



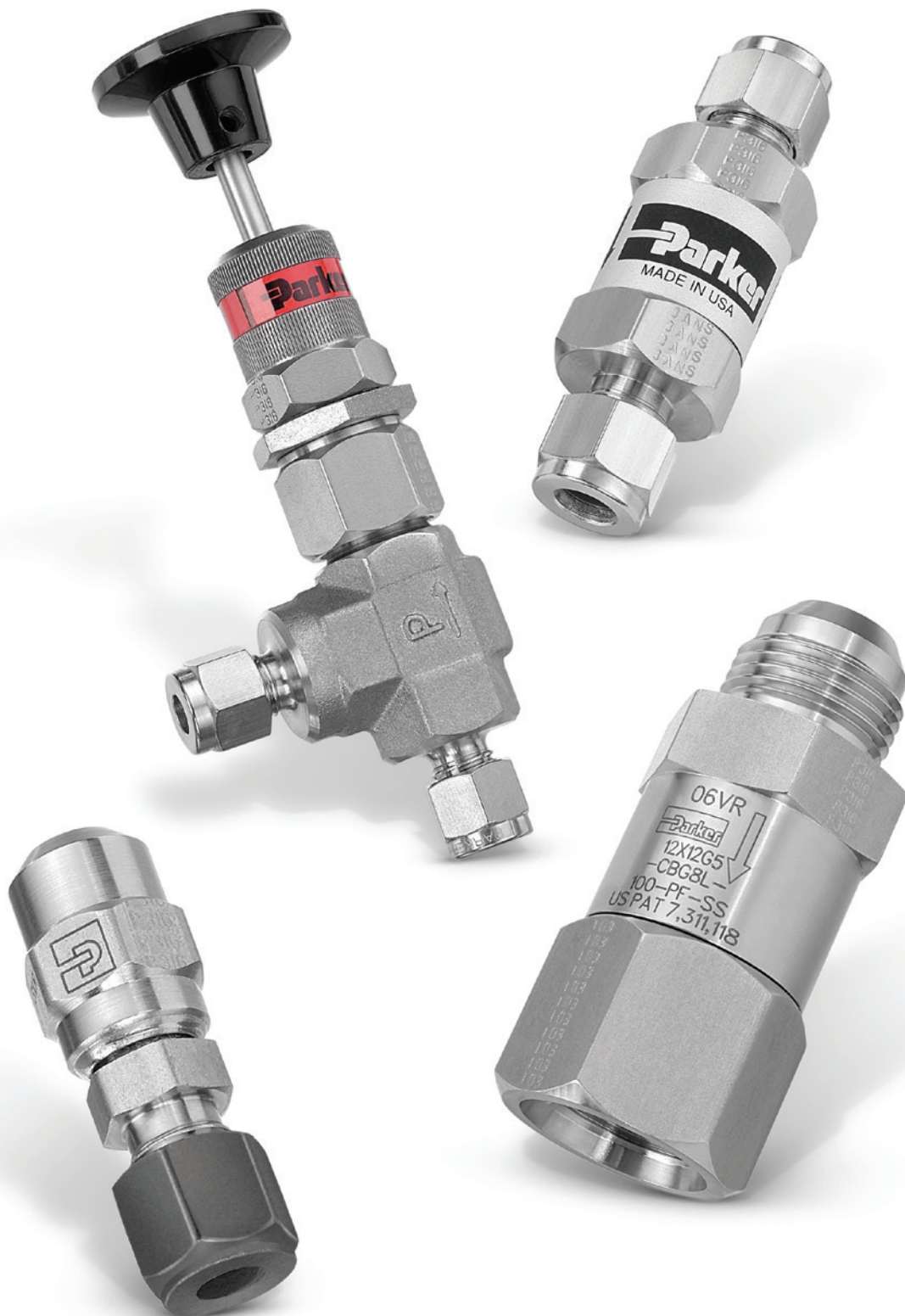
单向阀，过滤器和泄压阀

Catalog 4135-CV-CH

March 2010



ENGINEERING YOUR SUCCESS.



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To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

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简介

派克C系列单向阀，为化工、油气生产及输送、造纸、制药、电力和公用事业领域，提供流体和气体单向流通控制。

特点

- ▶ 专业的阀座设计，防止O型圈吹出
- ▶ 阀芯限位可避免弹簧过度受压
- ▶ 所有出厂C系列单向阀经过开启-复位测试
- ▶ 开启压力包括：1/3, 1, 5, 10, 25, 50, 75和100 psi
- ▶ 接口包括NPT内/外螺纹, CPI™, A-LOK®, UltraSeal, VacuSeal, BSP, SAE和Seal-Lok®
- ▶ 提供炉号追踪代码

参数

压力范围：**

316 SS - 1/8" ~ 3/4":6000 psig (414 bar) CWP
1":5000 psig (345 bar) CWP

PTFE阀座材质:4000 psig (276 bar) CWP

铜制阀体 - 1/8" ~ 1":3000 psig (207 bar) CWP

温度范围:

碳氟橡胶.....-15°F ~ +400°F (-26°C ~ +204°C)

丁腈橡胶.....-30°F ~ +275°F (-34°C ~ +135°C)

乙丙橡胶.....-70°F ~ +275°F (-57°C ~ +135°C)

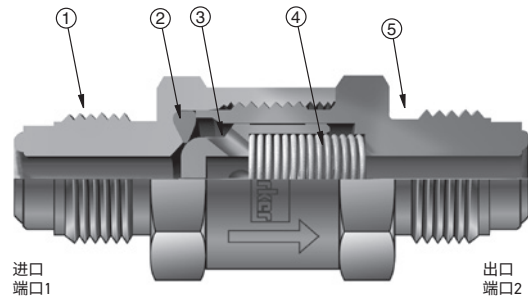
氯丁橡胶.....-45°F ~ +250°F (-43°C ~ +121°C)

PTFE-65°F ~ +400°F (-54°C ~ +204°C)

高氟橡胶.....-15°F ~ +200°F (-26°C ~ +93°C)

通径:078" ~ .656" (2.0 mm ~ 16.7 mm)

C_v: 18 ~ 6.56



型号范例:4V-C4L-5-SS

零部件配料表

序号 #	组件	不锈钢阀体	铜制阀体
1	阀帽	ASTM A 276, Type 316	ASTM B 16, Alloy C36000
2	阀座*	碳氟橡胶*	
3	阀芯	ASTM A 479, Type 316	ASTM B 16, Alloy C36000
4	弹簧	316不锈钢	
5	阀体	ASTM A 276, Type 316	ASTM B 16, Alloy C36000

* 阀座材料可选。

润滑剂: Perfluorinated Polyether全氟聚醚。

注释: PTFE阀座的阀门, 在阀座和阀体之间有一个带PTFE涂层的316SS垫圈, 其中弹性体阀座阀门的区别在于阀座和阀帽之间存在一定的间隙。

**详见第4页压力等级。

1000 psig (69 bar)进口压力下的流量值

阀门系列	C _v 最大值	压降 ΔP		水 @ 60°F (16°C)		空气 @ 60°F (16°C)	
		psig	bar	gpm	m³/hr	SCFM	m³/hr
C2	0.31	10	0.7	1.0	0.2	30.8	52.1
		50	3.4	2.2	0.5	67.2	112.8
		100	6.9	3.1	0.7	92.0	155.3
C4	0.75	10	0.7	2.4	0.5	74.6	126.1
		50	3.4	5.3	1.2	162.7	273.0
		100	6.9	7.5	1.7	222.8	376.2
C6	2.26	10	0.7	7.1	1.6	225.3	380.9
		50	3.4	16.0	3.6	495.2	831.0
		100	6.9	22.6	5.1	685.1	1157.2
C8	3.53	10	0.7	11.2	2.5	352.0	595.0
		50	3.4	25.0	5.6	774.3	1299.4
		100	6.9	35.3	8.0	1072.4	1811.6
C12	6.01	10	0.7	19.0	4.3	596.6	1008.3
		50	3.4	42.5	9.6	1287.5	2160.4
		100	6.9	60.1	13.7	1738.5	2934.5
C16	6.56	10	0.7	20.7	4.7	648.9	1096.6
		50	3.4	46.4	10.5	1379.4	2314.7
		100	6.9	65.6	14.9	1824.4	3077.6

开启和复位性能

单向阀开启压力		可承受最小开启压力		可承受最大开启压力		可承受最大复位背压	
psig	bar	psig	bar	psig	bar	psig	bar
1/3	0.02	0	0.00	1	0.07	4	0.28
1	0.07	0	0.00	3	0.21	4	0.28
5	0.34	3	0.21	8	0.55	3 BCP	0.21 BCP
10	0.69	7	0.48	13	0.90	3 BCP	0.21 BCP
25	1.72	20	1.38	30	2.07	4 BCP	0.28 BCP
50	3.45	40	2.76	60	4.14	5 BCP	0.34 BCP
75	5.17	60	4.14	90	6.21	7 BCP	0.48 BCP
100	6.89	80	5.52	120	8.27	10 BCP	0.69 BCP

BCP表示“低于开启压力”

开启压力表示当存在可测得的流量时的上游压力值。

复位压力表示单向阀位于气密封时的下游的压力值。

范例：对于弹簧开启压力等级为(1.72 bar)的单向阀，其实际的开启压力范围在20和30 psig (1.38 and 2.07 bar)之间。复位压力范围在16 ~ 20 psig (1.10 ~ 1.38 bar)之间。开启压力等级为3 psig (0.21 bar)或以下的单向阀可能会超过4 psig (0.28 bar)的背压来确保单向阀处于气密封。

