

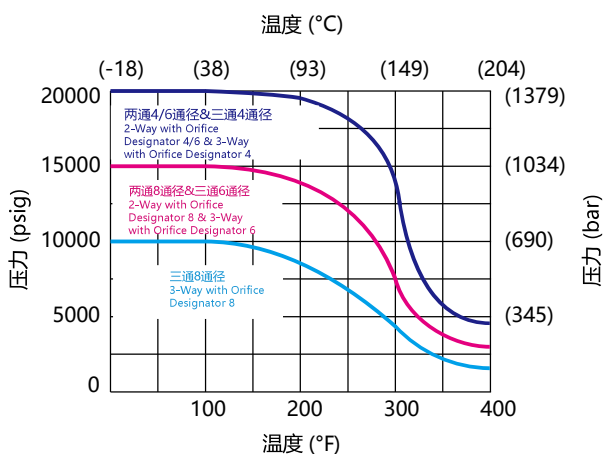
中压球阀 1379 bar (20,000 psig) Ball Valves

注: 根据不同接口及尺寸选择不同的工作压力 (详见订购选型表)

特征/Features

- ◎ 工作压力可达1379 bar(20,000 psig)
 - ◎ 氟橡胶O形圈工作温度:-17.8°C至204°C(0F至400°F),
其他O形圈材质可选
 - ◎ PEEK阀座可提供优良的化学适应性, 抗高温耐磨损和耐擦伤性
 - ◎ 耳轴形阀杆
 - ◎ 全流通流道降低压降
 - ◎ 两通或三通流道形式可选, 两通阀可以双向流动
 - ◎ 气动执行器可供选择, 驱动气压范围:5.5 bar至 8 bar(80 psig至116 psig)
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- ◎ Working pressure up to 20,000 psig (1379 bar)
 - ◎ Fluorocarbon FKM O-ring for operation from 0°F to 400°F (-17.8°C to 204°C);
other O-ring materials available
 - ◎ PEEK seats offer excellent resistance to chemicals, heat and abrasion
 - ◎ Trunnion mounted stem design
 - ◎ Full-port flow path to minimize pressure drop
 - ◎ 2-way and 3-way valve configurations optional, with bidirectional flow for 2-way valves
 - ◎ Pneumatic actuator optional with air pressure from 80 psig to 116 psig (5.5 bar to 8 bar)

温压曲线



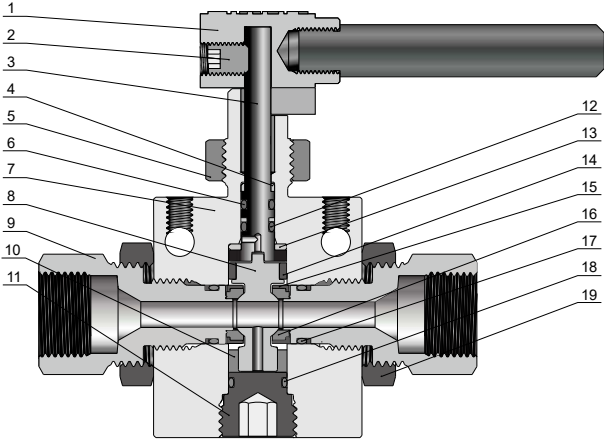
常温工作压力

流通模式	通径		工作压力 ^① bar (psig)
	代号	尺寸 mm (in.)	
两通	1	6.35 (0.25)	1379 (20,000)
	2	9.5 (0.375)	1379 (20,000)
	4	12.7 (0.5)	1034 (15,000)
三通	1	4.8 (0.19)	1379 (20,000)
	2	8.3 (0.33)	1034 (15,000)
	4	12.7 (0.5)	690 (10,000)

① 1/2" 及以下 NPT 端口的工作压力为 1034 bar (15,000 psig)
1/2" 以上 NPT 端口的工作压力为 690 bar (10,000 psig)。

