3:-20~250℃ W4:-29~425℃
Connection mode	Flange
Pneumatic actuator	JLAT series, JLAW series, Imported actuator series
Action mode	Double acting, Single acting normally closed, Single acting normally open
Electric Actuator	JLA series, JLB series, Imported actuator series
Control mode	Standard switch type, Integral regulating type, Integral switch type, Field bus type

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

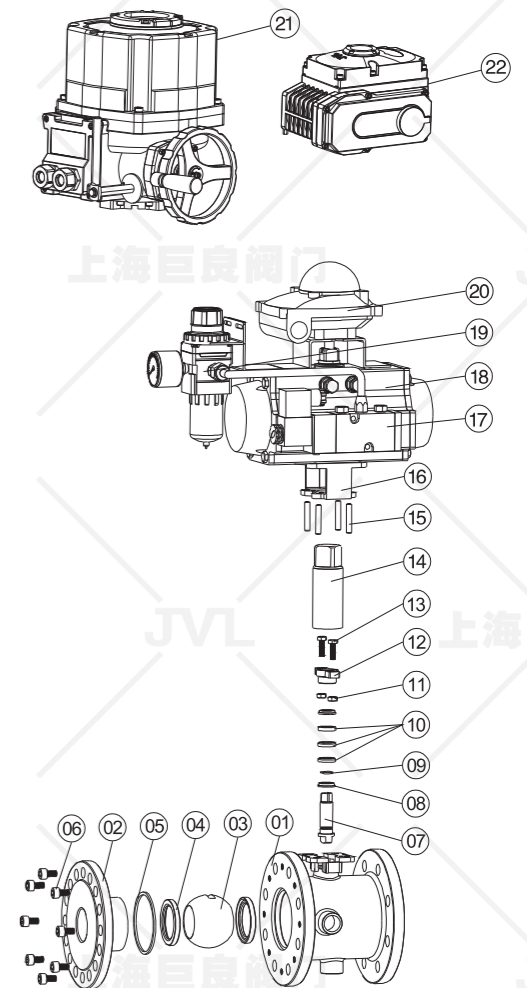
Main component table

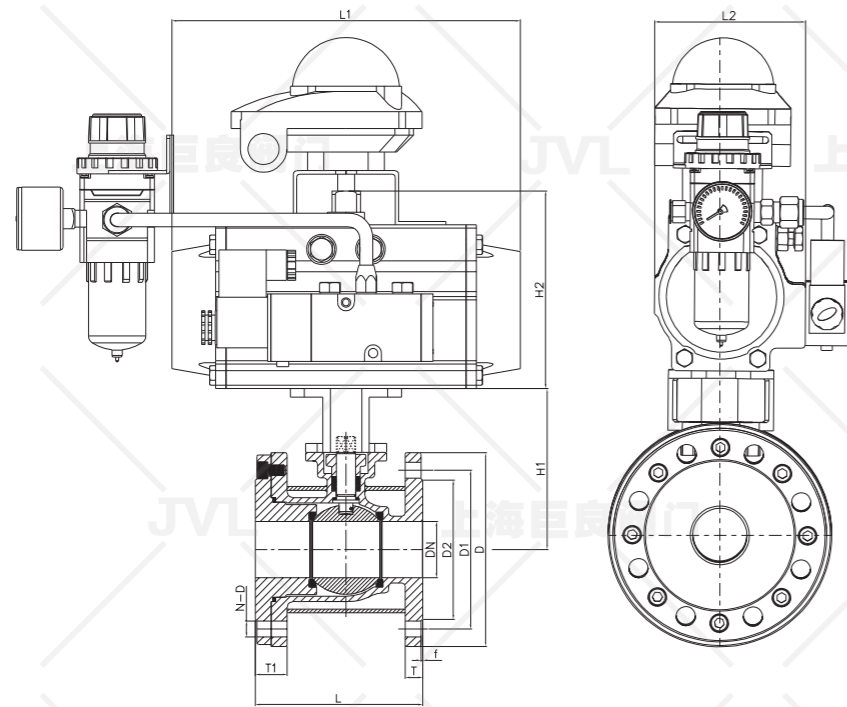
No.	Part Name	No.	Part Name
1	Valve body	12	Packing gland
2	Bonnet	13	Bolt
3	Ball	14	Connecting sleeve
4	Valve seat	15	Bolt
5	Sealing gasket	16	Connecting bracket
6	Bolt	17	Solenoid valve
7	Stem	18	Pneumatic actuator
8	Thrust washer	19	Filter pressure reducing valve
9	O type ring	20	Limit switch
10	Packing	21	Anti -explosion electric actuator
11	Nut	22	Electric actuator