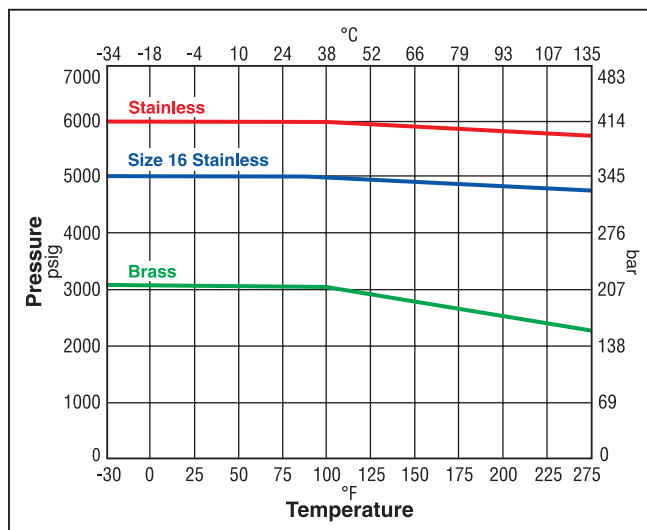
Note: 单向阀一段时间不开启后使用时最初开启压力会高于额定开启压力。

PTFE阀座单向阀要求不低于100 psig (6.9 bar)背压才能确保无泄漏关闭。

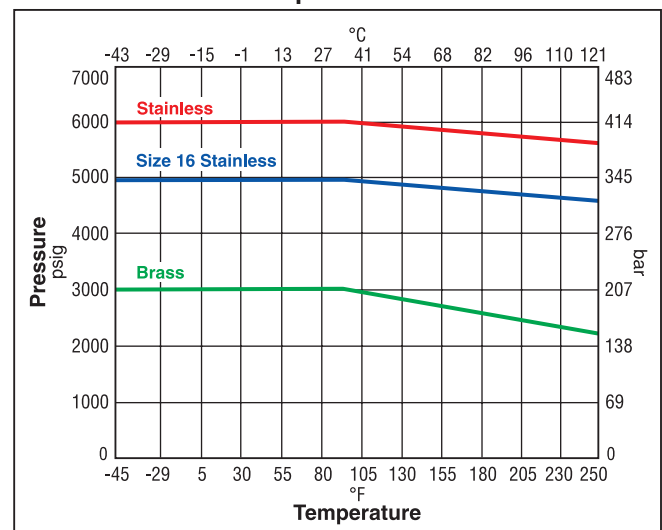
压力vs.温度

Note: 1 bar = 0.1 MPa

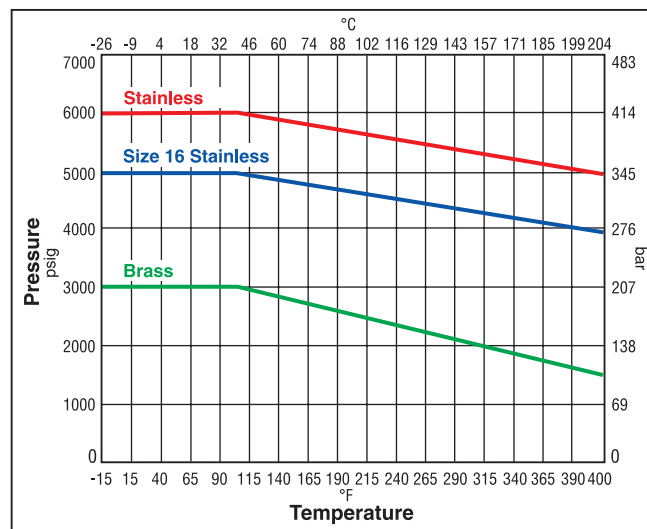
Nitrile Seat



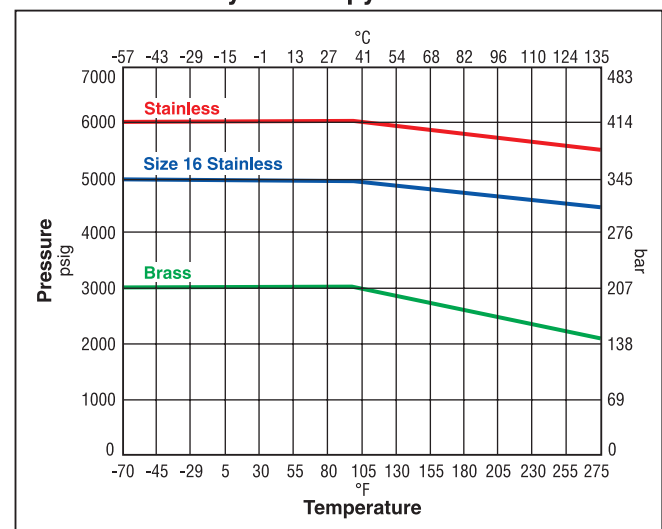
Neoprene Seat



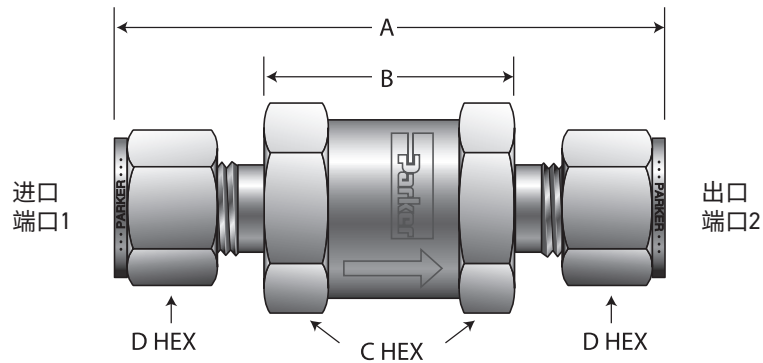
Fluorocarbon Seat



Ethylene Propylene Seat



流量数据/尺寸



型号范例:4Z-C4L-1-SS

基本代码	接口形式		流量数据				尺寸							
	进口 端口1	出口 端口2	通径		Cv	X _T *	A†		B		C		D	
			Inch	mm			Inch	mm	Inch	mm	Inch	mm	Inch	mm
2A-C2L	1/8" A-LOK® Compression	1/8" A-LOK® Compression	.093	2.4	.22	0.46	2.29	58.2	1.09	27.7	.625	15.9	.438	11.1
2F-C2L	1/8" Female NPT	1/8" Female NPT	.125	3.2	.31	0.52	1.86	47.2	-	-	.625	15.9	-	-
2F5-C2L	1/8" Male SAE	1/8" Male SAE	.063	1.6	.16	0.42	1.69	42.9	1.09	27.7	.625	15.9	-	-
2G5-C2L	1/8" Female SAE	1/8" Female SAE	.063	1.6	.16	0.42	1.86	47.2	-	-	.625	15.9	-	-
2KF-C2L	1/8" Female BSP/ISO Tapered	1/8" Female BSP/ISO Tapered	.125	3.2	.31	0.52	1.86	47.2	-	-	.625	15.9	-	-
2KM-C2L	1/8" Male BSP/ISO Tapered	1/8" Male BSP/ISO Tapered	.125	3.2	.31	0.52	1.77	45.0	1.00	25.4	.625	15.9	-	-
2M-C2L	1/8" Male NPT	1/8" Male NPT	.125	3.2	.31	0.52	1.77	45.0	1.01	25.7	.625	15.9	-	-
2TA-C2L	1/8" Tube Adapter	1/8" Tube Adapter	.078	2.0	.18	0.43	2.07	52.6	.88	22.4	.625	15.9	-	-
2Z-C2L	1/8" CPI™ Compression	1/8" CPI™ Compression	.093	2.4	.22	0.46	2.29	58.2	1.09	27.7	.625	15.9	.438	11.1
M3A-C2L	3mm A-LOK® Compression	3mm A-LOK® Compression	.086	2.2	.20	0.45	2.30	58.4	1.05	26.7	.625	15.9	.472	12.0
M3Z-C2L	3mm CPI™ Compression	3mm CPI™ Compression	.086	2.2	.20	0.45	2.30	58.4	1.05	26.7	.625	15.9	.472	12.0
2M2A-C2L	1/8" Male NPT	1/8" A-LOK® Compression	.093	2.4	.22	0.46	2.03	51.6	1.05	26.7	.625	15.9	.438	11.1
2M2F-C2L	1/8" Male NPT	1/8" Female NPT	.125	3.2	.31	0.52	1.81	46.0	1.43	36.3	.625	15.9	-	-
2M2Z-C2L	1/8" Male NPT	1/8" CPI™ Compression	.093	2.4	.22	0.46	2.03	51.6	1.05	26.7	.625	15.9	.438	11.1
2F-C4L	1/8" Female NPT	1/8" Female NPT	.187	4.7	.75	0.53	2.01	51.1	-	-	.750	19.1	-	-
2M-C4L	1/8" Male NPT	1/8" Male NPT	.187	4.7	.75	0.53	1.82	46.2	1.06	26.9	.750	19.1	-	-
4A-C4L	1/4" A-LOK® Compression	1/4" A-LOK® Compression	.187	4.7	.75	0.53	2.42	61.5	1.03	26.2	.750	19.1	.563	14.3
4F-C4L	1/4" Female NPT	1/4" Female NPT	.187	4.7	.75	0.53	2.40	61.0	-	-	.750	19.1	-	-
4F5-C4L	1/4" Male SAE	1/4" Male SAE	.172	4.4	.66	0.52	2.02	51.3	1.15	29.2	.750	19.1	-	-
4G5-C4L	1/4" Female SAE	1/4" Female SAE	.172	4.4	.66	0.52	2.20	55.9	-	-	.750	19.1	-	-
4KF-C4L	1/4" Female BSP/ISO Tapered	1/4" Female BSP/ISO Tapered	.187	4.7	.75	0.53	2.40	61.0	-	-	.750	19.1	-	-
4KM-C4L	1/4" Male BSP/ISO Tapered	1/4" Male BSP/ISO Tapered	.281	4.7	.75	0.53	2.18	55.4	1.06	26.9	.750	19.1	-	-
4L-C4L	1/4" Seal-Lok®	1/4" Seal-Lok®	.172	4.4	.66	0.52	1.82	46.2	1.03	26.2	.750	19.1	-	-
4M-C4L	1/4" Male NPT	1/4" Male NPT	.187	4.7	.75	0.53	2.18	55.4	1.04	26.4	.750	19.1	-	-
4Q-C4L	1/4" UltraSeal	1/4" UltraSeal	.180	4.6	.72	0.53	1.97	50.0	1.04	26.4	.750	19.1	-	-
4V-C4L	1/4" VacuSeal	1/4" VacuSeal	.187	4.7	.75	0.53	2.22	56.4	.98	24.9	.750	19.1	-	-
4TA-C4L	1/4" Tube Adapter	1/4" Tube Adapter	.156	4.0	.58	0.52	2.35	59.7	1.07	27.2	.750	19.1	-	-
4Z-C4L	1/4" CPI™ Compression	1/4" CPI™ Compression	.187	4.7	.75	0.53	2.42	61.5	1.03	26.2	.750	19.1	.563	14.3
6A-C4L	3/8" A-LOK® Compression	3/8" A-LOK® Compression	.187	4.7	.75	0.53	2.55	64.8	1.03	26.2	.750	19.1	.688	17.5
6Z-C4L	3/8" CPI™ Compression	3/8" CPI™ Compression	.187	4.7	.75	0.53	2.55	64.8	1.03	26.2	.750	19.1	.688	17.5
M6A-C4L	6mm A-LOK® Compression	6mm A-LOK® Compression	.187	4.7	.75	0.53	2.43	61.7	1.03	26.2	.750	19.1	.551	14.0
M6Z-C4L	6mm CPI™ Compression	6mm CPI™ Compression	.187	4.7	.75	0.53	2.43	61.7	1.03	26.2	.750	19.1	.551	14.0
4M4A-C4L	1/4" Male NPT	1/4" A-LOK® Compression	.187	4.7	.75	0.53	2.29	58.2	1.02	25.9	.750	19.1	.563	14.3
4M4F-C4L	1/4" Male NPT	1/4" Female NPT	.187	4.7	.75	0.53	2.29	58.2	1.72	43.7	.750	19.1	-	-
4M4Z-C4L	1/4" Male NPT	1/4" CPI™ Compression	.187	4.7	.75	0.53	2.29	58.2	1.02	25.9	.750	19.1	.563	14.3
4M6A-C4L	1/4" Male NPT	3/8" A-LOK® Compression	.187	4.7	.75	0.53	2.35	59.7	1.02	25.9	.750	19.1	.688	17.5
4M6Z-C4L	1/4" Male NPT	3/8" CPI™ Compression	.187	4.7	.75	0.53	2.35	59.7	1.02	25.9	.750	19.1	.688	17.5
6A-C6L	3/8" A-LOK® Compression	3/8" A-LOK® Compression	.281	7.1	2.09	0.74	3.27	83.1	1.75	44.5	1.000	25.4	.688	17.5
6F-C6L	3/8" Female NPT	3/8" Female NPT	.359	9.1	2.26	0.77	3.03	77.0	-	-	1.000	25.4	-	-
6F5-C6L	3/8" Male SAE	3/8" Male SAE	.264	6.7	2.05	0.74	2.71	68.8	1.76	44.7	1.000	25.4	-	-
6G5-C6L	3/8" Female SAE	3/8" Female SAE	.264	6.7	2.05	0.74	2.96	75.2	-	-	1.000	25.4	-	-
6KF-C6L	3/8" Female BSP/ISO Tapered	3/8" Female BSP/ISO Tapered	.359	9.1	2.26	0.77	3.03	77.0	-	-	1.000	25.4	-	-
6KM-C6L	3/8" Male BSP/ISO Tapered	3/8" Male BSP/ISO Tapered	.359	9.1	2.26	0.77	2.96	75.2	1.84	46.7	1.000	25.4	-	-
6L-C6L	3/8" Seal-Lok®	3/8" Seal-Lok®	.264	6.7	2.05	0.74	2.65	67.3	1.77	45.0	1.000	25.4	-	-
6M-C6L	3/8" Male NPT	3/8" Male NPT	.359	9.1	2.26	0.77	2.96	75.2	1.82	46.2	1.000	25.4	-	-
6Q-C6L	3/8" UltraSeal	3/8" UltraSeal	.250	6.4	2.02	0.73	2.75	69.9	1.80	45.7	1.000	25.4	-	-

压力等级和tube管选型:关于A-LOK® and CPI™卡套接头的工作压力, 请参见仪表选型指导(Bulletin 4200-TS), 该内容可以在仪表综合样本Technical Section of the Parker Instrumentation Process Control Binder或派克仪表接头安装手册(Bulletin 4200-B4)中找到。

* 测试完全按照ISA S75.02标准进行。当等式 $P_1 - P_2 / P_1 = x_T$ 成立时, 气体将受到堵塞。

† For CPI™ and A-LOK®, 尺寸是在手动旋紧状态下测得的。

流量数据/尺寸(接上页)

基本代码	接口形式		流量数据				尺寸							
	进口 端口1	出口 端口2	口径		C _v	X _T *	A†		B		C		D	
			Inch	mm			Inch	mm	Inch	mm	Inch	mm	Inch	mm
6TA-C6L	3/8" Tube Adapter	3/8" Tube Adapter	.281	7.1	2.09	0.74	3.24	82.3	1.80	45.7	1.000	25.4	-	-
6Z-C6L	3/8" CPI™ Compression	3/8" CPI™ Compression	.281	7.1	2.09	0.74	3.27	83.1	1.75	44.5	1.000	25.4	.688	17.5
8A-C6L	1/2" A-LOK® Compression	1/2" A-LOK® Compression	.359	9.1	2.26	0.77	3.55	90.2	1.81	46.0	1.000	25.4	.875	22.2
8Z-C6L	1/2" CPI™ Compression	1/2" CPI™ Compression	.359	9.1	2.26	0.77	3.55	90.2	1.81	46.0	1.000	25.4	.875	22.2
M8A-C6L	8mm A-LOK® Compression	8mm A-LOK® Compression	.250	6.4	2.02	0.73	3.33	84.6	1.87	47.5	1.000	25.4	.630	16.0
M8Z-C6L	8mm CPI™ Compression	8mm CPI™ Compression	.250	6.4	2.02	0.73	3.33	84.6	1.87	47.5	1.000	25.4	.630	16.0
M10A-C6L	10mm A-LOK® Compression	10mm A-LOK® Compression	.312	7.9	2.16	0.75	3.35	85.1	1.81	46.0	1.000	25.4	.748	19.0
M10Z-C6L	10mm CPI™ Compression	10mm CPI™ Compression	.312	7.9	2.16	0.75	3.35	85.1	1.81	46.0	1.000	25.4	.748	19.0
6M6A-C6L	3/8" Male NPT	3/8" A-LOK® Compression	.281	7.1	2.09	0.74	3.09	78.5	1.76	44.7	1.000	25.4	.688	17.5
6M6F-C6L	3/8" Male NPT	3/8" Female NPT	.359	9.1	2.26	0.77	2.95	74.9	2.38	60.5	1.000	25.4	-	-
6M6Z-C6L	3/8" Male NPT	3/8" CPI™ Compression	.281	7.1	2.09	0.74	3.09	78.5	1.76	44.7	1.000	25.4	.688	17.5
6M8A-C6L	3/8" Male NPT	1/2" A-LOK® Compression	.359	9.1	2.26	0.77	3.26	82.8	1.82	46.2	1.000	25.4	.875	22.2
6M8Z-C6L	3/8" Male NPT	1/2" CPI™ Compression	.359	9.1	2.26	0.77	3.26	82.8	1.82	46.2	1.000	25.4	.875	22.2
8A-C8L	1/2" A-LOK® Compression	1/2" A-LOK® Compression	.423	10.7	3.30	0.77	4.08	103.6	2.34	59.4	1.250	31.8	.875	22.2
8F-C8L	1/2" Female NPT	1/2" Female NPT	.453	11.5	3.53	0.81	3.56	90.4	-	-	1.250	31.8	-	-
8F5-C8L	1/2" Male SAE	1/2" Male SAE	.378	9.6	2.96	0.71	3.45	87.6	2.34	59.4	1.250	31.8	-	-
8G5-C8L	1/2" Female SAE	1/2" Female SAE	.453	11.5	3.53	0.81	3.56	90.4	-	-	1.250	31.8	-	-
8KF-C8L	1/2" Female BSP/ISO Tapered	1/2" Female BSP/ISO Tapered	.453	11.5	3.53	0.81	3.56	90.4	-	-	1.250	31.8	-	-
8KM-C8L	1/2" Male BSP/ISO Tapered	1/2" Male BSP/ISO Tapered	.453	11.5	3.53	0.81	3.56	90.4	2.06	52.3	1.250	31.8	-	-
8L-C8L	1/2" Seal-Lok®	1/2" Seal-Lok®	.378	9.6	2.96	0.71	3.22	81.8	2.21	56.1	1.250	31.8	-	-
8M-C8L	1/2" Male NPT	1/2" Male NPT	.453	11.5	3.53	0.81	3.56	90.4	2.05	52.1	1.250	31.8	-	-
8Q-C8L	1/2" UltraSeal	1/2" UltraSeal	.375	9.5	2.93	0.71	3.28	83.3	2.33	59.2	1.250	31.8	-	-
8TA-C8L	1/2" Tube Adapter	1/2" Tube Adapter	.375	9.5	2.93	0.71	4.04	102.6	1.78	45.2	1.250	31.8	-	-
8V-C8L	1/2" VacuSeal	1/2" VacuSeal	.406	10.3	3.17	0.75	3.56	90.4	2.05	52.1	1.250	31.8	-	-
8Z-C8L	1/2" CPI™ Compression	1/2" CPI™ Compression	.423	10.7	3.30	0.77	4.08	103.6	2.34	59.4	1.250	31.8	.875	22.2
M12A-C8L	12mm A-LOK® Compression	12mm A-LOK® Compression	.375	9.5	2.93	0.71	4.06	103.1	2.34	59.4	1.250	31.8	.866	22.0
M12Z-C8L	12mm CPI™ Compression	12mm CPI™ Compression	.375	9.5	2.93	0.71	4.06	103.1	2.34	59.4	1.250	31.8	.866	22.0
8M8A-C8L	1/2" Male NPT	1/2" A-LOK® Compression	.423	10.7	3.30	0.77	3.82	97.0	2.19	55.6	1.250	31.8	.875	22.2
8M8F-C8L	1/2" Male NPT	1/2" Female NPT	.453	11.5	3.53	0.81	3.56	90.4	2.80	71.1	1.250	31.8	-	-
8M8Z-C8L	1/2" Male NPT	1/2" CPI™ Compression	.423	10.7	3.30	0.77	3.82	97.0	2.19	55.6	1.250	31.8	.875	22.2
12A-C12L	3/4" A-LOK® Compression	3/4" A-LOK® Compression	.594	15.1	6.01	0.38	4.34	110.2	2.60	66.0	1.375	34.9	1.125	28.6
12F-C12L	3/4" Female NPT	3/4" Female NPT	.594	15.1	6.01	0.38	4.09	103.9	-	-	1.375	34.9	-	-
12F5-C12L	3/4" Male SAE	3/4" Male SAE	.594	15.1	6.01	0.38	4.05	102.9	2.59	65.8	1.375	34.9	-	-
12G5-C12L	3/4" Female SAE	3/4" Female SAE	.594	15.1	6.01	0.38	4.09	103.9	-	-	1.375	34.9	-	-
12KF-C12L	3/4" Female BSP/ISO Tapered	3/4" Female BSP/ISO Tapered	.594	15.1	6.01	0.38	4.09	103.9	-	-	1.375	34.9	-	-
12KM-C12L	3/4" Male BSP/ISO Tapered	3/4" Male BSP/ISO Tapered	.594	15.1	6.01	0.38	4.09	103.9	2.59	65.8	1.375	34.9	-	-
12L-C12L	3/4" Seal-Lok®	3/4" Seal-Lok®	.594	15.1	6.01	0.38	3.78	96.0	2.44	62.0	1.375	34.9	-	-
12M-C12L	3/4" Male NPT	3/4" Male NPT	.594	15.1	6.01	0.38	4.09	103.9	2.58	65.5	1.375	34.9	-	-
12Q-C12L	3/4" UltraSeal	3/4" UltraSeal	.500	12.7	5.63	0.37	3.78	96.0	2.64	67.1	1.375	34.9	-	-
12TA-C12L	3/4" Tube Adapter	3/4" Tube Adapter	.594	15.1	6.01	0.38	4.24	107.7	2.18	55.4	1.375	34.9	-	-
12V-C12L	3/4" VacuSeal	3/4" VacuSeal	.594	15.1	6.01	0.38	4.64	117.9	2.64	67.1	1.375	34.9	-	-
12Z-C12L	3/4" CPI™ Compression	3/4" CPI™ Compression	.594	15.1	6.01	0.38	4.34	110.2	2.60	66.0	1.375	34.9	1.125	28.6
M20A-C12L	20mm A-LOK® Compression	20mm A-LOK® Compression	.594	15.1	6.01	0.38	4.32	109.7	2.56	65.0	1.375	34.9	1.260	32.0
M20Z-C12L	20mm CPI™ Compression	20mm CPI™ Compression	.594	15.1	6.01	0.38	4.32	109.7	2.56	65.0	1.375	34.9	1.260	32.0
M22A-C12L	22mm A-LOK® Compression	22mm A-LOK® Compression	.594	15.1	6.01	0.38	4.30	109.2	2.56	65.0	1.375	34.9	1.260	32.0
M22Z-C12L	22mm CPI™ Compression	22mm CPI™ Compression	.594	15.1	6.01	0.38	4.30	109.2	2.56	65.0	1.375	34.9	1.260	32.0
12M12A-C12L	3/4" Male NPT	3/4" A-LOK® Compression	.594	15.1	6.01	0.38	4.22	107.2	2.59	65.8	1.375	34.9	1.125	28.6
12M12F-C12L	3/4" Male NPT	3/4" Female NPT	.594	15.1	6.01	0.38	4.09	103.9	3.34	84.8	1.375	34.9	-	-
12M12Z-C12L	3/4" Male NPT	3/4" CPI™ Compression	.594	15.1	6.01	0.38	4.22	107.2	2.59	65.8	1.375	34.9	1.125	28.6
16A-C16L	1" A-LOK® Compression	1" A-LOK® Compression	.656	16.7	6.56	0.27	4.63	117.6	2.53	64.3	1.625	41.3	1.500	38.1
16F-C16L	1" Female NPT	1" Female NPT	.656	16.7	6.56	0.27	4.84	122.9	-	-	1.625	41.3	-	-
16F5-C16L	1" Male SAE	1" Male SAE	.656	16.7	6.56	0.27	4.10	104.1	2.64	67.1	1.625	41.3	-	-
16G5-C16L	1" Female SAE	1" Female SAE	.656	16.7	6.56	0.27	4.84	122.9	-	-	1.625	41.3	-	-
16KF-C16L	1" Female BSP/ISO Tapered	1" Female BSP/ISO Tapered	.656	16.7	6.56	0.27	4.84	122.9	-	-	1.625	41.3	-	-
16KM-C16L	1" Male BSP/ISO Tapered	1" Male BSP/ISO Tapered	.656	16.7	6.56	0.27	4.52	114.8	2.64	67.1	1.625	41.3	-	-
16M-C16L	1" Male NPT	1" Male NPT	.656	16.7	6.56	0.27	4.52	114.8	2.63	66.8	1.625	41.3	-	-
16L-C16L	1" Seal-Lok®	1" Seal-Lok®	.656	16.7	6.56	0.27	3.83	97.3	2.45	62.2	1.625	41.3	-	-
16TA-C16L	1" Tube Adapter	1" Tube Adapter	.656	16.7	6.56	0.27	5.11	129.8	2.52	64.0	1.625	41.3	-	-
16Z-C16L	1" CPI™ Compression	1" CPI™ Compression	.656	16.7	6.56	0.27	4.63	117.6	2.53	64.3	1.625	41.3	1.500	38.1
M25A-C16L	25mm A-LOK® Compression	25mm A-LOK® Compression	.656	16.7	6.56	0.27	4.74	120.4	2.64	67.1	1.625	41.3	1.496	38.0
M25Z-C16L	25mm CPI™ Compression	25mm CPI™ Compression	.656	16.7	6.56	0.27	4.74	120.4	2.64	67.1	1.625	41.3	1.496	38.0
16M16A-C16L	1" Male NPT	1" A-LOK® Compression	.656	16.7	6.56	0.27	4.58	116.3	2.59	65.8	1.625	41.3	1.500	38.1
16M16F-C16L	1" Male NPT	1" Female NPT	.656	16.7	6.56	0.27	4.68	118.9	3.73	94.7	1.625	41.3	-	-
16M16Z-C16L	1" Male NPT	1" CPI™ Compression	.656	16.7	6.56	0.27	4.58	116.3	2.59	65.8	1.625	41.3	1.500	38.1