标准结构材料

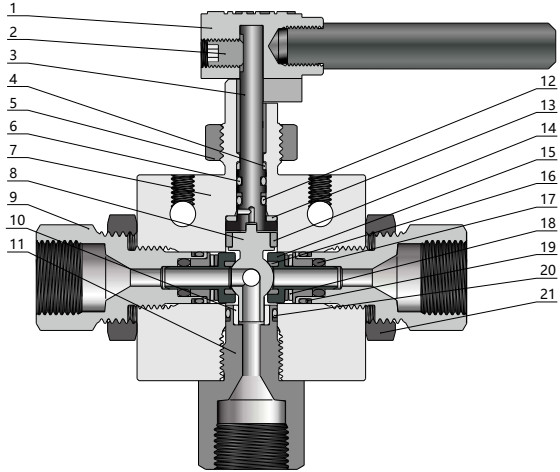
两通结构/ 2-Way Straight Valves



序号 Item	元件 Component	材料等级 Material Grade
1	手柄/Handle	不锈钢/Stainless Steel
2	固定螺钉/Set Screw	不锈钢/Stainless Steel
3	阀杆/Stem	316 SS
4	支撑环/Stem Backup	PEEK
5	面板螺母/Panel Nut	316 SS
6	阀杆 O 形圈/ Stem O-Ring	氟橡胶/Fluorocarbon FKM
7	阀体/Body	316 SS
8	球/Ball	316 SS
9	阀座压盖/Seat Gland	316 SS
10	下轴承/Ball Bearing	PEEK
11	堵头/Plug	316 SS
12	阀杆 O 形圈/ Stem O-Ring	氟橡胶/Fluorocarbon FKM
13	止推挡圈/Thrust Washer	PEEK
14	上轴承/Ball Bearing	PEEK
15	阀座护圈/Seat Retainer	316 SS
16	阀座/Seat	PEEK
17	阀座压盖 O 形圈/Seat Gland O-Ring	氟橡胶/Fluorocarbon FKM
18	堵头 O 形圈/Plug O-Ring	氟橡胶/Fluorocarbon FKM
19	锁紧螺母/Lock Nut	316 SS
润滑剂/Lubricant		二硫化钼/氟化基 Molybdenum Disulfide/Fluorinated-Based

与介质接触元件以斜体字列出。

三通结构/3-Way Valves

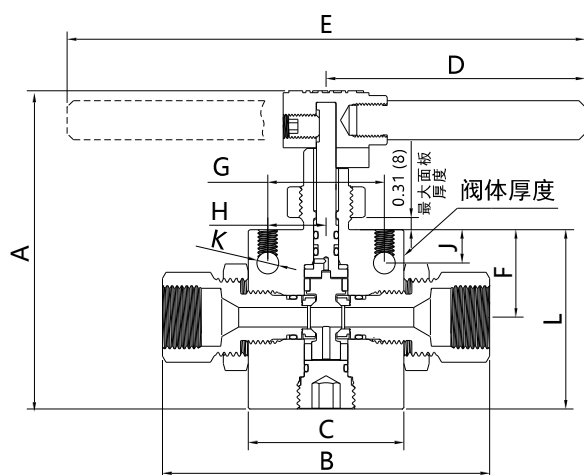


序号 Item	元件 Component	材料等级 Material Grade
1	手柄/Handle	不锈钢/Stainless Steel
2	固定螺钉/Set Screw	不锈钢/Stainless Steel
3	阀杆/Stem	316 SS
4	支撑环/Stem Backup	PEEK
5	面板螺母/Panel Nut	316 SS
6	阀杆 O 形圈/ Stem O-Ring	氟橡胶/Fluorocarbon FKM
7	阀体/Body	316 SS
8	球/Ball	316 SS
9	阀座压盖/Seat Gland	316 SS
10	下轴承/Ball Bearing	铜合金/Copper Alloy
11	底部压盖/Bottom Gland	316 SS
12	阀杆 O 形圈/ Stem O-Ring	氟橡胶/Fluorocarbon FKM
13	止推挡圈/Thrust Washer	PEEK
14	上轴承/Ball Bearing	PEEK
15	阀座护圈/Seat Retainer	S17400
16	阀座/Seat	PEEK+ 碳纤/Carbon Filled PEEK
17	阀座护圈 O 形圈/Seat Retainer O-Ring	氟橡胶/Fluorocarbon FKM
18	蝶形弹簧/Belleville Washer	S17700
19	阀座压盖 O 形圈/Seat Gland O-Ring	氟橡胶/Fluorocarbon FKM
20	底部阀盖 O 形圈/Bottom Gland O-Ring	氟橡胶/Fluorocarbon FKM
21	锁紧螺母/Lock Nut	316 SS
润滑剂/Lubricant		二硫化钼/氟化基 Molybdenum Disulfide/Fluorinated-Based