• 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		API	
	Design standard	GB/T 12237	API 608	API 6D
Structure length	ASME B16.10			
Flange standard	HG/T 20592	ASME B16.5		
Test, Inspection standard	GB/T 26480	API 598		





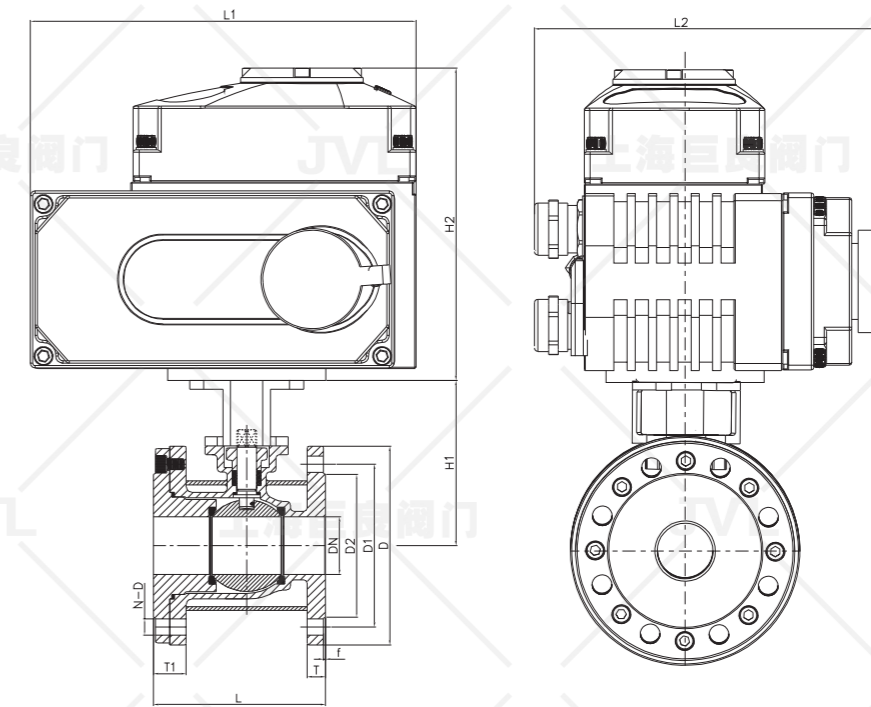
▼ PNEUMATIC OVERALL DIMENSIONS CHART-PN16 (16bar)

DN	Overall Dimension					Connection Size						Actuator Model
	L	L1	L2	H1	H2	D	D1	D2	T	f	N-D	
15	130	159/172	73/85	92	73/90	95	65	45	14	2	4-14	JLATD52/JLATE63
20	140	172/185	85/95	97	90/110	105	75	55	14	2	4-14	JLATD63/JLATE75
25	150	185/215	95/105	102	100/110	115	85	65	14	2	4-14	JLATD75/JLATE83
32	165	215/265	105/110	122	110/120	135	100	78	16	2	4-18	JLATD83/JLATE92
40	180	215/265	105/110	137	110/120	145	110	85	16	3	4-18	JLATD83/JLATE92
50	200	265/270	110/125	145	120/142	160	125	100	16	3	4-18	JLATD92/JLATE105
65	220	270/310	125/142	155	142/158	180	145	120	18	3	8-18	JLATD105/JLATE125
80	250	270/310	125/142	175	142/158	195	160	135	20	3	8-18	JLATD105/JLATE125
100	280	310/400	142/160	185	158/178	215	180	155	20	3	8-18	JLATD125/JLATE140

●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-PN16(16bar)

DN	Overall Dimension					Connection Size						Actuator Model
	L	L1	L2	H1	H2	D	D1	D2	T	f	N-D	
15	130	165/320	150/220	92	135/270	95	65	45	14	2	4-14	JLA05/JLB10
20	140	165/320	150/220	97	135/270	105	75	55	14	2	4-14	JLA05/JLB10
25	150	165/320	150/220	102	135/270	115	85	65	14	2	4-14	JLA05/JLB10
32	165	165/320	150/220	122	135/270	135	100	78	16	2	4-18	JLA05/JLB10
40	180	190/320	170/220	137	140/270	145	110	85	16	3	4-18	JLA10/JLB15
50	200	190/355	170/250	145	140/275	160	125	100	16	3	4-18	JLA16/JLB20
65	220	270/375	220/290	155	170/315	180	145	120	18	3	8-18	JLA20/JLB30
80	250	270/375	220/290	175	170/315	195	160	135	20	3	8-18	JLA20/JLB30
100	280	270/375	220/290	185	170/315	215	180	155	20	3	8-18	JLA40/JLB40

●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