压力等级和tube管选型: 关于A-LOK® and CPI™卡套接头的工作压力, 请参见仪表选型指导(Bulletin 4200-TS), 该内容可以在仪表综合样本Technical Section of the Parker Instrumentation Process Control Binder或派克仪表接头安装手册 (Bulletin 4200-B4)中找到。

对于阀门(内或外) 螺纹连接处的工作压力, 请参见样本4260, 仪表螺纹管接头。

* 测试完全按照ISA S75.02标准进行。当等式 $P_1 - P_2 / P_1 = x_T$ 成立时, 气体将受到堵塞。

† For CPI™ and A-LOK®, 尺寸是在手动旋紧状态下测得的。

订购指南

根据下表可以非常方便地选出具体的型号。六大产品特征如图所示。

范例1 下述型号表示一个C系列单向阀,其两端接口均为3/4" CPI™卡套连接,开启压力为 5 psi丁腈橡胶密封,铜结构。

范例2 下述型号表示一个C系列单向阀,其进口端口和出口端口分别为1" NPT外螺纹连接和1" A-LOK®卡套连接,开启压力为10 psi,氟丁橡胶密封,不锈钢结构。

范例1: 12Z-C12L-5-BN-B (shown in the part number blocks below)

范例2: 16M16A-C16L-10-NE-SS

12Z								-	C12L		-	5		-	BN		-	B	
进口端*				出口端*						阀体尺寸				开启压力		密封材料		阀体材料	
进口端*				出口端*				阀体尺寸		开启压力		密封材料		阀体材料					
2A	2G5	2M	M3A	2A	2G5	2M	M3A	C2L		1/3 psi		空白		氟橡胶		B		Brass	
2F	2KF	2TA	M3Z	2F	2KF	2TA	M3Z			1 psi		BN		丁腈橡胶		SS		316不锈钢	
2F5	2KM	2Z		2F5	2KM	2Z				5 psi		EPR		乙丙橡胶					
4A	4KF	4Q	M6A	4A	4KF	4Q	M6A	C4L		10 psi		NE		氯丁橡胶					
4F	4KM	4TA	M6Z	4F	4KM	4TA	M6Z			25 psi		**T		PTFE					
4F5	4L	4V		4F5	4L	4V				50 psi		***KZ		高氟橡胶					
4G5	4M	4Z		4G5	4M	4Z				75 psi									
6A	6KF	6Q	M8Z	6A	6KF	6Q	M8Z	C6L		100 psi									
6F	6KM	6TA	M10A	6F	6KM	6TA	M10A												
6F5	6L	6Z	M10Z	6F5	6L	6Z	M10Z												
6G5	6M	M8A		6G5	6M	M8A													
8A	8KF	8Q	M12A	8A	8KF	8Q	M12A	C8L											
8F	8KM	8TA	M12Z	8F	8KM	8TA	M12Z												
8F5	8L	8V		8F5	8L	8V													
8G5	8M	8Z		8G5	8M	8Z													
12A	12KF	12Q	M20A	12A	12KF	12Q	M20A	C12L											
12F	12KM	12TA	M20Z	12F	12KM	12TA	M20Z												
12F5	12L	12V	M22A	12F5	12L	12V	M22A												
12G5	12M	12Z	M22Z	12G5	12M	12Z	M22Z												
16A	16G5	16L	16Z	16A	16G5	16L	16Z	C16L											
16F	16KF	16M	M25A	16F	16KF	16M	M25A												
16F5	16KM	16TA	M25Z	16F5	16KM	16TA	M25Z												

*如果进口和出口的接口形式一致,则只需列出进口代码。

选项

氧清洗 - 凡是产品代码后加上后缀-C3的产品都将根据派克氧气服务规范ES8003进行清洗和组装。

Example: 4A-C4L-1-BN-SS-C3

激光焊接 - 在产品代码后面加上后缀-LW表示选择防篡改不锈钢过滤。

Example: 2F-C2L-1-SS-LW

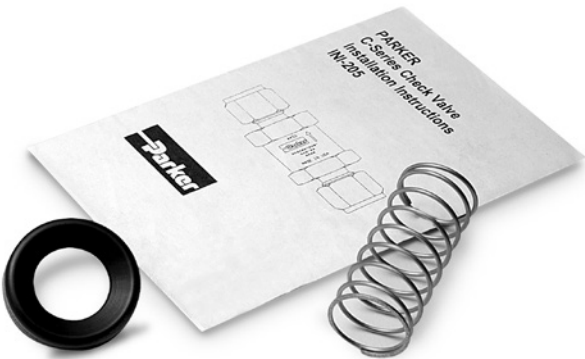
NGV证书 - 如果需要提供用于天然气机车领域的相关证书,如美国CSA认证, Inc, ECE R110和ISO 15500认证等,请联系派克仪器仪表事业部或您当地的派克分销商。

维修包信息

如需订购C系列单向阀的维修包, 只需根据如下所示代码表进行选购

Size	开启压力	阀座材料	
C2	1/3 psi	V	氟橡胶
C4	1 psi	BN	丁腈橡胶
C6	5 psi	EPR	乙丙橡胶
C8	10 psi	NE	氯丁橡胶
C12	25 psi	T	PTFE
C16	50 psi	KZ	高氟橡胶
	75 psi		
	100 psi		

Examples: KIT-C8-10-V, KIT-C16-100-BN



单向阀维修包：
阀座
弹簧
安装说明

简介

派克CB和CBF系列单向阀是为实现流体或气体的单向控制而设计的。这个新颖的浮动球阀设计解决了在发电、化学工艺、油/气产品这些行业的需求以及其他的应用。CB/CBF系列单向阀是为减少单向阀的维护和需要双重油路的汽轮机而专业设计的。具体的原因包括但不仅仅局限于底座的泄露,焦化,维修和维护。所有这些因素都直接决定着汽轮机的效率,反作用于运营成本。CB/CBF系列单向阀的先进的底座材料尤其适用于那些在高温应用下对泄漏率及复位压力有很高要求的领域。

特点

- ▶ 稳定可信赖的移动球阀底座设计,优化的密封参数特性更大程度上降低焦化的影响
- ▶ 可选的PTFE垫片使它更耐阀芯磨损
- ▶ 焦化变伴随着粘着
- ▶ 派克的维修包可提供全面的现场服务,底座在不用特殊工具的情况下可在数分钟内被换取
- ▶ 为诸如空气清洗或者燃油等应用而特殊设计的先进的增强型PTFE聚合物。
- ▶ 对于底座和喷嘴从整体上起最后保护作用的过滤器:可选。甚至更进一步降低汽轮机的停机过程中的维修时间,利用派克的金属软管。

参数

压力范围: 3000 psi CWP

标准开启压力: 1, 5, 10, 15, 50, 100, 120

底座材料,背压及温度范围:

Parkerfill 1000 psi @ 100°F

..... 300 psi @ 450°F

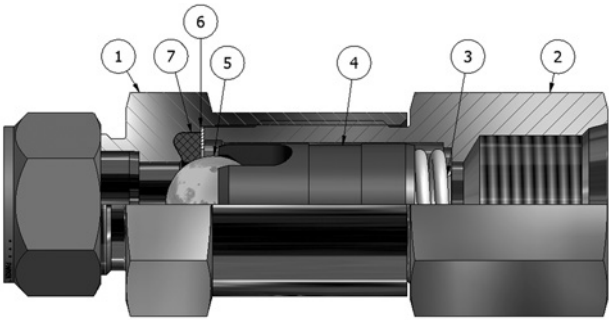
Parker Carbon..... 2500 psi @ 100°F

..... 1250 psi @ 450°F

Parkerfill is a PTFE copolymer reinforced with carbon and graphite.
Parker Carbon is a PTFE copolymer reinforced with carbon.

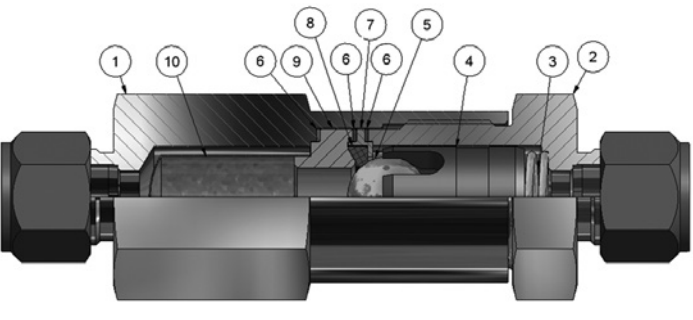
结构材质

CB系列单向阀



序号#	组件	不锈钢阀体
1	阀体	ASTM A276, Type 316
2	阀帽	ASTM A276, Type 316
3	开启弹簧	316 Stainless Steel
4	球珠隔圈	ASTM A276, Type 316
5	球珠	440C Stainless Steel
6	垫片	316 SS PTFE Coated
7	底座	Parkerfill, Parker Carbon

CBF系列过滤型单向阀

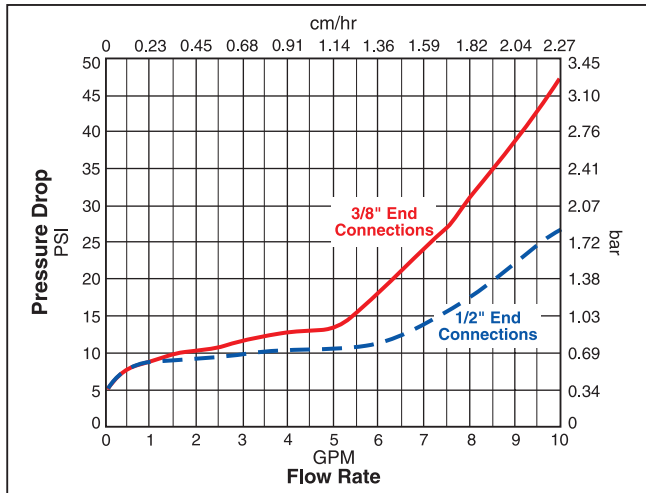


序号#	组件	不锈钢阀体
1	阀帽	ASTM A276, Type 316
2	阀体	ASTM A276, Type 316
3	开启弹簧	316 Stainless Steel
4	球珠隔圈	ASTM A276, Type 316 Hard PTFE Coated
5	球珠	440C SS
6	阀体密封	Grafoil®
7	底座护圈	316 Stainless Steel
8	底座	Parkerfill, Parker Carbon
9	过滤器底座	316 Stainless Steel
10	过滤器部件	Perforated 316 SS Sheet

流量曲线

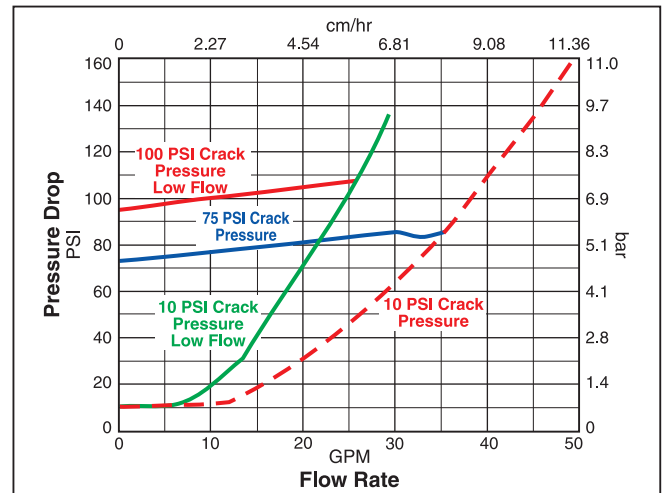
CB6 Check Valve

Flow Rate vs. Pressure Drop
CB-Series Check Valve – Size CB6
5 PSI Crack Pressure



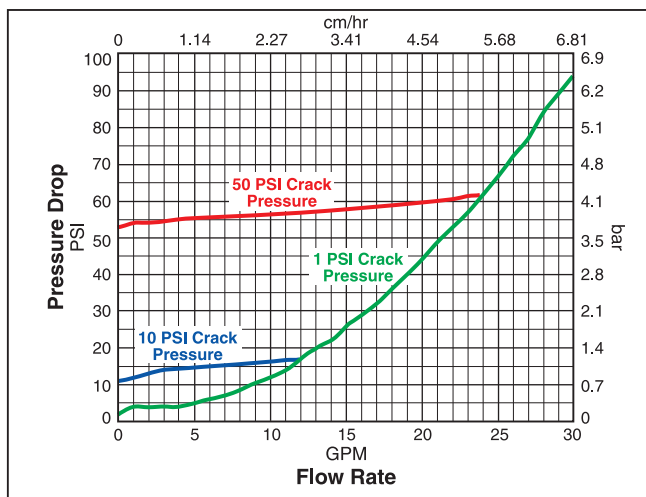
CB12 Check Valve

Flow Rate vs. Pressure Drop
CB-Series Check Valve – Size CB12
3/4\" End Connections



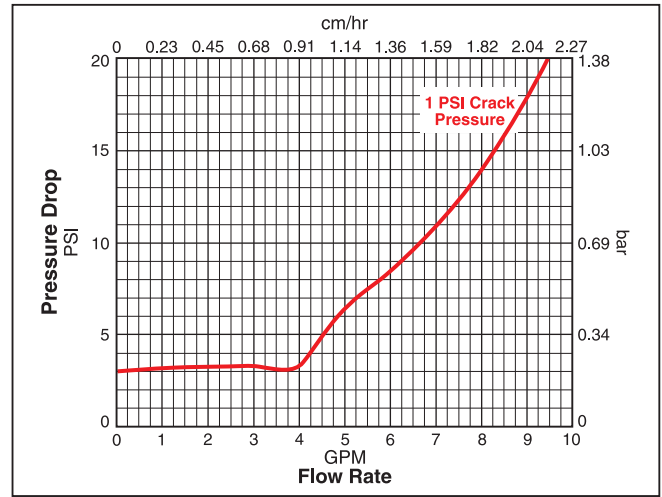
CB8 Check Valve

Flow Rate vs. Pressure Drop
CB-Series Check Valve – Size CB8
1/2\" End Connections



CBF8 Filter Check Valve

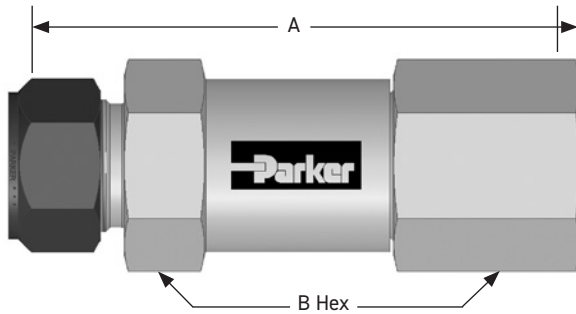
Flow Rate vs. Pressure Drop
CB-Series Check Valve – Size CBF8
1/2\" End Connections – 380 Micron Filter

CB
CBF

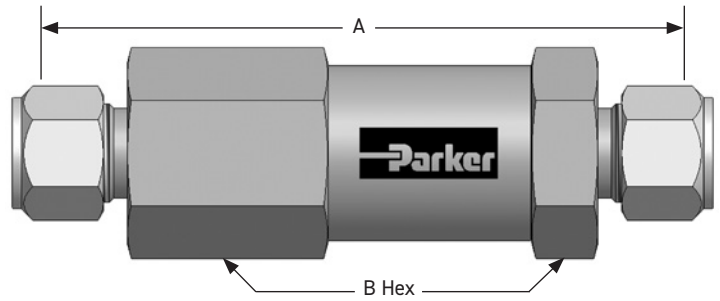
尺寸

CB系列单向阀

CB
CBF



CBF系列带过滤单向阀



阀体尺寸	连接形式		尺寸	
	进口端	出口端	A	B Hex
CB6	3/8" A-LOK® (6A) or CPI™ (6Z)	3/8" A-LOK® (6A) or CPI™ (6Z)	2.72	1.00
	3/8" A-LOK® (6A) or CPI™ (6Z)	3/8" Male NPT (6M)	2.88	
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" A-LOK® (8A) or CPI™ (8Z)	2.78	
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" Female SAE (8G5)	2.98	
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" Male NPT (8M)	2.98	
	1/2" Male JIC 37° Flare (8X)	1/2" Female SAE (8G5)	3.16	
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" A-LOK® (8A) or CPI™ (8Z)	3.30	
CB8	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" Female SAE (8G5)	3.44	1.25
	1/2" Male JIC 37° Flare (8X)	1/2" Female SAE (8G5)	3.48	
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" Male NPT (8M)	3.44	
	5/8" A-LOK® (10A) or CPI™ (10Z)	5/8" A-LOK® (10A) or CPI™ (10Z)	3.30	
	3/4" A-LOK® (12A) or CPI™ (12Z)	3/4" A-LOK® (12A) or CPI™ (12Z)	3.56	
CB12	3/4" A-LOK® (12A) or CPI™ (12Z)	3/4" Female SAE (12G5)	3.84	1.375
	3/4" A-LOK® (12A) or CPI™ (12Z)	3/4" Male NPT (12M)	3.84	
	3/4" Male JIC 37° Flare (12X)	3/4" Female SAE (12G5)	4.12	