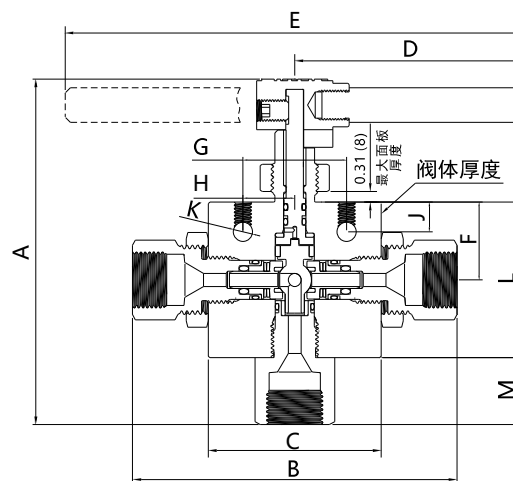
与介质接触元件以斜体字列出。

尺寸/Dimensions

两通结构/ 2-Way Straight Valves



三通结构/3-Way Valves



流通模式 Flow Pattern	内通径 代号 Orifice Designator	尺寸 in. (mm)												
		A	B	C	D	E	F	G	H	J	K	L	M	
两通	1	4.09 (103.9)	4.19 (106.5)	2.00 (50.8)	3.33 (84.5)		1.13 (28.6)	1.50 (38.1)	0.75 (19.1)	0.43 (10.9)	0.28 (7.1)	2.31 (58.6)		1.00 (25.4)
	2	4.84 (121.0)	5.53 (140.3)	3.00 (76.2)	4.96 (126.0)		1.38 (34.9)	2.00 (50.8)	1.00 (25.4)	0.41 (10.3)	0.28 (7.1)	2.95 (74.9)		1.38 (34.9)
	4	5.39 (136.8)	7.73 (196.5)	4.12 (104.6)		10.25 (260.0)	1.66 (42.2)	3.00 (76.2)	1.50 (38.1)	0.50 (12.7)	0.28 (7.1)	3.52 (89.4)		1.75 (44.5)
三通	1	5.00 (127.0)	4.70 (119.5)	2.50 (63.5)	3.33 (84.5)		1.13 (28.6)	1.50 (38.1)	0.75 (19.1)	0.43 (10.9)	0.28 (7.1)	2.25 (57.2)	0.48 (12.3)	1.00 (25.4)
	2	5.88 (149.3)	5.53 (140.3)	3.00 (76.2)	4.96 (126.0)		1.38 (34.9)	2.00 (50.8)	1.00 (25.4)	0.41 (10.3)	0.28 (7.1)	2.87 (73.0)	1.89 (30.2)	1.38 (34.9)
	4	6.91 (175.6)	7.77 (197.4)	4.12 (104.6)		10.25 (260.0)	1.66 (42.2)	3.00 (76.2)	1.50 (38.1)	0.50 (12.7)	0.28 (7.1)	3.34 (84.9)	1.70 (43.2)	1.75 (44.5)

