

# LAPAR

## 卫生级蝶阀 LPC12-

## Sanitary Butterfly Valve





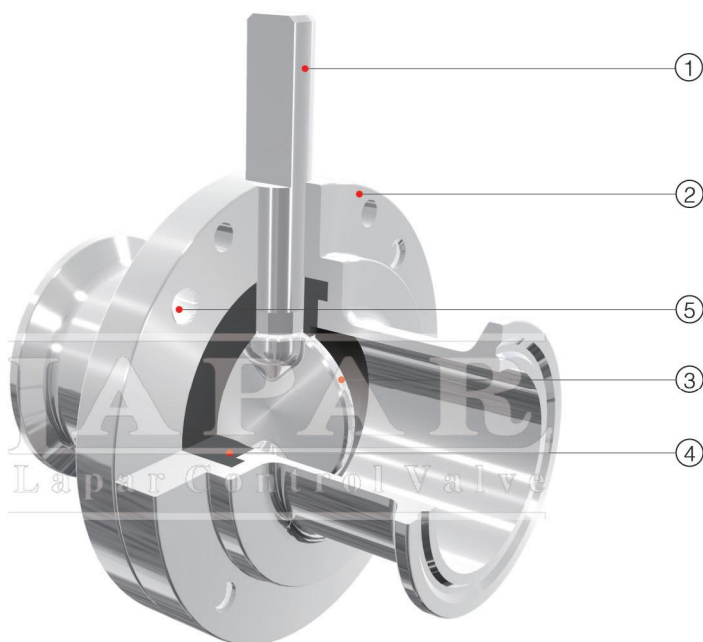
# 卫生级蝶阀 LPC12-



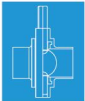
阀类代号 Code	执行机构 Actuator	作用形式 Action	出厂状态 Air Fail Position	控制方式 Control	结构形式 Structure	阀体材质 Body Material	密封材质 Sealing Material	阀板材质 Disc Material	连接方式 Connection	口径 DN	压力 PN
LPC12-	<b>1</b> 气动 Pneumatic <b>2</b> 气动+手轮 Pneumatic & Handwheel <b>3</b> 电动 DC24V Electric <b>4</b> 电动 AC220V Electric <b>5</b> 电动 AC380V Electric <b>7</b> 手柄 Handle <b>0</b> 其它 Others	<b>D</b> 双作用 Double-acting <b>S</b> 单作用 Single-acting <b>0</b> 其它 Others	<b>1</b> 常开 Normally Open <b>2</b> 常闭 Normally Closed <b>3</b> 无固定 Flexible <b>4</b> 保位 Held <b>0</b> 其它 Others	<b>A</b> 开关型 On-off <b>B</b> 调节型 Control <b>C</b> 智能型 Intelligent <b>0</b> 其它 Others	<b>1</b> A型 A Type <b>0</b> 其它 Others	<b>A</b> 316L <b>C</b> 304 <b>0</b> 其它 Others	<b>O</b> EPDM <b>U</b> FPM <b>Z</b> SI <b>0</b> 其它 Others	<b>A</b> 316L <b>C</b> 304 <b>0</b> 其它 Others	<b>4</b> 卡箍 Clamp <b>5</b> 对焊 Weld	<span style="display: inline-block; width: 15px; height: 10px; background-color: #8B4513; border: 1px solid black;"></span>	<span style="display: inline-block; width: 15px; height: 10px; background-color: #4169E1; border: 1px solid black;"></span>

## 设计特性 Design Feature

金属材质 Metal Material	与产品接触得部件 Contact Product Parts	304/316L(14307/1.4404) 锻造 Forged
	不与产品接触得部件 Non-contact Product Parts	304/316L(1.4301)
	可提供 EN 10204 3.1B证书 Provide EN 10204 3.1B Certificate	
密封材质 Sealing Material	标配 Standard	EPDM
	选配 Option	FPM,SI
	采用进口密封材料，所有密封材质均符合FDA 177.2600 All seal materials comply with FDA 177.2600	
温度 Temperature	工作温度 Working Temperature	-20°C~+120°C
	灭菌温度 Sterilization Temperature	150°C ( MAX 20min )
表面处理 Surface Treatment	内表面处理 Internal Surface	R≤0.8um
	外表面处理 External Surface	R≤1.6um



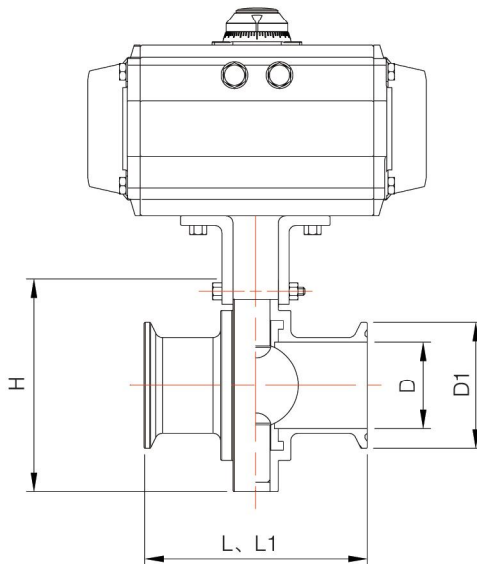
序号 NO.	零件 Part	材质 Material
1	阀杆 Stem	SS304
2	阀体 Body	SS304, SS316L
3	阀板 Disc	SS304, SS316L
4	阀座 Seat	EPDM,FPM,SI
5	螺栓 Bolt	SS304