阀体尺寸	连接形式		尺寸	
	进口端	出口端	A	B Hex
CBF8	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" A-LOK® (8A) or CPI™ (8Z)	4.50	1.375
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" Female SAE (8G5)	4.70	
	1/2" Male JIC 37° Flare (8X)	1/2" Female SAE (8G5)	4.93	
	1/2" A-LOK® (8A) or CPI™ (8Z)	1/2" Male NPT (8M)	4.70	
	5/8" A-LOK® (10A) or CPI™ (10Z)	5/8" A-LOK® (10A) or CPI™ (10Z)	4.75	
	3/4" A-LOK® (12A) or CPI™ (12Z)	3/4" A-LOK® (12A) or CPI™ (12Z)	4.75	
	3/4" A-LOK® (12A) or CPI™ (12Z)	3/4" Female SAE (12G5)	5.14	
	3/4" A-LOK® (12A) or CPI™ (12Z)	3/4" Male NPT (12M)	4.96	
	3/4" Male JIC 37° Flare (12X)	3/4" Female SAE (12G5)	5.37	

订购指南

根据下边可以非常方便地选出具体的型号。六大产品特征如下所示。

下述例子表示压力进出口端为3/4" CPI™, 开启压力为120 psi, 派克的底座及不锈钢本体结构。

范例: 12Z-CB12L-120-PF-SS

12Z		-	CB12L	-	120	-	PF	-	SS
进口端*			阀体尺寸		开启压力		底座材料		阀体材料
进口端*	出口端*		阀体尺寸		开启压力		底座材料		阀体材料
6A 8A	6A 8M		CB6L		1 psi		PF Parkerfill		SS 316 Stainless Steel
6Z 8Z	6Z 8Z				5 psi		PC Parker		
8X	8A 8G5				10 psi		Carbon		
8A 10A	8A 8Z		CB8L		25 psi				
8Z 10Z	8G5 10A				50 psi				
8X	8M 10Z				75 psi				
12A 12Z	12A 12M		CB12L		100 psi				
12X	12G5 12Z				120 psi				

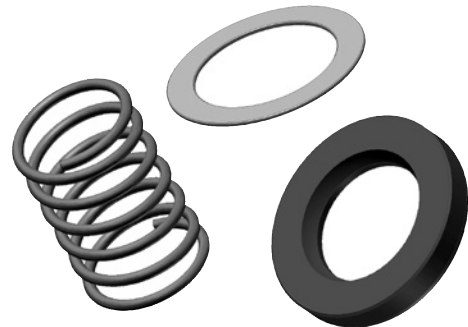
*如果进口和出口的接口形式一致, 则只需列出进口代码。

维修包订购 - CB系列单向阀

维修包包括底座, 阀体垫圈和开启弹簧。如需订购, 按下面表格的代码填写。

Kit	尺寸	开启压力	底座材料
KIT	CB6	1 psi	PF Parkerfill
	CB8	5 psi	PC Parker Carbon
	CB12	10 psi	
		15 psi	
		50 psi	
		100 psi	
		120 psi	

范例维修包订单代码: KIT-CB12-120-PF



如何订购CBF系列单向阀和带过滤器阀

根据下表可以非常方便地选出具体的型号。七大产品特性如下所示。

下述结构表示一个CBF系列单向阀，过滤阀体的进口是1/2" CPI™，出口是1/2" NPT公螺纹，1 psi的开启压力，Parkerfill底座材料，不锈钢本体和380微米的过滤等级。

范例：8Z8M-CBF8L-1-PF-SS-380

8Z		8M		-	CBF8L	-	1	-	PF	-	SS	-	380
进口端*		出口端*			阀体尺寸		开启压力		底座材料		阀体材料		过滤精度
进口端*		出口端*			阀体尺寸		开启压力		底座材料		阀体材料		过滤精度
8A	10Z	8A	10Z		CBF8L		1 psi		PF		SS	316	75 Microns
8X	12A	8G5	12A				5 psi		Parkerfill		Stainless Steel		200 Microns
8Z	12Z	8M	12G5				10 psi		PC				380 Microns
10A	12X	8Z	12M				25 psi		Parker Carbon				500 Microns
		10A	12Z				50 psi						
							75 psi						
							100 psi						
							120 psi						

*如果进口和出口的接口形式一致，则只需列出进口代码。

维修包 - CBF系列单向带过滤阀

密封包(KITS)包括底座，阀体垫圈和开启弹簧。阀的维修包(KITV)包括底座，阀体垫圈，开启弹簧和球珠。对于阀的维修包的可选项还包括球体隔圈和过滤器。如果订购，只需按下面所示的代码表进行选型。

Kit	尺寸	开启压力	底座材料	阀维修包可选		过滤等级
KITS	CBF8	1 psi	PF	Blank	None	75 Microns
KITV		5 psi	Parkerfill	1	Ball Cage	200 Microns
		10 psi	PC	2	Filter	380 Microns
		25 psi	Carbon	3	Ball Cage & Filter	500 Microns
		50 psi				(Include with filter option)
		75 psi				
		100 psi				
		120 psi				

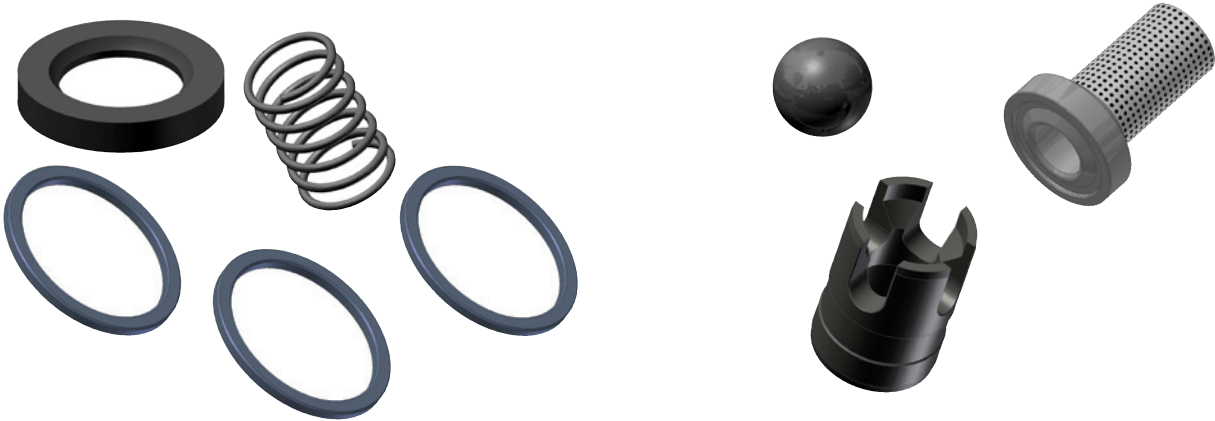
范例：

密封维修包代码：

KITS-CBF8-10-PF

阀维修包代码：

KITV-CBF8-10-3-200 (带球体挡圈和200微米过滤器)



CB
CBF

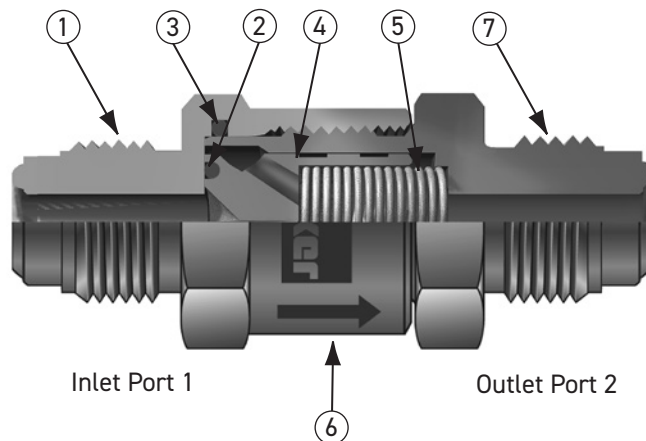
简介

Parker提供的C0系列单向阀, 为化工、油气生产及输送、制药、造纸、电力和公用事业领域的流体和气体提供单向流通控制。C0系列单向阀尤其适用于那些对泄露率和复位压力要求有非常高的领域。

特点

- ▶ 对C04L氟橡胶阀座进行密封测试, 氦检漏率可达到 4×10^{-9} std atm-cc/sec (4×10^{-10} kPa - L/sec)。C0系列其他尺寸和密封材料氦检为 1×10^{-5} std atm-cc/sec (1×10^{-6} kPa - L/sec)
- ▶ 专业的阀座密封设计保证了密封的高重复性和开启压力的准确性
- ▶ 工厂全检测试, 开启压力包括: 1/3, 1, 5, 10, 25, 50, 75 和 100 psi.
- ▶ 接口形式包括NPT内外螺纹, CPI™, A-LOK®, UltraSeal, VacuSeal和Tube Adapter
- ▶ 炉号可追踪
- ▶ 密封材料的材质可用其颜色来表示

机构材质



型号范例: 4V-C04L-5-V-SS

参数

压力等级: 6000 psig (414 bar) CWP

温度范围:

氟橡胶 -15°F ~ 400°F (-26°C ~ 204°C)

丁腈橡胶 -30°F ~ 250°F (-34°C ~ 121°C)

乙丙橡胶 -70°F ~ 275°F (-57°C ~ 135°C)

高氟橡胶 -15°F ~ 200°F (-26°C ~ 93°C)

通径: .156" ~ .406" (4.0mm ~ 10.3mm)

Cv: 43 ~ 2.65

序号 #	组件	Stainless Valve
1	阀帽*	ASTM A276, Type 316
2	阀座	Fluorocarbon Rubber**
3	密封	Fluorocarbon Rubber**
4	阀芯	ASTM A479, Type 316
5	弹簧	316 Stainless Steel
6	铭牌	Aluminum
7	本体*	ASTM A276, Type 316

* For Female VacuSeal ports, body and cap are manufactured from ASTM A479, TYPE 316L.

** Optional seal materials are available. See How to Order section.
Lubrication: Perfluorinated Polyether

1000 psig (69 bar)进口压力下流量计算值

阀体系列	Cv最大值	压降 ΔP		水 @ 60-1/2°F (16-1/2°C)		空气 @ 60-1/2°F (16-1/2°C)	
		psig	bar	gpm	m³/hr	SCFM	m³/hr
C04	0.62	10	0.7	2.0	0.4	61.8	104.5
		50	3.4	4.4	1.0	135.7	227.7
		100	6.9	6.2	1.4	187.5	316.7
C06	1.85	10	0.7	5.9	1.3	184.4	311.6
		50	3.4	13.1	3.0	404.4	678.5
		100	6.9	18.5	4.2	557.9	942.3
C08	2.65	10	0.7	8.4	1.9	264.2	446.5
		50	3.4	18.7	4.2	580.3	973.8
		100	6.9	26.5	6.0	802.3	1355.3

开启和复位性能

单向阀开启压力		可承受开启压力下限		可承受开启压力上限		可承受复位背压上限	
psig	bar	psig	bar	psig	bar	psig	bar
1/3	0.02	0	0.00	1	0.07	4	0.28
1	0.07	0	0.00	3	0.21	4	0.28
5	0.34	3	0.21	8	0.55	3 BCP	0.21 BCP
10	0.69	7	0.48	13	0.90	3 BCP	0.21 BCP
25	1.72	20	1.38	30	2.07	4 BCP	0.28 BCP
50	3.45	40	2.76	60	4.14	5 BCP	0.34 BCP
75	5.17	60	4.14	90	6.21	7 BCP	0.48 BCP
100	6.89	80	5.52	120	8.27	10 BCP	0.69 BCP

BCP表示“低于开启压力”

开启压力表示当存在测得流量时的上游压力值。

复位压力表示单向阀处于气密密封时的下游压力值。

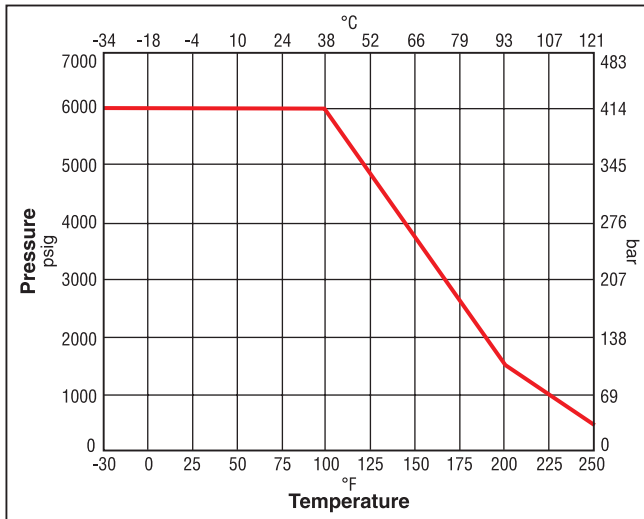
范例：对于弹簧开启压力等级为25 psig (1.72 bar)的单向阀，其实际的开启压力范围在20 and 30 psig (1.38 and 2.07 bar)之间，复位压力范围在16 ~ 20 psig (1.10 ~ 1.38 bar)。开启压力等级为3 psig (0.21 bar)或以下的单向阀可能会需要超过4 psig (0.28 bar)的背压来确保单向阀处于气密密封。

Note: 单向阀一段时间内不开启后再使用时最初开启压力会高于额定开启压力。

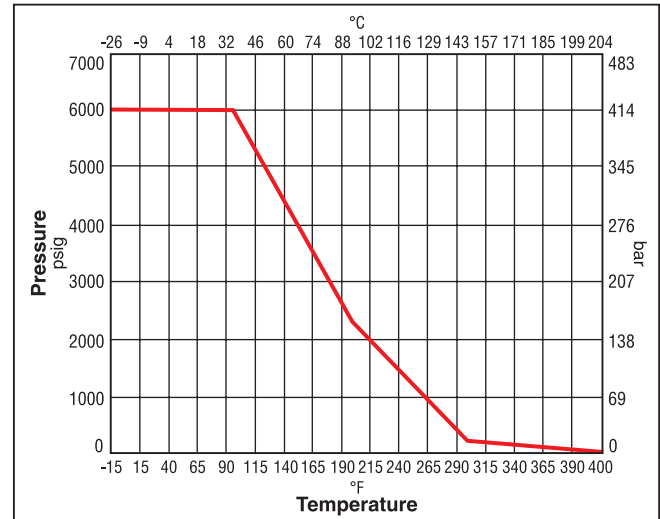
压力vs.温度

Note: 1 bar = 0.1 MPa

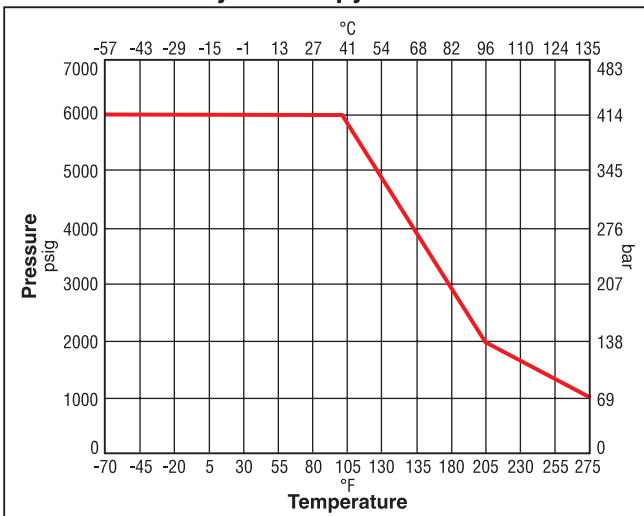
Nitrile Seal



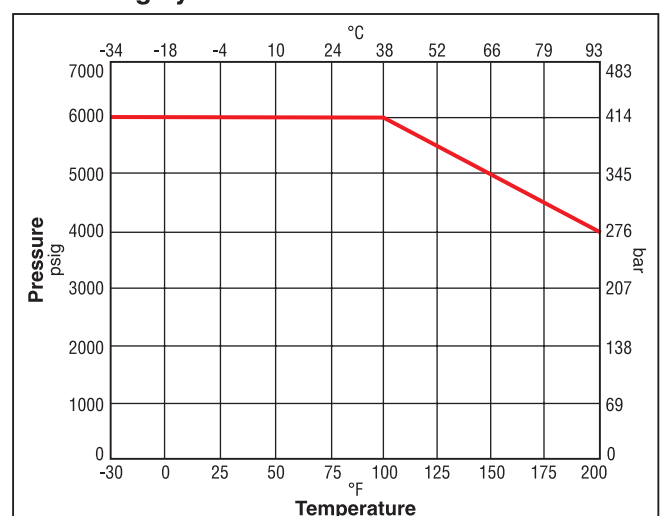
Fluorocarbon Seal



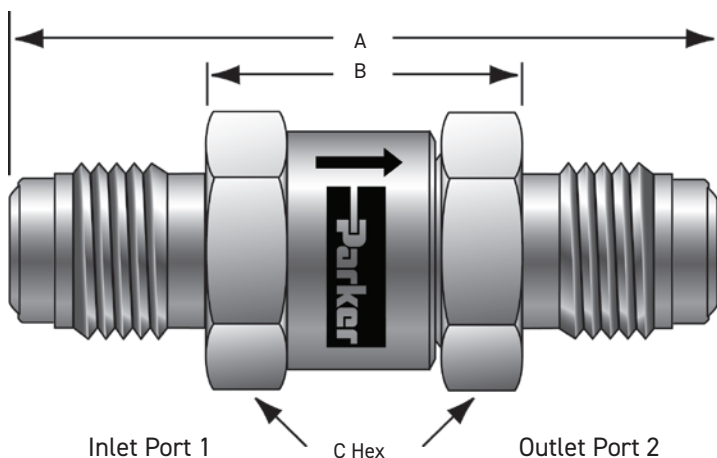
Ethylene Propylene Seal



Highly Fluorinated Fluorocarbon Seal



尺寸和流量数据



D = Hex of nuts where applicable

型号范例: 4V-C04L-5-KZ-SS

标签颜色代码

Label Color	Seal Material
Brown	Fluorocarbon Rubber
Black	Nitrile Rubber
Purple	Ethylene Propylene Rubber
Green	All others