注：所有尺寸仅供参考，可能有变动。

Note: All dimensions are for reference only and are subject to change

订购信息和尺寸

流通模式 Flow Pattern	内通径 代号 Orifice Designator	接口类型	内通径尺寸 in. (mm)	Cv	订购号	工作压力 psig (bar)
两通	1	FNS2	0.25 (6.35)	1.51	15BSS-FNS2-1-1	15,000 (1034)
		FNS4	0.25 (6.35)	1.51	15BSS-FNS4-1-1	
		FNS6	0.25 (6.35)	1.51	15BSS-FNS6-1-1	
		FNS8	0.25 (6.35)	1.51	15BSS-FNS8-1-1	
		DFF2	0.094 (2.4)	0.26	15BSS-DFF2-1-1	
		DFF4	0.19 (4.8)	1.27	20BSS-DFF4-1-1	20,000 (1379)
		DFF6	0.25 (6.35)	1.51	20BSS-DFF6-1-1	
		DFF8	0.25 (6.35)	1.51	20BSS-DFF8-1-1	
		MF4	0.11 (2.8)	0.36	20BSS-MF4-1-1	
		MF6	0.2 (5.2)	1.23	20BSS-MF6-1-1	
		MF9	0.25 (6.35)	1.51	20BSS-MF9-1-1	
		HF4	0.094 (2.4)	0.26	20BSS-HF4-1-1	
		HF6	0.125 (3.2)	0.47	20BSS-HF6-1-1	
		HF9	0.19 (4.8)	1.05	20BSS-HF9-1-1	
	2	FNS4	0.375 (9.5)	3.51	15BSS-FNS4-2-1	15,000 (1034)
		FNS6	0.375 (9.5)	3.51	15BSS-FNS6-2-1	
		FNS8	0.375 (9.5)	3.51	15BSS-FNS8-2-1	
		DFF8	0.375 (9.5)	3.51	20BSS-DFF8-2-1	20,000 (1379)
		DFF9	0.375 (9.5)	3.51	20BSS-DFF9-2-1	
		MF6	0.2 (5.2)	1.23	20BSS-MF6-2-1	
		MF9	0.31 (7.9)	2.93	20BSS-MF9-2-1	
		MF12	0.375 (9.5)	3.51	20BSS-MF12-2-1	
	4	FNS12	0.5 (12.7)	10.2	10BSS-FNS12-4-1	10,000 (690)
		FNS16	0.5 (12.7)	10.2	10BSS-FNS16-4-1	
		DFF12	0.5 (12.7)	10.2	15BSS-DFF12-4-1	15,000 (1034)
		MF12	0.5 (12.7)	10.2	15BSS-MF12-4-1	
		MF16	0.5 (12.7)	10.2	15BSS-MF16-4-1	
三通	1	FNS2	0.19 (4.8)	0.5	15BSS-FNS2-1-2	15,000 (1034)
					15BSS-FNS2-1-2D	
		FNS4	0.19 (4.8)	0.5	15BSS-FNS4-1-2	
					15BSS-FNS4-1-2D	
		FNS6	0.19 (4.8)	0.5	15BSS-FNS6-1-2	
					15BSS-FNS6-1-2D	
		FNS8	0.19 (4.8)	0.5	15BSS-FNS8-1-2	20,000 (1379)
					15BSS-FNS8-1-2D	
		DFF2	0.094 (2.4)	0.13	15BSS-DFF2-1-2	
					15BSS-DFF2-1-2D	
		DFF4	0.19 (4.8)	0.5	20BSS-DFF4-1-2	
					20BSS-DFF4-1-2D	
		DFF6	0.19 (4.8)	0.5	20BSS-DFF6-1-2	
					20BSS-DFF6-1-2D	
		DFF8	0.19 (4.8)	0.5	20BSS-DFF8-1-2	
					20BSS-DFF8-1-2D	
		MF4	0.11 (2.8)	0.17	20BSS-MF4-1-2	
					20BSS-MF4-1-2D	
		MF6	0.19 (4.8)	0.5	20BSS-MF6-1-2	
					20BSS-MF6-1-2D	
		MF9	0.19 (4.8)	0.5	20BSS-MF9-1-2	
					20BSS-MF9-1-2D	

订购信息和尺寸 (接上页)

流通模式 Flow Pattern	内通径代号 Orifice Designator	接口类型	内通径尺寸 in. (mm)	Cv	订购号	工作压力 psig (bar)
三通	1	HF4	0.094 (2.4)	0.13	20BSS-HF4-1-2	20,000 (1379)
					20BSS-HF4-1-2D	
		HF6	0.125 (3.2)	0.22	20BSS-HF6-1-2	
					20BSS-HF6-1-2D	
		HF9	0.19 (4.8)	0.5	20BSS-HF9-1-2	
					20BSS-HF9-1-2D	
	2	FNS4	0.33 (8.3)	2.1	15BSS-FNS4-2-2	15,000 (1034)
					15BSS-FNS4-2-2D	
		FNS6	0.33 (8.3)	2.1	15BSS-FNS6-2-2	
					15BSS-FNS6-2-2D	
		FNS8	0.33 (8.3)	2.1	15BSS-FNS8-2-2	
					15BSS-FNS8-2-2D	
		DFF8	0.33 (8.3)	2.1	15BSS-DFF8-2-2	
					15BSS-DFF8-2-2D	
		DFF9	0.33 (8.3)	2.1	15BSS-DFF9-2-2	
					15BSS-DFF9-2-2D	
		MF6	0.2 (5.2)	0.81	15BSS-MF6-2-2	
					15BSS-MF6-2-2D	
		MF9	0.31 (7.9)	1.9	15BSS-MF9-2-2	
					15BSS-MF9-2-2D	
		MF12	0.33 (8.3)	2.1	15BSS-MF12-2-2	
					15BSS-MF12-2-2D	
	4	FNS12	0.5 (12.7)	4.4	10BSS-FNS12-4-2	10,000 (690)
					10BSS-FNS12-4-2D	
		FNS16	0.5 (12.7)	4.4	10BSS-FNS16-4-2	
					10BSS-FNS16-4-2D	
		MF12	0.5 (12.7)	4.4	10BSS-MF12-4-2	
					10BSS-MF12-4-2D	
		MF16	0.5 (12.7)	4.4	10BSS-MF16-4-2	
					10BSS-MF16-4-2D	