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3A 卡箍 Clamp

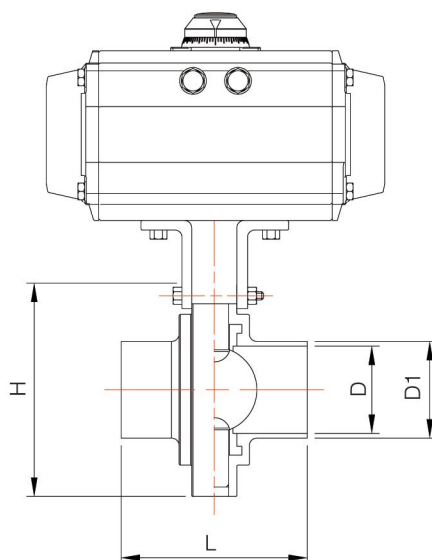


Unit:mm

SIZE	L	L1	D	D1	H
1"	66	89	22.1	50.5	79
1-1/2"	66	89	34.8	50.5	85
2"	70	95.2	47.5	64.0	105
2-1/2"	70	96.8	60.2	77.5	112
3"	76	103	72.2	91.0	125
4"	76	103	97.6	119.0	157

注: L为短卡箍,L1为长卡箍 L for short clamp,L1 for long clamp

3A/SMS对焊式 Weld



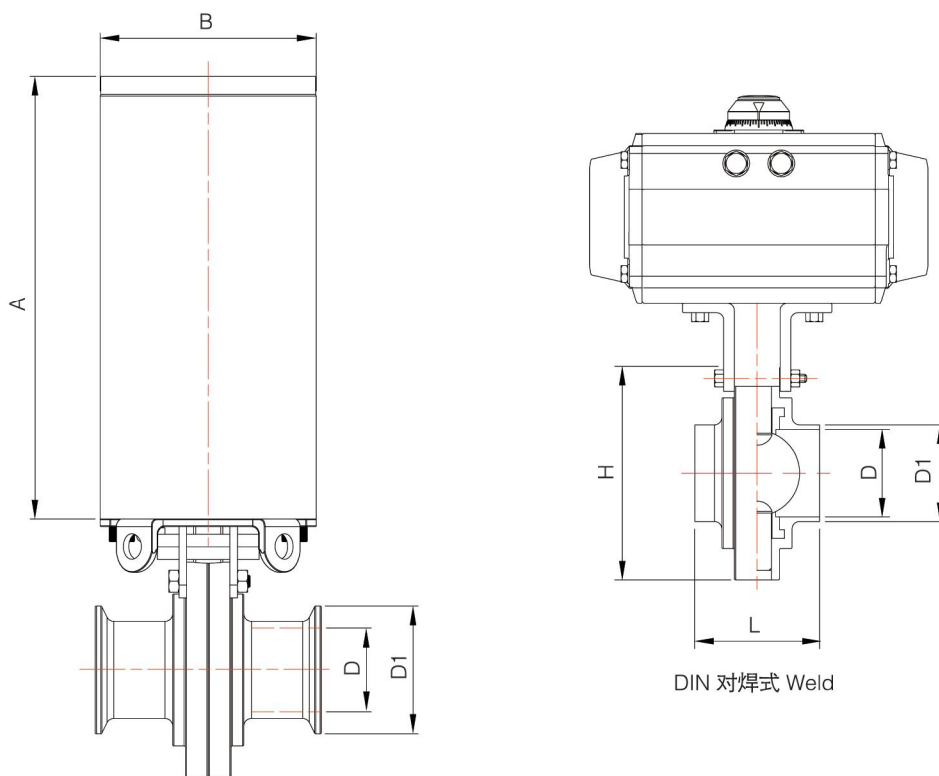
Unit:mm

SIZE	L	H	3A		SMS		
			D	D1	SIZE	D	D1
1"	68	79	22.1	25.4	DN25	22.5	25
1-1/2"	76	85	34.8	38.1	DN38	34.5	38
2"	80	105	47.5	50.8	DN51	48.0	51
2-1/2"	80	112	60.2	63.5	DN63	60.2	63.5
3"	82	125	72.2	76.2	DN76	72.1	76.1
4"	88	157	97.6	101.6	DN104	100	104



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DIN 对焊式 Weld

Unit:mm

SIZE	L	D	D1	H
DN25	47	25	28	69
DN32	47	31	34	69
DN40	47	37	40	80
DN50	52	50	53	92
DN65	54	64	70	114
DN80	58	80	84	134
DN100	68	100	104	156
DN125	74	125	129	194
DN150	74	150	154	218
DN200	71	200	204	300