测试: 所有的阀 100% 通过了开启压力, 复位和氦泄漏测试

基本代码	接口形式		流量数据				尺寸							
	进口 端口1	出口 端口2	通径		C _v	X _T *	A †		B		C		D	
			Inch	mm			Inch	mm	Inch	mm	Inch	mm	Inch	mm
4A-C04L-***-SS	1/4" A-LOK® Compression	1/4" A-LOK® Compression	.187	4.7	.62	.73	2.39	60.7	1.00	25.4	.750	19.1	.563	14.3
4F-C04L-***-SS	1/4" Female NPT	1/4" Female NPT	.187	4.7	.62	.73	2.38	60.5	-	-	.750	19.1	-	-
4M-C04L-***-SS	1/4" Male NPT	1/4" Male NPT	.187	4.7	.62	.73	2.09	53.1	.95	24.1	.750	19.1	-	-
4Q-C04L-***-SS	1/4" UltraSeal	1/4" UltraSeal	.180	4.6	.58	.72	1.91	48.5	.98	24.9	.750	19.1	-	-
4TA-C04L-***-SS	1/4" Tube Adapter	1/4" Tube Adapter	.156	4.0	.43	.62	2.35	59.7	1.07	27.2	.750	19.1	-	-
4V-C04L-***-SS	1/4" VacuSeal	1/4" VacuSeal	.187	4.7	.62	.73	2.22	56.4	.98	24.9	.750	19.1	-	-
4V1-C04L-***-SS	1/4" Female VacuSeal	1/4" Female VacuSeal	.182	4.6	.59	.75	2.67	67.8	.98	24.9	.750	19.1	.750	19.1
4Z-C04L-***-SS	1/4" CPI™ Compression	1/4" CPI™ Compression	.187	4.7	.62	.73	2.39	60.7	1.00	25.4	.750	19.1	.563	14.3
M6A-C04L-***-SS	6mm A-LOK® Compression	6mm A-LOK® Compression	.187	4.7	.62	.73	2.41	61.2	1.01	25.7	.750	19.1	.551	14.0
M6Z-C04L-***-SS	6mm CPI™ Compression	6mm CPI™ Compression	.187	4.7	.62	.73	2.41	61.2	1.01	25.7	.750	19.1	.551	14.0
4M4A-C04L-***-SS	1/4" Male NPT	1/4" A-LOK® Compression	.187	4.7	.62	.73	2.25	57.2	.98	24.9	.750	19.1	.563	14.3
4M4F-C04L-***-SS	1/4" Male NPT	1/4" Female NPT	.187	4.7	.62	.73	2.26	57.4	1.69	42.9	.750	19.1	-	-
4M4Z-C04L-***-SS	1/4" Male NPT	1/4" CPI™ Compression	.187	4.7	.62	.73	2.25	57.2	.98	24.9	.750	19.1	.563	14.3
6A-C06L-***-SS	3/8" A-LOK® Compression	3/8" A-LOK® Compression	.281	7.1	1.70	.73	3.17	80.5	1.65	41.9	1.00	25.4	.688	17.5
6F-C06L-***-SS	3/8" Female NPT	3/8" Female NPT	.328	8.3	1.85	.69	3.03	77.0	-	-	1.00	25.4	-	-
6M-C06L-***-SS	3/8" Male NPT	3/8" Male NPT	.328	8.3	1.85	.69	2.78	70.6	1.64	41.7	1.00	25.4	-	-
6TA-C06L-***-SS	3/8" Tube Adapter	3/8" Tube Adapter	.281	7.1	1.70	.73	3.09	78.5	1.65	41.9	1.00	25.4	-	-
6Z-C06L-***-SS	3/8" CPI™ Compression	3/8" CPI™ Compression	.281	7.1	1.70	.73	3.17	80.5	1.65	41.9	1.00	25.4	.688	17.5
8V-C06L-***-SS	1/2" VacuSeal	1/2" VacuSeal	.328	8.3	1.85	.69	3.57	90.7	2.06	52.3	1.00	25.4	-	-
8V1-C06L-***-SS	1/2" Female VacuSeal	1/2" Female VacuSeal	.328	8.3	1.85	.69	3.57	90.7	1.65	41.9	1.00	25.4	1.062	27.0
M8A-C06L-***-SS	8mm A-LOK® Compression	8mm A-LOK® Compression	.250	6.4	1.60	.68	3.15	80.0	1.69	42.9	1.00	25.4	.630	16.0
M8Z-C06L-***-SS	8mm CPI™ Compression	8mm CPI™ Compression	.250	6.4	1.60	.68	3.15	80.0	1.69	42.9	1.00	25.4	.630	16.0
8A-C08L-***-SS	1/2" A-LOK® Compression	1/2" A-LOK® Compression	.406	10.3	2.65	.75	3.37	85.6	1.63	41.4	1.25	31.8	.875	22.2
8F-C08L-***-SS	1/2" Female NPT	1/2" Female NPT	.406	10.3	2.65	.75	3.60	91.4	-	-	1.25	31.8	-	-
8M-C08L-***-SS	1/2" Male NPT	1/2" Male NPT	.406	10.3	2.65	.75	3.16	80.3	1.65	41.9	1.25	31.8	-	-
8Q-C08L-***-SS	1/2" UltraSeal	1/2" UltraSeal	.375	9.5	2.55	.78	3.01	76.5	2.05	52.1	1.25	31.8	-	-
8TA-C08L-***-SS	1/2" Tube Adapter	1/2" Tube Adapter	.375	9.5	2.55	.78	3.64	92.5	1.68	42.7	1.25	31.8	-	-
8V-C08L-***-SS	1/2" VacuSeal	1/2" VacuSeal	.406	10.3	2.65	.75	3.56	90.4	2.05	52.1	1.25	31.8	-	-
8V1-C08L-***-SS	1/2" Female VacuSeal	1/2" Female VacuSeal	.375	9.5	2.55	.78	3.65	92.7	1.73	43.9	1.25	31.8	1.062	27.0
8Z-C08L-***-SS	1/2" CPI™ Compression	1/2" CPI™ Compression	.406	10.3	2.65	.75	3.37	85.6	1.63	41.4	1.25	31.8	.875	22.2
M12A-C08L-***-SS	12mm A-LOK® Compression	12mm A-LOK® Compression	.375	9.5	2.55	.78	3.44	87.4	1.72	43.7	1.25	31.8	.866	22.0
M12Z-C08L-***-SS	12mm CPI™ Compression	12mm CPI™ Compression	.375	9.5	2.55	.78	3.44	87.4	1.72	43.7	1.25	31.8	.866	22.0

*Cracking Pressure **Seal Designator

* Tested in accordance with ISA S75.02. Gas flow will be choked when $P_1 - P_2 / P_1 = x_T$.

† For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.

订购指南

根据下表可以非常方便地选出具体的型号。六大产品特征如下所示。

下述型号表示一个C0系列单向阀，进口是1/4" NPT公螺纹，出口是1/4" NPT母螺纹，1 psig开启压力，氟橡胶密封，不锈钢本体

范例：4M4F-C04L-1-V-SS

4M				4F				-	C04L				-	1				-	V				-	SS			
进口端*				出口端*					阀体尺寸					开启压力					阀座和密封材料					阀体材料			
进口端*				出口端*					阀体尺寸					开启压力					阀座和密封材料					阀体材料			
4A	4Q	4V1	M6A	4A	4Q	4V1	M6A		C04L					1/3 psi		V		氟橡胶		SS		316					
4F	4TA	4Z	M6Z	4F	4TA	4Z	M6Z							1 psi		BN		丁腈橡胶		不锈钢							
4M	4V			4M	4V									5 psi		EPR		乙丙橡胶									
6A	6TA	8V	M8A	6A	6TA	8V	M8A		C06L					10 psi		KZ		高氟氟橡胶									
6F	6Z	8V1	M8Z	6F	6Z	8V1	M8Z							25 psi													
6M				6M										50 psi													
8A	8Q	8V1	M12A	8A	8Q	8V1	M12A		C08L					75 psi													
8F	8TA	8Z	M12Z	8F	8TA	8Z	M12Z							100 psi													
8M	8V			8M	8V																						

*如果进口和出口的接口形式一致，则只需列出进口代码。

选项

氧清洗 - 凡在产品代码后加上后缀-C3的产品都将根据派克氧气服务规范ES8003进行清洗和组装。

范例：4A-C04L-1-BN-SS-C3

特殊清洗 - 所有面密封端口的阀都按照派克Specification ES8001进行操作。在产品代码的后缀加-C1。

范例：M6A-C04L-10-SS-C1

材料 - 关于A0D/VAR不锈钢的货期和内抛光选项请联系厂家代表。

简介

Parker为满足在能源，化工，石化，油/天然气及实验室等应用中所涉及的宽泛的温度范围而设计了LC系列提升式单向阀，理想用于液体服务环境，避免流体99.9%的逆向流动。其自身重力同时辅助阀芯利用背压来保证其密封的性能。

特征

- ▶ 宽泛的温度范围
- ▶ 多样的接口连接方式
- ▶ 紧凑的设计
- ▶ 锻造坚固的本体
- ▶ 不锈钢结构

参数

压力范围.....6000 psig (414 bar) CWP

温度范围.....-100°F ~ 900°F (-73°C ~ 482°C)

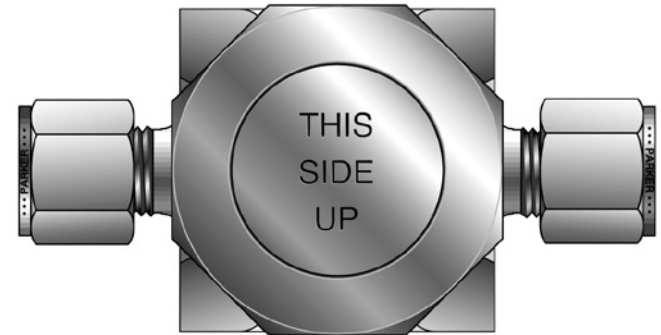
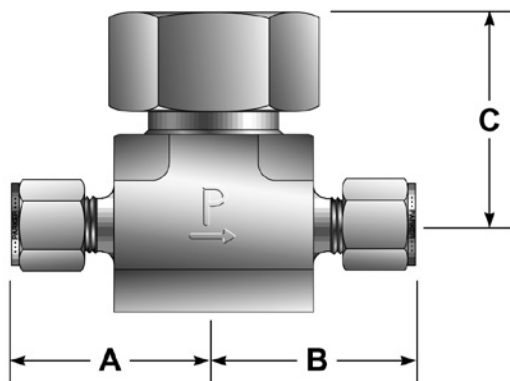
流量参数:

LC6 Series..... $C_v = .63$ $X_T = .47$

LC12 Series..... $C_v = 1.20$ $X_T = .63$

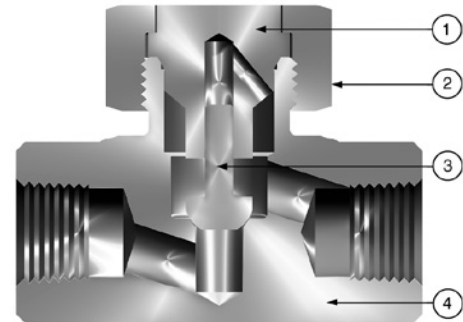
LC16 Series..... $C_v = 2.29$ $X_T = .65$

尺寸



注意: 阀的安装要注意其方向性。

材料



Part #	Size/Connection	A	B	C	Bonnet Hex
2F-LC6L-SS	1/8" Female NPT	1.00 (25.4)	1.00 (25.4)	1.34 (34.0)	15/16 (23.8)
4Z-LC6L-SS	1/4" CPI™	1.38 (35.1)	1.38 (35.1)	1.34 (34.0)	15/16 (23.8)
4A-LC6L-SS	1/4" A-LOK®	1.38 (35.1)	1.38 (35.1)	1.34 (34.0)	15/16 (23.8)
4F-LC6L-SS	1/4" Female NPT	1.03 (26.2)	1.03 (26.2)	1.34 (34.0)	15/16 (23.8)
4A4F-LC6L-SS	1/4" A-LOK® x 1/4" Female	1.38 (35.1)	1.03 (26.2)	1.34 (34.0)	15/16 (23.8)
M6A-LC6L-SS	6mm A-LOK®	1.38 (35.1)	1.38 (35.1)	1.34 (34.0)	15/16 (23.8)
4F-LC12L-SS	1/4" Female NPT	1.13 (28.7)	1.13 (28.7)	1.50 (38.1)	1-1/4 (31.8)
6Z-LC12L-SS	3/8" CPI™	1.60 (40.6)	1.60 (40.6)	1.50 (38.1)	1-1/4 (31.8)
6A-LC12L-SS	3/8" A-LOK®	1.60 (40.6)	1.60 (40.6)	1.50 (38.1)	1-1/4 (31.8)
8F-LC16L-SS	1/2" Female NPT	1.56 (39.6)	1.56 (39.6)	1.86 (47.2)	1-1/2 (38.1)
8Z-LC16L-SS	1/2" CPI™	1.97 (50.0)	1.97 (50.0)	1.86 (47.2)	1-1/2 (38.1)
8A-LC16L-SS	1/2" A-LOK®	1.97 (50.0)	1.97 (50.0)	1.86 (47.2)	1-1/2 (38.1)

For CPI™ A-LOK®, dimensions are measured with nuts in the finger-tight position.

Metric dimensions are noted by ().

序号 #	组件	不锈钢阀体
1	Poppet Guide	ASTM A479, Type 316
2	Bonnet Nut	ASTM A479, Type 316
3	Poppet	ASTM A564, Type 630
4	Valve Body	ASTM A182, Type F316

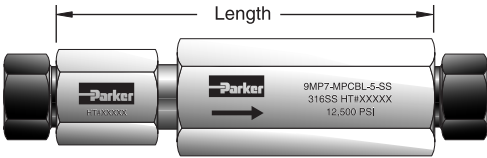
LC16 Series utilizes a nickel-chromium-iron alloy bonnet seal.

LC

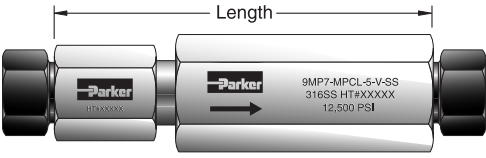
MPC和MPCB系列单向阀

派克MPC和MPCB系列单向阀可以用来作为压力超过15000psi流体或气体的单向流通控制。

单向球阀

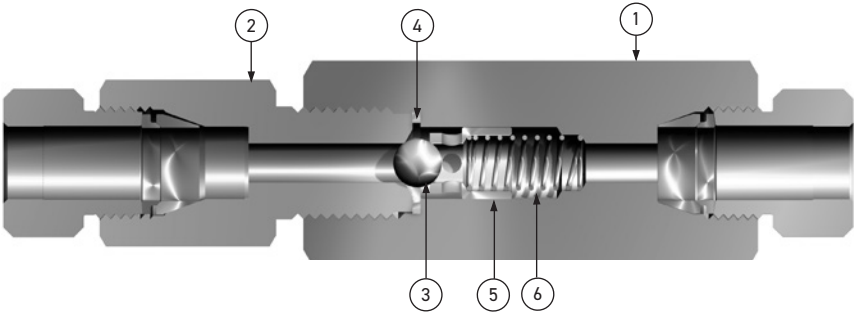


单向阀



Tubing	单向球阀代码	单向阀代码	压力 psi	Connection	通径 Inches	长度 Inches	厚度 Inches	C _v
1/4" O.D.	4MP7-MPCBL-5-SS	4MP7-MPCL-5-V-SS	15,000	1/4" MPI	0.125	4.16	1.00	0.41
3/8" O.D.	6MP7-MPCBL-5-SS	6MP7-MPCL-5-V-SS	15,000	3/8" MPI	0.219	4.16	1.00	0.62
1/2" O.D.	8MP7-MPCBL-5-SS	8MP7-MPCL-5-V-SS	15,000	1/2" MPI	0.359	5.13	1.38	1.47
9/16" O.D.	9MP7-MPCBL-5-SS	9MP7-MPCL-5-V-SS	15,000	9/16" MPI	0.359	4.50	1.38	1.47
3/4" O.D.	12MP7-MPCBL-5-SS	12MP7-MPCL-5-V-SS	15,000	3/4" MPI	0.438	5.13	1.75	4.01
1" O.D.	16MP7-MPCBL-5-SS	16MP7-MPCL-5-V-SS	12,500	1" MPI	0.563	6.50	2.50	4.78

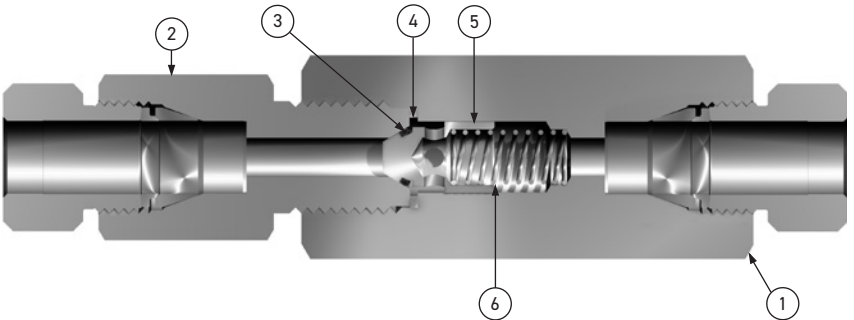
单向球阀



结构材料

序号 #	组件	材料
1	阀帽	316SS
2	阀体	316SS
3	3/8滚珠	316SS
4	垫圈	316SS
5	Ball support	316SS
6	弹簧	316SS

单向阀



结构材料

序号 #	组件	材料
1	阀帽	316SS
2	本体	316SS
3	O型圈	Fluorocarbon Rubber*
4	垫圈	316SS
5	阀芯	316SS
6	弹簧	316SS

范例: 16MP7-MPCL-5-BN-SS

注意: F管末端是母端的, 代码中用“F”代替“MP7”。

范例: 4F-MPCL-5-V-SS

*密封材料可选项

KZ	高氟橡胶
BN	丁腈橡胶
EPR	乙丙橡胶

MPC
MPCB

简介

仪器仪表设备在进行更换部件、维护和保养时都可能导致灰尘、碎屑、水锈或其他污染物进入管路系统而造成破坏。派克F系列直通过滤器可以使仪器仪表管路系统免受这些不良杂质的损害。

特点

- ▶ 紧凑型设计，过滤面积大
- ▶ 不锈钢和铜质结构可选
- ▶ 316不锈钢烧结滤芯可更换
- ▶ 烧结滤芯过滤等级：1, 5, 10, 50和100
- ▶ 可选250和450毫米金属丝网滤芯
- ▶ 可提供以下接口形式NPT, CPI™, A-LOK®, UltraSeal, VacuSeal, BSP, SAE和Seal-Lok®
- ▶ 炉号可追踪

参数

压力等级：

316 SS

1/8" ~ 3/4"6000 psig (414 bar) CWP

1"5000 psig (345 bar) CWP

All sizes with PTFE Seals4000 psig (276 bar) CWP

Brass - 1/8" ~ 1".....3000 psig (207 bar) CWP

温度范围：

氟橡胶 -15°F ~ +400°F (-26°C ~ +204°C)

丁腈橡胶 -30°F ~ +275°F (-34°C ~ +135°C)

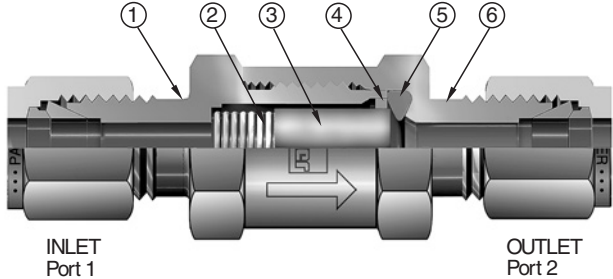
乙丙橡胶 -70°F ~ +275°F (-57°C ~ +135°C)

氯丁橡胶 -45°F ~ +250°F (-43°C ~ +121°C)

PTFE -65°F ~ +400°F (-54°C ~ +204°C)

高氟橡胶 -15°F ~ +200°F (-26°C ~ +93°C)

结构材质



型号范例：4A-F4L-50-SS

注释：Flow direction reversed with wire mesh elements.

零部件配料表

序号 #	组件	不锈钢阀体	铜质阀体
1	阀体	ASTM A276, Type 316	ASTM B16, Alloy C36000
2	弹簧	316 Stainless Steel	
3	过滤芯	316 Stainless Steel	
4	导向环	PTFE	
5	密封*	Fluorocarbon Rubber*	
6	阀帽	ASTM A276, Type 316	ASTM B16, Alloy C36000

* Optional seal materials are available. See How to Order section.
Lubrication: Perfluorinated Polyether.

100 psig (7 bar)进口压力下流量计算值

压降 Δ	F2L		F4L		F6L		F8L		F12L		F16L	
	Water gpm at 60°F (16°C)	Air SCFM (16°C)	Water gpm at 60°F (16°C)	Air SCFM (16°C)	Water gpm at 60°F (16°C)	Air SCFM (16°C)	Water gpm at 60°F (16°C)	Air SCFM (16°C)	Water gpm at 60°F (16°C)	Air SCFM (16°C)	Water gpm at 60°F (16°C)	Air SCFM (16°C)
	1 Micron		1 Micron		1 Micron		1 Micron		1 Micron		1 Micron	
5	0.04	0.38	0.13	1.34	0.13	1.38	0.56	5.91	0.66	6.90	0.91	9.52
10	0.05	0.52	0.18	1.86	0.19	1.93	0.80	8.24	0.93	9.61	1.28	13.27
50	0.11	1.03	0.40	3.67	0.42	3.80	1.78	16.21	2.08	18.92	2.87	26.12
	5 Micron		5 Micron		5 Micron		5 Micron		5 Micron		5 Micron	
5	0.06	0.61	0.26	2.74	0.31	3.26	0.92	9.69	1.81	18.96	1.88	19.75
10	0.08	0.85	0.37	3.82	0.44	4.54	1.31	13.50	2.56	26.41	2.66	27.52
50	0.18	1.67	0.83	7.53	0.98	8.94	2.92	26.57	5.71	51.99	5.95	54.18
	10 Micron		10 Micron		10 Micron		10 Micron		10 Micron		10 Micron	
5	0.25	2.63	0.38	4.01	0.45	4.74	1.68	17.67	2.33	24.45	3.04	31.88
10	0.35	3.66	0.54	5.59	0.64	6.60	2.38	24.61	3.30	34.06	4.30	44.42
50	0.79	7.21	1.21	11.00	1.43	13.00	5.32	48.45	7.37	67.05	9.61	87.44
	50 Micron		50 Micron		50 Micron		50 Micron		50 Micron		50 Micron	
5	0.37	3.92	0.76	7.95	1.80	18.89	3.67	38.52	5.23	54.87	7.64	80.16
10	0.53	5.46	1.07	11.08	2.55	26.31	5.19	53.67	7.40	76.46	10.81	111.70
50	1.18	10.75	2.40	21.81	5.69	51.80	11.61	105.65	16.54	150.50	24.16	219.86
	100 Micron		100 Micron		100 Micron		100 Micron		100 Micron		100 Micron	
5	0.51	5.37	1.33	13.94	2.74	28.72	5.13	53.77	7.95	83.42	8.38	87.88
10	0.72	7.49	1.88	19.42	3.87	40.01	7.25	74.92	11.25	116.24	11.85	122.45
50	1.62	14.73	4.20	38.22	8.65	78.76	16.21	147.48	25.14	228.81	26.49	241.03
	250 Micron		250 Micron		250 Micron		250 Micron		250 Micron		250 Micron	
5	0.58	6.03	1.77	18.46	5.41	56.57	8.95	93.50	14.28	149.18	19.14	200.01
10	0.82	8.37	2.50	25.62	7.66	78.51	12.65	129.75	20.19	207.02	27.07	277.56
50	1.82	15.85	5.59	48.53	17.12	148.74	28.29	245.81	45.14	392.21	60.52	525.83
	450 Micron		450 Micron		450 Micron		450 Micron		450 Micron		450 Micron	
5	0.78	8.08	1.82	18.92	7.02	73.18	9.05	94.28	15.36	160.03	19.81	206.39
10	1.10	11.18	2.57	26.17	9.93	101.23	12.80	130.43	21.72	221.38	28.01	285.51
50	2.45	20.54	5.74	48.07	22.21	185.94	28.62	239.57	48.57	406.62	62.64	524.43

流量/过滤参数

过滤器 系列	有效过滤面积		C _v *						
			1 Micron	5 Micron	10 Micron	50 Micron	100 Micron	250 Micron	450 Micron
	sq in	sq mm	Micron Range .5 to 3	Micron Range 5 to 10	Micron Range 10 to 20	Micron Range 40 to 50	Micron Range 100 to 150	Micron Range 225 to 275	Micron Range 400 to 500
F2L	0.39	252	0.016	0.026	0.112	0.167	0.229	0.258	0.347
F4L	0.70	452	0.057	0.117	0.171	0.339	0.594	0.790	0.812
F6L	1.57	1013	0.059	0.139	0.202	0.805	1.224	2.421	3.141
F8L	2.53	1632	0.252	0.413	0.753	1.642	2.292	4.001	4.047
F12L	3.77	2432	0.294	0.808	1.042	2.339	3.556	6.384	6.869
F16L	4.47	2884	0.406	0.842	1.359	3.417	3.746	8.559	8.859

* 测试完全按照ISA S75.02标准进行。P₁ - P₂ / P₁ = x_r成立时，气体将受到阻塞。
X_r=1.0对应于1到100; 0.79对应250毫米，0.68对应450毫米。

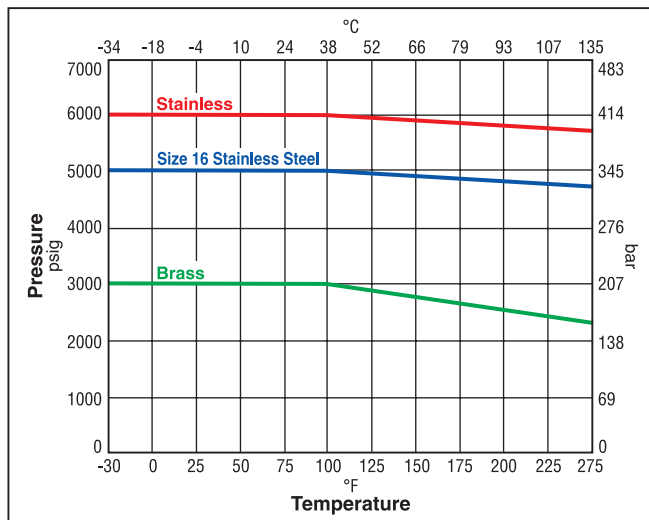
在70°F (21°C)通过过滤器的最大压差

	1 micron	5 micron	10 micron	50 micron	100 micron	250 micron	450 micron
psig	2250	1950	1750	1150	1000	1000	1000
bar	155	134	120	79	69	69	69