Unit:mm

SIZE	A	B	卡箍 Clamp		对焊 Weld					
					3A		SMS		DIN	
			D	D1	D	D1	D	D1	D	D1
DN25	184	85	22.1	50.5	22.1	25.4	22.5	25	25	28
DN32	184	85	-	-	-	-	-	-	31	34
DN40	184	85	34.8	50.5	34.8	38.1	34.5	38	37	40
DN50	184	85	47.5	64.0	47.5	50.8	48.0	51	50	53
DN65	184	85	60.2	77.5	60.2	63.5	60.2	63.5	64	70
DN80	184	85	72.2	91.0	72.2	76.2	72.1	76.1	80	84
DN100	224.5	109	97.6	119.0	97.6	101.6	100	104	100	104
DN125	224.5	109	-	-	-	-	-	-	125	129
DN150	307.5	133	-	-	-	-	-	-	150	154
DN200	307.5	133	-	-	-	-	-	-	200	204





国际通用卫生管理标准及尺寸

International general standard and measurement of sanitary pipe and fittings

Unit:mm

ISO 2037		DIN 11850		JIS G 3459		SMS		3A		IDF	
O.D	T	O.D	T	O.D	T	OD	T	OD	T	OD	T
12	1	13	1.5	13.8	1.65						
17.2	1	19	1.5	17.3	1.65						
21.3	1	23	1.5	21.7	2.1						
25.4	1.2	29	1.5	27.2	2.1	25	1.25	25.4	1.25	25.4	1.5
33.7	1.2	36	1.5	34	2.8					31.8	1.5
38.1	1.5			42.7	2.8	38	1.25	38.1	1.25	38.1	1.5
40	1.5	41	1.5								
50.8	1.5	53	1.5	48.6	2.8	51	12.5	50.8	1.65	50.8	1.5
63.5	2			60.5	2.8	63.5	1.5	63.5	1.65	63.5	2
70	2	70	2								
76.3	2			76.3	3.0	76.1	1.6	76.2	1.65	76.3	2
88.9	2	85	2	89.1	3.0					89.1	2
101.6	2			101.6	3.0	104	2	101.6	1.65	101.6	2
114.3	2	104	2	114.3	3.0						
139.7	2	129	2	139.8	3.4						
168.3	2.6			165.2	3.4						
219.1	2.6	154	2	216.5	3.4						

ISO 2037、SMS：国际标准 international standard

DIN 11850：德国标准 German standard

JIS G 3459：日本标准 Japanese standard

3A：美国标准 3-A Standard

IDF：国际乳联标准 IDF standard

不锈钢化学成分与力学性能

Chemical composition and mechanics property

Unit:mm

	钢种 Metal	化学成分 Chemical Composition								力学性能 Mechanics Property			
		C ≤	Si ≤	Mn ≤	P ≤	S ≤	Cr	Mo	N	$\sigma_{s0.2}$ (Mpa) ≥	$\sigma_b$ (Mpa) ≥	$\delta 5\%$	HB ≤
(GB)	CCr18Ni9	0.07	1	2	0.035	0.03	17-19	/	8-11	205	520	40	40
	0CCr19Ni10	0.03	1	2	0.035	0.03	18-20	/	8-12	177	480	40	40
	DCr17Ni12Mo2	0.08	1	2	0.035	0.03	16-18.5	2-3	10-14	205	520	40	40
	00Cr17Ni12Mo2	0.03	1	2	0.035	0.03	16-18	2-3	12-15	177	480	40	40
(ASTM)	304	0.08	1	2	0.045	0.03	18-20	/	8-11.5	205	515	35	35
	304L	0.035	1	2	0.045	0.03	18-20	/	8-12	170	485	35	35
	316	0.08	1	2	0.045	0.03	16-18	2-3	10-14	205	515	35	35
	316L	0.035	1	2	0.045	0.03	16-18	2-3	10-14	170	485	35	35
(JIS)	SUS304	0.08	1	2	0.045	0.03	18-20	/	8-11	206	520	35	35
	SUS304L	0.03	1	2	0.045	0.03	18-20	/	9-13	177	481	35	35
	SUS316	0.08	1	2	0.045	0.03	16-18	2-3	10-14	206	520	35	35
	SUS316L	0.03	1	2	0.045	0.03	16-18	2-3	12-15	177	481	35	35
(DIN)	1.43D1	0.07	1	2	0.045	0.015	17.5-19.5	/	8-10.5	205	520	40	40
	1.43D7	0.03	1	2	0.045	0.015	17.5-19.5	/	8-10.5	180	480	40	40
	1.43D1	0.07	1	2	0.045	0.015	16.5-18.5	2-2.5	10-13	205	520	40	40
	1.43D4	0.03	1	2	0.045	0.015	16.5-18.5	2-2.5	10-13	180	480	40	40