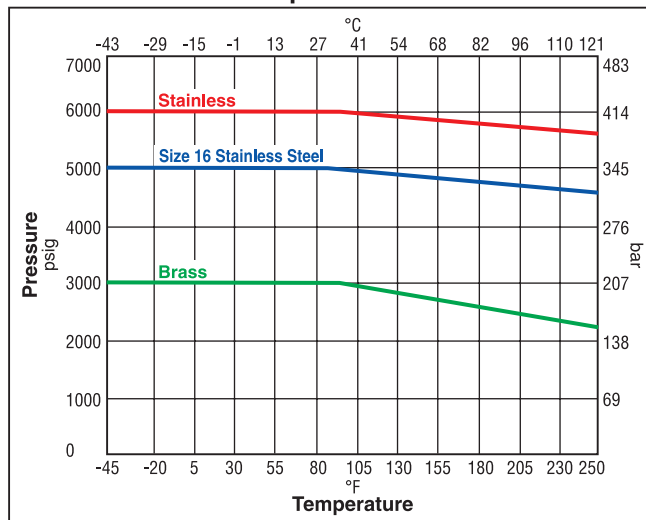
压力vs.温度

F

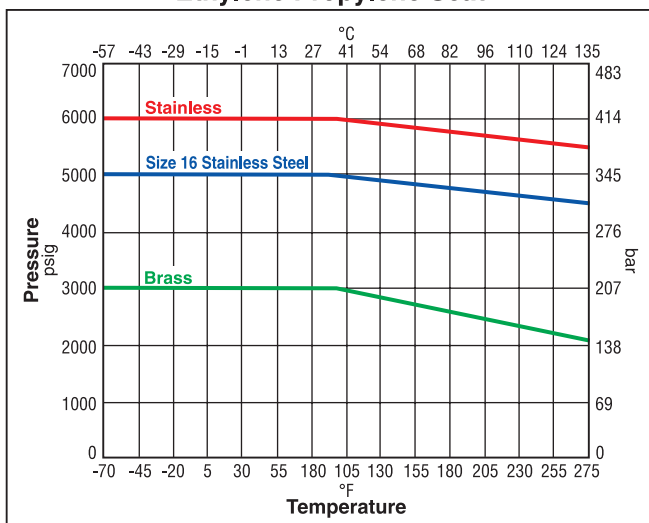
Nitrile Seat



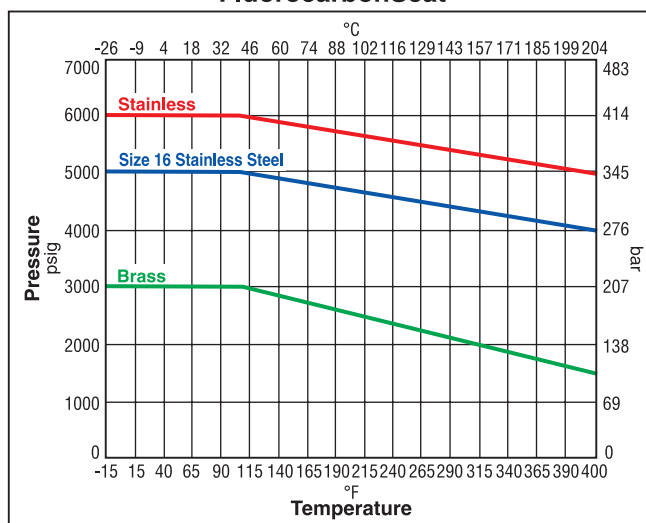
Neoprene Seat



Ethylene Propylene Seat

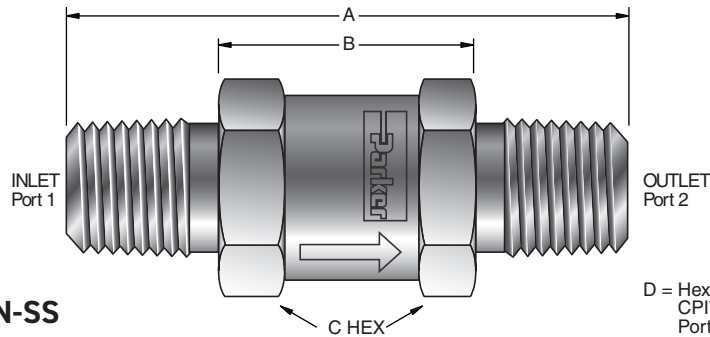


Fluorocarbon Seat



Note: 1 bar = 0.1 MPa

尺寸



型号范例:4M-F4L-100-BN-SS

D = Hex Diameter of Nuts on CPI™ and A-LOK® Compression Ported Valves

基本代码	接口形式		尺寸							
			A †		B		C		D	
	进口1	出口2	inch	mm	inch	mm	inch	mm	inch	mm
2A-F2L	1/8" A-LOK® Compression	1/8" A-LOK® Compression	2.29	58.2	1.09	27.7	.625	15.9	.438	11.1
2F-F2L	1/8" Female NPT	1/8" Female NPT	1.86	47.2	-	-	.625	15.9	-	-
2F5-F2L	1/8" Male SAE	1/8" Male SAE	1.69	42.9	1.09	27.7	.625	15.9	-	-
2G5-F2L	1/8" Female SAE	1/8" Female SAE	1.86	47.2	-	-	.625	15.9	-	-
2KF-F2L	1/8" Female BSP/ISO Tapered	1/8" Female BSP/ISO Tapered	1.86	47.2	-	-	.625	15.9	-	-
2KM-F2L	1/8" Male BSP/ISO Tapered	1/8" Male BSP/ISO Tapered	1.77	45.0	1.00	25.4	.625	15.9	-	-
2M-F2L	1/8" Male NPT	1/8" Male NPT	1.77	45.0	1.01	25.7	.625	15.9	-	-
2TA-F2L	1/8" Tube Adapter	1/8" Tube Adapter	1.96	49.8	.88	22.4	.625	15.9	-	-
2Z-F2L	1/8" CPI™ Compression	1/8" CPI™ Compression	2.29	58.2	1.09	27.7	.625	15.9	.438	11.1
M3A-F2L	3mm A-LOK® Compression	3mm A-LOK® Compression	2.30	58.4	1.05	26.7	.625	15.9	.472	12.0
M3Z-F2L	3mm CPI™ Compression	3mm CPI™ Compression	2.30	58.4	1.05	26.7	.625	15.9	.472	12.0
2M2A-F2L	1/8" Male NPT	1/8" A-LOK® Compression	2.03	51.6	1.06	26.9	.625	15.9	.438	11.1
2M2F-F2L	1/8" Male NPT	1/8" Female NPT	1.82	46.2	1.44	36.6	.625	15.9	-	-
2M2Z-F2L	1/8" Male NPT	1/8" CPI™ Compression	2.03	51.6	1.06	26.9	.625	15.7	.438	11.1
2F-F4L	1/8" Female NPT	1/8" Female NPT	2.01	51.1	-	-	.750	19.1	-	-
2M-F4L	1/8" Male NPT	1/8" Male NPT	1.82	46.2	1.06	26.9	.750	19.1	-	-
4A-F4L	1/4" A-LOK® Compression	1/4" A-LOK® Compression	2.42	61.5	1.03	26.2	.750	19.1	.563	14.3
4F-F4L	1/4" Female NPT	1/4" Female NPT	2.40	61.0	-	-	.750	19.1	-	-
4F5-F4L	1/4" Male SAE	1/4" Male SAE	2.02	51.3	1.15	29.2	.750	19.1	-	-
4G5-F4L	1/4" Female SAE	1/4" Female SAE	2.20	55.9	-	-	.750	19.1	-	-
4KF-F4L	1/4" Female BSP/ISO Tapered	1/4" Female BSP/ISO Tapered	2.40	61.0	-	-	.750	19.1	-	-
4KM-F4L	1/4" Male BSP/ISO Tapered	1/4" Male BSP/ISO Tapered	2.18	55.4	1.06	26.9	.750	19.1	-	-
4L-F4L	1/4" Seal-Lok®	1/4" Seal-Lok®	1.82	46.2	1.05	26.7	.750	19.1	-	-
4M-F4L	1/4" Male NPT	1/4" Male NPT	2.18	55.4	1.04	26.4	.750	19.1	-	-
4Q-F4L	1/4" UltraSeal	1/4" UltraSeal	1.97	50.0	1.04	26.4	.750	19.1	-	-
4V-F4L	1/4" VacuSeal	1/4" VacuSeal	2.22	56.4	.98	24.9	.750	19.1	-	-
4TA-F4L	1/4" Tube Adapter	1/4" Tube Adapter	2.35	59.7	1.07	27.2	.750	19.1	-	-
4Z-F4L	1/4" CPI™ Compression	1/4" CPI™ Compression	2.42	61.5	1.03	26.2	.750	19.1	.563	14.3
6A-F4L	3/8" A-LOK® Compression	3/8" A-LOK® Compression	2.55	64.8	1.03	26.2	.750	19.1	.688	17.5
6Z-F4L	3/8" CPI™ Compression	3/8" CPI™ Compression	2.55	64.8	1.03	26.2	.750	19.1	.688	17.5
M6A-F4L	6mm A-LOK® Compression	6mm A-LOK® Compression	2.43	61.7	1.03	26.2	.750	19.1	.551	14.0
M6Z-F4L	6mm CPI™ Compression	6mm CPI™ Compression	2.43	61.7	1.03	26.2	.750	19.1	.551	14.0
4M4A-F4L	1/4" Male NPT	1/4" A-LOK® Compression	2.31	58.7	1.04	26.4	.750	19.1	.563	14.3
4M4F-F4L	1/4" Male NPT	1/4" Female NPT	2.29	58.2	1.72	43.7	.750	19.1	-	-
4M4Z-F4L	1/4" Male NPT	1/4" CPI™ Compression	2.32	58.9	1.05	26.7	.750	19.1	.563	14.3
4M6A-F4L	1/4" Male NPT	3/8" A-LOK® Compression	2.38	60.5	1.05	26.7	.750	19.1	.688	17.5
4M6Z-F4L	1/4" Male NPT	3/8" CPI™ Compression	2.38	60.5	1.05	26.7	.750	19.1	.688	17.5
6A-F6L	3/8" A-LOK® Compression	3/8" A-LOK® Compression	3.27	83.1	1.75	44.5	1.000	25.4	.688	17.5
6F-F6L	3/8" Female NPT	3/8" Female NPT	3.03	77.0	-	-	1.000	25.4	-	-
6F5-F6L	3/8" Male SAE	3/8" Male SAE	2.71	68.8	1.76	44.7	1.000	25.4	-	-
6G5-F6L	3/8" Female SAE	3/8" Female SAE	2.96	75.2	-	-	1.000	25.4	-	-
6KF-F6L	3/8" Female BSP/ISO Tapered	3/8" Female BSP/ISO Tapered	3.03	77.0	-	-	1.000	25.4	-	-
6KM-F6L	3/8" Male BSP/ISO Tapered	3/8" Male BSP/ISO Tapered	2.96	75.2	1.84	46.7	1.000	25.4	-	-
6L-F6L	3/8" Seal-Lok®	3/8" Seal-Lok®	2.65	67.3	1.77	45.0	1.000	25.4	-	-
6M-F6L	3/8" Male NPT	3/8" Male NPT	2.96	75.2	1.82	46.2	1.000	25.4	-	-
6Q-F6L	3/8" UltraSeal	3/8" UltraSeal	2.75	69.8	1.80	45.7	1.000	25.4	-	-
6V-F6L	3/8" VacuSeal	3/8" VacuSeal	3.56	90.4	2.05	52.1	1.000	25.4	-	-
6TA-F6L	3/8" Tube Adapter	3/8" Tube Adapter	3.24	82.3	1.80	45.7	1.000	25.4	-	-
6Z-F6L	3/8" CPI™ Compression	3/8" CPI™ Compression	3.27	83.1	1.75	44.5	1.000	25.4	.688	17.5
8A-F6L	1/2" A-LOK® Compression	1/2" A-LOK® Compression	3.55	90.2	1.81	46.0	1.000	25.4	.875	22.2

注释: 为方便连接, 金属丝网滤芯允许尺寸A和B有微小变动

† 对于CPI™和A-Lok®: 尺寸是在手动旋紧状态下旋转测得的。

尺寸(接上图)

基本代码	接口形式		尺寸							
			A †		B		C		D	
	进口1	出口2	inch	mm	inch	mm	inch	mm	inch	mm
8Z-F6L	1/2" CPI™ Compression	1/2" CPI™ Compression	3.55	90.2	1.81	46.0	1.000	25.4	.875	22.2
M8A-F6L	8mm A-LOK® Compression	8mm A-LOK® Compression	3.33	84.6	1.87	47.5	1.000	25.4	.630	16.0
M8Z-F6L	8mm CPI™ Compression	8mm CPI™ Compression	3.33	84.6	1.87	47.5	1.000	25.4	.630	16.0
M10A-F6L	10mm A-LOK® Compression	10mm A-LOK® Compression	3.35	85.1	1.81	46.0	1.000	25.4	.748	19.0
M10Z-F6L	10mm CPI™ Compression	10mm CPI™ Compression	3.35	85.1	1.81	46.0	1.000	25.4	.748	19.0
6M6A-F6L	3/8" Male NPT	3/8" A-LOK® Compression	3.14	79.8	1.81	46.0	1.000	25.4	.688	17.5
6M6F-F6L	3/8" Male NPT	3/8" Female NPT	3.04	77.2	2.47	62.7	1.000	25.4	-	-
6M6Z-F6L	3/8" Male NPT	3/8" CPI™ Compression	3.14	79.8	1.81	46.0	1.000	25.4	.688	17.5
6M8A-F6L	3/8" Male NPT	1/2" A-LOK® Compression	3.25	82.6	1.81	46.0	1.000	25.4	.875	22.2
6M8Z-F6L	3/8" Male NPT	1/2" CPI™ Compression	3.25	82.6	1.81	46.0	1.000	25.4	.875	22.2
8A-F8L	1/2" A-LOK® Compression	1/2" A-LOK® Compression	4.08	103.6	2.34	59.4	1.250	31.8	.875	22.2
8F-F8L	1/2" Female NPT	1/2" Female NPT	3.56	90.4	-	-	1.250	31.8	-	-
8F5-F8L	1/2" Male SAE	1/2" Male SAE	3.45	87.6	2.34	59.4	1.250	31.8	-	-
8G5-F8L	1/2" Female SAE	1/2" Female SAE	3.56	90.4	-	-	1.250	31.8	-	-
8KF-F8L	1/2" Female BSP/ISO Tapered	1/2" Female BSP/ISO Tapered	3.56	90.4	-	-	1.250	31.8	-	-
8KM-F8L	1/2" Male BSP/ISO Tapered	1/2" Male BSP/ISO Tapered	3.56	90.4	2.06	52.3	1.250	31.8	-	-
8L-F8L	1/2" Seal-Lok®	1/2" Seal-Lok®	3.22	81.8	2.21	56.1	1.250	31.8	-	-
8M-F8L	1/2" Male NPT	1/2" Male NPT	3.56	90.4	2.05	52.1	1.250	31.8	-	-
8Q-F8L	1/2" UltraSeal	1/2" UltraSeal	3.28	83.3	2.33	59.2	1.250	31.8	-	-
8TA-F8L	1/2" Tube Adapter	1/2" Tube Adapter	3.75	95.3	1.78	45.2	1.250	31.8	-	-
8V-F8L	1/2" VacuSeal	1/2" VacuSeal	3.56	90.4	2.05	52.1	1.250	31.8	-	-
8Z-F8L	1/2" CPI™ Compression	1/2" CPI™ Compression	4.08	103.6	2.34	59.4	1.250	31.8	.875	22.2
M12A-F8L	12mm A-LOK® Compression	12mm A-LOK® Compression	4.06	103.1	2.34	59.4	1.250	31.8	.866	22.0
M12Z-F8L	12mm CPI™ Compression	12mm CPI™ Compression	4.06	103.1	2.34	59.4	1.250	31.8	.866	22.0
8M8A-F8L	1/2" Male NPT	1/2" A-LOK® Compression	3.82	97.0	2.19	55.7	1.250	31.8	.875	22.2
8M8F-F8L	1/2" Male NPT	1/2" Female NPT	3.56	90.4	2.80	71.1	1.250	31.8	-	-
8M8Z-F8L	1/2" Male NPT	1/2" CPI™ Compression	3.82	97.0	2.19	55.7	1.250	31.8	.875	22.2
12A-F12L	3/4" A-LOK® Compression	3/4" A-LOK® Compression	4.34	110.2	2.60	66.0	1.375	34.9	1.125	28.6
12F-F12L	3/4" Female NPT	3/4" Female NPT	4.09	103.9	-	-	1.375	34.9	-	-
12F5-F12L	3/4" Male SAE	3/4" Male SAE	4.05	102.9	2.59	65.8	1.375	34.9	-	-
12G5-F12L	3/4" Female SAE	3/4" Female SAE	4.13	104.9	-	-	1.375	34.9	-	-
12KF-F12L	3/4" Female BSP/ISO Tapered	3/4" Female BSP/ISO Tapered	4.09	103.9	-	-	1.375	34.9	-	-
12KM-F12L	3/4" Male BSP/ISO Tapered	3/4" Male BSP/ISO Tapered	4.09	103.9	2.59	65.8	1.375	34.9	-	-
12L-F12L	3/4" Seal-Lok®	3/4" Seal-Lok®	3.78	96.0	2.44	62.0	1.375	34.9	-	-
12M-F12L	3/4" Male NPT	3/4" Male NPT	4.09	103.9	2.58	65.5	1.375	34.9	-	-
12Q-F12L	3/4" UltraSeal	3/4" UltraSeal	3.78	96.0	2.64	67.1	1.375	34.9	-	-
12TA-F12L	3/4" Tube Adapter	3/4" Tube Adapter	4.24	107.7	2.18	55.4	1.375	34.9	-	-
12V-F12L	3/4" VacuSeal	3/4" VacuSeal	4.64	117.9	2.64	67.1	1.375	34.9	-	-
12Z-F12L	3/4" CPI™ Compression	3/4" CPI™ Compression	4.34	110.2	2.60	66.0	1.375	34.9	1.125	28.6
M20A-F12L	20mm A-LOK® Compression	20mm A-LOK® Compression	4.32	109.7	2.56	65.0	1.375	34.9	1.260	32.0
M20Z-F12L	20mm CPI™ Compression	20mm CPI™ Compression	4.32	109.7	2.56	65.0	1.375	34.9	1.260	32.0
M22A-F12L	22mm A-LOK® Compression	22mm A-LOK® Compression	4.30	109.2	2.56	65.0	1.375	34.9	1.260	32.0
M22Z-F12L	22mm CPI™ Compression	22mm CPI™ Compression	4.30	109.2	2.56	65.0	1.375	34.9	1.260	32.0
12M12A-F12L	3/4" Male NPT	3/4" A-LOK® Compression	4.22	107.2	2.59	65.8	1.375	34.9	1.125	28.6
12M12F-F12L	3/4" Male NPT	3/4" Female NPT	4.09	103.9	3.34	84.8	1.375	34.9	-	-
12M12Z-F12L	3/4" Male NPT	3/4" CPI™ Compression	4.22	107.2	2.59	65.8	1.375	34.9	1.125	28.6
16A-F16L	1" A-LOK® Compression	1" A-LOK® Compression	4.63	117.6	2.53	64.3	1.625	41.3	1.500	38.1
16F-F16L	1" Female NPT	1" Female NPT	4.84	122.9	-	-	1.625	41.3	-	-
16F5-F16L	1" Male SAE	1" Male SAE	4.10	104.1	2.64	67.1	1.625	41.3	-	-
16G5-F16L	1" Female SAE	1" Female SAE	4.84	122.9	-	-	1.625	41.3	-	-
16KF-F16L	1" Female BSP/ISO Tapered	1" Female BSP/ISO Tapered	4.84	122.9	-	-	1.625	41.3	-	-
16KM-F16L	1" Male BSP/ISO Tapered	1" Male BSP/ISO Tapered	4.52	114.8	2.64	67.1	1.625	41.3	-	-
16M-F16L	1" Male NPT	1" Male NPT	4.52	114.8	2.63	66.8	1.625	41.3	-	-
16L-F16L	1" Seal-Lok®	1" Seal-Lok®	3.83	97.3	2.45	62.2	1.625	41.3	-	-
16TA-F16L	1" Tube Adapter	1" Tube Adapter	5.11	129.8	2.52	64.0	1.625	41.3	-	-
16Z-F16L	1" CPI™ Compression	1" CPI™ Compression	4.63	117.6	2.53	64.3	1.625	41.3	1.500	38.1
M25A-F16L	25mm A-LOK® Compression	25mm A-LOK® Compression	4.74	120.4	2.64	67.1	1.625	41.3	1.496	38.0
M25Z-F16L	25mm CPI™ Compression	25mm CPI™ Compression	4.74	120.4	2.64	67.1	1.625	41.3	1.496	38.0
16M16A-F16L	1" Male NPT	1" A-LOK® Compression	4.57	116.1	2.58	65.5	1.625	41.3	1.500	38.1
16M16F-F16L	1" Male NPT	1" Female NPT	4.69	119.1	3.74	95.0	1.625	41.3	-	-
16M16Z-F16L	1" Male NPT	1" CPI™ Compression	4.57	116.1	2.58	65.5	1.625	41.3	1.500	38.1

注释:为方便连接,金属丝网滤芯允许尺寸A和B有微小变动

† 对于CPI™和A-LOK®: 尺寸是在手动旋紧状态下旋转测得的。

订购指南

根据下表可以非常方便地选出具体的型号。六大产品特征如下所示。

范例1 下述型号表示一个F系列直通型过滤器，两端接口均为1/4" NPT外螺纹滤芯过滤精度为5毫米，丁腈橡胶密封，铜阀体。

范例2 下述型号表示一个F系列直通过滤器，其进口端和出口端分别为1" NPT外螺纹和1" A-LOK®卡套，过滤精度为5微米，丁腈橡胶密封，铜阀体。

范例1: 4M-F4L-5-BN-B (shown in the part number blocks below)

范例2: 16M16A-F16L-10-NE-SS

4M				F4L				5	BN	B	
进口端*				出口端*				阀体尺寸	过滤精度	密封材料	阀体材料
进口端*				出口端*				阀体尺寸	过滤精度	密封材料	阀体材料
2A	2G5	2M	M3A	2A	2G5	2M	M3A	F2L	1 micron	空白	B Brass
2F	2KF	2TA	M3Z	2F	2KF	2TA	M3Z		5 micron	BN 丁腈橡胶	SS 316
2F5	2KM	2Z		2F5	2KM	2Z			10 micron	EPR 乙丙橡胶	Stainless
4A	4KF	4Q	M6A	4A	4KF	4Q	M6A	F4L	50 micron	NE 氯丁橡胶	Steel
4F	4KM	4TA	M6Z	4F	4KM	4TA	M6Z		100 micron	T** PTFE	
4F5	4L	4V		4F5	4L	4V			250 micron	KZ 高氟橡胶	
4G5	4M	4Z		4G5	4M	4Z			450 micron		
6A	6KF	6Q	M8Z	6A	6KF	6Q	M8Z	F6L		**仅适用于不锈钢过滤器。	
6F	6KM	6TA	M10A	6F	6KM	6TA	M10A				
6F5	6L	6Z	M10Z	6F5	6L	6Z	M10Z				
6G5	6M	M8A		6G5	6M	M8A					
8A	8KF	8Q	M12A	8A	8KF	8Q	M12A	F8L			
8F	8KM	8TA	M12Z	8F	8KM	8TA	M12Z				
8F5	8L	8V		8F5	8L	8V					
8G5	8M	8Z		8G5	8M	8Z					
12A	12KF	12Q	M20A	12A	12KF	12Q	M20A	F12L			
12F	12KM	12TA	M20Z	12F	12KM	12TA	M20Z				
12F5	12L	12V	M22A	12F5	12L	12V	M22A				
12G5	12M	12Z	M22Z	12G5	12M	12Z	M22Z				
16A	16G5	16L	16Z	16A	16G5	16L	16Z	F16L			
16F	16KF	16M	M25A	16F	16KF	16M	M25A				
16F5	16KM	16TA	M25Z	16F5	16KM	16TA	M25Z				

*如果进口和出口的接口形式一致，则只需列出进口代码。

选项

氧清洗 - 凡在产品代码后加上后缀-C3的产品都将根据派克氧气服务规范ES8003进行清洗和组装。

范例: 4A-F4L-10-V-SS-C3

激光焊接 - 凡在产品代码后加上后缀-LW表示选择防篡改不锈钢过滤器。

范例: 2M-F2L-5-SS-LW

维修包订购

如需订购F系列直通型过滤器的维修包, 只需根据如下所示代码进行选型。

尺寸	过滤精度	密封材料
F2	1 micron	V Fluorocarbon Rubber
F4	5 micron	BN Nitrile Rubber
F6	10 micron	EPR Ethylene Propylene Rubber
F8	50 micron	NE Neoprene Rubber
F12	100 micron	T PTFE
F16	250 micron	KZ Highly Fluorinated Fluorocarbon
	450 micron	

范例: KIT-F8-10-V, KIT-F16-100-BN

Caution: 当采用金属丝网滤芯替换金属烧结滤芯时, 流向反转。



过滤器维修包: 模压密封件, 滤芯, 导向环, 弹簧和维护指南。

—

简介

派克FT系列三通过滤器是为了保护仪器仪表系统免受外界意外污染而设计的。仪表部件的更换或维修都会给系统的管路带来杂屑，碎片，或其他污染物。

特征

- ▶ 过滤部件的更换不需要再安装过滤器
- ▶ 紧凑，高强度本体设计，有效过滤面积：
FT4 - 1.57 sq in (1013 sq mm)
FT8 - 2.53 sq in (1632 sq mm)
- ▶ 不锈钢和铜本体结构
- ▶ 烧结滤芯过滤等级：1, 5, 10, 50和100
- ▶ 250和450微米金属丝网滤芯可选
- ▶ 可选的旁通管路可使元件有一个持续的自清洗过程
- ▶ 可提供接口形式NPT内外螺纹，及CPI™, A-LOK®, Ultra-Seal和VacuSeal

参数

压力范围：

带橡胶和金属材料密封件的：

Stainless Steel6000 psig (414 bar) CWP
Brass2000 psig (138 bar) CWP

带PTFE密封件的：

Stainless Steel4000 psig (276 bar) CWP
Brass2000 psig (138 bar) CWP

压力范围与管路选择：

A-LOK®和CPI™管接头的压力选择，请参照仪表管接头选择指南(Bulletin 4200-TS)，在派克仪器仪表部门的过程控制部分的样本或者是派克仪器仪表管接头的安装 (Bulletin 4200-B4)都可查询到。

对于有内外螺纹的阀的压力选择，请参照样本4260，仪表管接头部分的说明。

具体说明

过滤元件-过滤器内这部分的作用是吸附杂质。

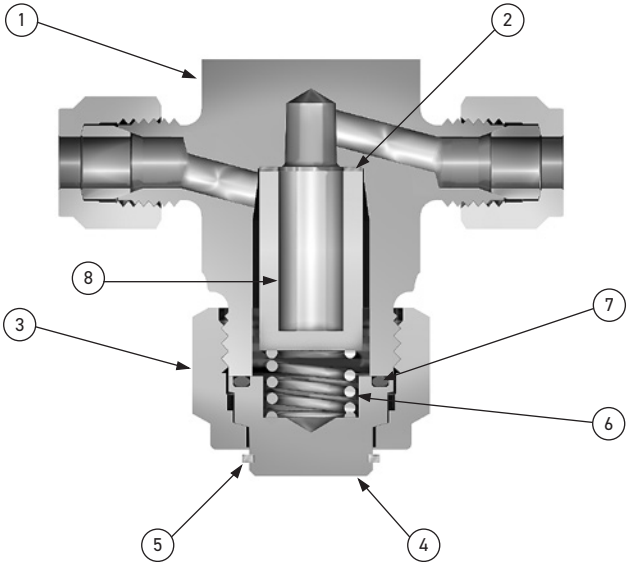
过滤面积-过滤器内过滤元件用来吸附杂质的有效面积。

微米-用来表示过滤器的过滤精度或过滤杂质尺寸的单位。

One micron = 0.00004 inch or 0.0010 mm

安装

以往的安装经验是让这个过滤器帽向下。这样可以避免杂质在换元件时进入系统。



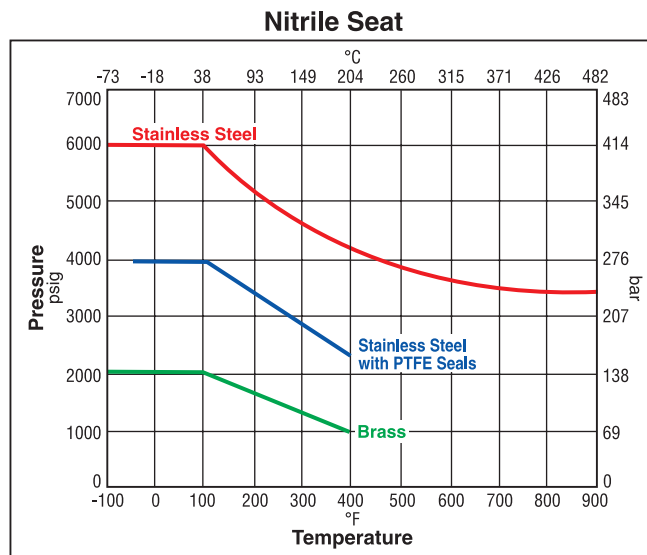
型号范例：4Z-FT4-10-BN-SS

结构材料

序号 #	组件	不锈钢阀体	铜质阀体
1	Body	ASTM A182, Type F316	ASTM B283, Alloy C37700
2	Washer	316 Stainless Steel	
3	Nut	ASTM A479, Type 316	ASTM B16, Alloy C36000
4	Cap	ASTM A479, Type 316	ASTM B16, Alloy C36000
5	Retainer Ring	PH 15-7 Mo Stainless Steel	
6	Spring	316 Stainless Steel	
7	Seal	Fluorocarbon Rubber	
8	Element	316 Stainless Steel	

* Optional seal materials are available. See How to Order section.
Lubrication: Perfluorinated Polyether.

压力vs.温度



Note: 1 bar = 0.1 MPa

注释：这个压力VS温度曲线反应的是指定阀体材料的最大可承受温度范围。

密封材料的可承受温度范围决定了阀体的承受温度范围极值。

温度范围：

丁腈橡胶.....-40°F ~ 275°F (-40°C ~ 135°C)

高氟橡胶.....-20°F ~ 500°F (-29°C ~ 260°C)

乙丙橡胶.....-70°F ~ 300°F (-57°C ~ 149°C)

氟橡胶.....-40°F ~ 400°F (-40°C ~ 204°C)

氯丁橡胶.....-65°F ~ 300°F (-54°C ~ 149°C)

表面镀银镍合金垫圈(C-ring)

.....-100°F ~ 900°F (-73°C ~ 482°C)

PTFE.....-70°F ~ 400°F (-56°C ~ 204°C)

100 psig (7 bar)进口压力下流量计算值

压降		FT4				FT8			
ΔP psig	ΔP bar	水 gpm at 60°F (16°C)	水 m³/hr at 60°F (16°C)	空气 SCFM at 60°F (16°C)	空气 m³/hr at 60°F (16°C)	水 gpm at 60°F (16°C)	水 m³/hr at 60°F (16°C)	空气 SCFM at 60°F (16°C)	空气 m³/hr at 60°F (16°C)
		1 Micron				1 Micron			
5	0.35	0.16	0.04	1.69	2.68	0.28	0.06	2.89	4.58
10	0.69	0.23	0.05	2.35	3.72	0.39	0.09	4.02	6.36
50	3.45	0.51	0.12	4.63	7.18	0.87	0.20	7.91	12.26
		5 Micron				5 Micron			
5	0.35	0.35	0.08	3.68	5.84	0.77	0.17	8.05	12.76
10	0.69	0.50	0.11	5.13	8.12	1.08	0.25	11.21	17.74
50	3.45	1.11	0.25	10.10	15.65	2.43	0.55	22.07	34.19
		10 Micron				10 Micron			
5	0.35	0.44	0.10	4.57	7.26	0.94	0.21	9.90	15.70
10	0.69	0.62	0.14	6.37	10.09	1.33	0.30	13.79	21.83
50	3.45	1.38	0.31	12.55	19.44	2.98	0.68	27.15	42.07
		50 Micron				50 Micron			
5	0.35	0.52	0.12	5.42	8.59	0.99	0.23	10.42	16.52
10	0.69	0.73	0.17	7.55	11.95	1.40	0.32	14.51	22.97
50	3.45	1.63	0.37	14.86	23.03	3.14	0.71	28.57	44.26
		100 Micron				100 Micron			
5	0.35	0.65	0.15	6.78	10.75	1.64	0.37	17.22	27.31
10	0.69	0.91	0.21	9.45	14.95	2.32	0.53	23.99	37.97
50	3.45	2.04	0.46	18.60	28.81	5.19	1.18	47.23	73.17
		250 Micron				250 Micron			
5	0.35	1.14	0.26	11.94	18.92	1.74	0.40	18.22	28.88
10	0.69	1.62	0.37	16.56	26.17	2.47	0.56	25.28	39.95
50	3.45	3.61	0.82	31.30	48.07	5.52	1.25	47.78	73.37
		450 Micron				450 Micron			
5	0.35	1.23	0.28	12.84	20.35	1.88	0.43	19.64	31.13
10	0.69	1.74	0.39	17.82	28.17	2.66	0.60	27.27	43.10
50	3.45	3.88	0.88	33.92	52.16	5.94	1.35	51.89	79.81

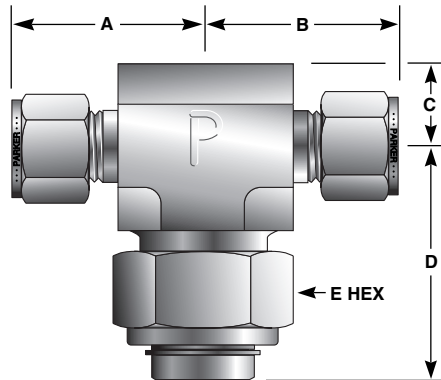
流量/过滤器参数

Filter Series	Effective Filtration Area		C_v^*						
			1 Micron	5 Micron	10 Micron	50 Micron	100 Micron	250 Micron	450 Micron
	sq in	sq mm	Micron Range .5 to 3	Micron Range 5 to 10	Micron Range 10 to 20	Micron Range 40 to 50	Micron Range 100 to 150	Micron Range 225 to 275	Micron Range 400 to 500
FT4	1.57	1012	0.072	0.157	0.195	0.231	0.289	0.511	0.549
FT8	2.53	1632	0.123	0.343	0.422	0.444	0.734	0.780	0.840

* 测试完全按照ISA S75.02进行。 $P_1 - P_2 / P_1 = x_T$ 成立时，气体将堵塞。

$x_T = 1.0$ for micron sizes 1 through 100; 0.78 for the 250 micron size, and 0.81 for the 450 micron size.

尺寸



型号范例:4Z-FT4-10-BN-SS

基本代码	接口形式 端口1 端口2	尺寸 Inches (mm)				
		A †	B †	C	D	E
2A-FT4	1/8" A-LOK®	1.14	1.14	0.51 (13.0)	1.53 (38.9)	0.88 (22.4)
2Z-FT4	1/8" CPI™	(29.0)	(29.0)			
2F-FT4	1/8" Female NPT	1.00	1.00			
		(25.4)	(25.4)			
2M-FT4	1/8" Male NPT	1.00	1.00			
		(25.4)	(25.4)			
4A-FT4	1/4" A-LOK®	1.23	1.23			
4Z-FT4	1/4" CPI™	(31.2)	(31.2)			
4F-FT4	1/4" Female NPT	1.06	1.06			
		(26.9)	(26.9)			
4M-FT4	1/4" Male NPT	1.09	1.09	0.59 (15.0)	1.71 (43.4)	1.25 (31.8)
		(27.7)	(27.7)			
4Q-FT4	1/4" UltraSeal	1.09	1.09			
		(27.7)	(27.7)			
4V-FT4	1/4" VacuSeal	1.20	1.20			
		(30.5)	(30.5)			
M6A-FT4	6mm A-LOK®	1.23	1.23			
M6Z-FT4	6mm CPI™	(31.2)	(31.2)			
6A-FT8	3/8" A-LOK®	1.42	1.42			
6Z-FT8	3/8" CPI™	(36.1)	(36.1)			
6M-FT8	3/8" Male NPT	1.19	1.19	0.59 (15.0)	1.71 (43.4)	1.25 (31.8)
		(30.2)	(30.2)			
8A-FT8	1/2" A-LOK®	1.53	1.53			
8Z-FT8	1/2" CPI™	(38.9)	(38.9)			
8F-FT8	1/2" Female NPT	1.48	1.48			
		(37.6)	(37.6)			
8M-FT8	1/2" Male NPT	1.38	1.38			
		(35.1)	(35.1)			
8V-FT8	1/2" VacuSeal	1.33	1.33			
		(33.8)	(33.8)			
M8A-FT8	8mm A-LOK®	1.44	1.44	0.59 (15.0)	1.71 (43.4)	1.25 (31.8)
M8Z-FT8	8mm CPI™	(36.6)	(36.6)			
M10A-FT8	10mm A-LOK®	1.44	1.44			
M10Z-FT8	10mm CPI™	(36.6)	(36.6)			
M12A-FT8	12mm A-LOK®	1.54	1.54			
M12Z-FT8	12mm CPI™	(39.1)	(39.1)			

† For CPI™ and A-Lok®: Dimensions are measured with nuts in the finger tight position.

70°F (21°C)通过过滤器的Max压差

	1 micron	5 micron	10 micron	50 micron	100 micron	250 micron	450 micron
psig	2250	1950	1750	1150	1000	1000	1000
bar	155	134	120	79	69	69	69

订购指南

根据下边可以非常方便的选出具体的型号。六大产品特征如图所示。

下面是一个FT系列过滤器, 进出口均是1/4" NPT外螺纹, 过滤精度, 丁腈橡胶和铜本体材质。

范例: 4M-FT4-5-BN-B

4M								-	FT4				-	5				-	BN				-	B															
进口端*				出口端*								阀门类型								过滤等级								密封材料								阀体材质			
进口端*				出口端*								阀门类型								过滤等级								密封材料								阀体材质			
2A	4A	4Q	4Z	2A	4A	4Q	4Z					FT4								1 micron				空白								B 铜							
2F	4F	4V	M6A	2F	4F	4V	M6A									5 micron				BN								SS 316不锈钢											
2M	4M	4W	M6Z	2M	4M	4W	M6Z									10 micron				EPR																			
2Z				2Z												50 micron				NE																			
6A	8M	M8A	M10Z	6A	8M	M8A	M10Z					FT8								100 micron				KZ															
6M	8V	M8Z	M12A	6M	8V	M8Z	M12A									250 micron				HT																			
8A	8Z	M10A	M12Z	8A	8Z	M10A	M12Z									450 micron				T																			

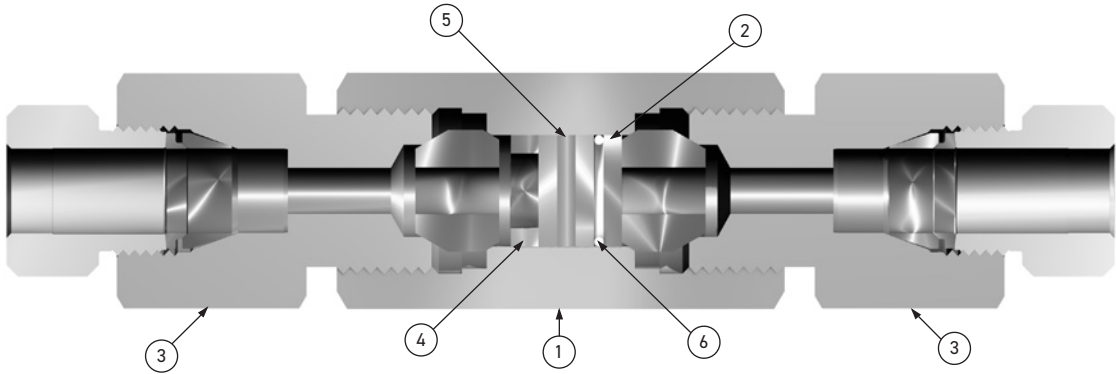
MPF系列过滤器

Parker MPF系列过滤器应用不锈钢烧结膜片来过滤尺寸在0.5 to 100微米大小的颗粒。内置的过滤装置可以保护系统中存在的设备。

内置过滤器



Tubing	派克代码	压力 psi	接口	通径 Inch	长度 Inch	厚度 Inch	过滤器精度					
							0.50	2	5	10	40	100
1/4" O.D.	4MP7-MPFL-100-SS	15,000	1/4" MPI	0.125	5.25	1.38	*	*	*	*	*	*
3/8" O.D.	6MP7-MPFL-100-SS	15,000	3/8" MPI	0.219	5.25	1.38	*	*	*	*	*	*
1/2" O.D.	8MP7-MPFL-100-SS	15,000	1/2" MPI	0.359	5.25	1.38	*	*	*	*	*	*
9/16" O.D.	9MP7-MPFL-100-SS	15,000	9/16" MPI	0.359	5.25	1.38	*	*	*	*	*	*



结构材料

序号 #	组件	材料
1	阀帽	316SS
2	密封	316SS
3	本体	316SS
4	垫片	316SS
5	100微米过滤膜片	316SS
6	O型圈	PTFE

MPF

简介

派克RH4泄压阀是通过流过的峰值压力超过弹簧设定的安全值时，打开阀芯，让流体通过此阀来卸载来保障安全的功能阀。这类阀可成比例的降低流体的峰值压力。

特征

- ▶ 阀在使用中可以相应的调整压力值。8个不同等级的弹簧提供了更好的系统敏感性并增强了系统的性能
- ▶ 能捕获杂质的底座设计具有清洗和防杂屑的能力
- ▶ 当压力达到1500 psig (103 bar)时，有手动提升选项，使弹簧阀芯缩回。这样可以允许使用者在预定压力下维修时，在峰值卸载
- ▶ 弹簧和标签的颜色表示它的开启范围
- ▶ 锁定特征使阀能够提供-个给定的压力设定值

参数

工作压力：

高达6000 psig (414 bar) CWP

高达8000 psig (552 bar),泄压阀内部密封没有损伤

开启压力：

八种弹簧，从50 psig到6000 psig的范围值：

50-350 psig (3.4-24.1 bar)	350-750 psig (24.1-51.7 bar)	750-1500 psig (51.7-103.4 bar)
1500-2250 psig (103.4-155.1 bar)	2250-3000 psig (155.1-206.8 bar)	3000-4000 psig (206.8-275.8 bar)
4000-5000 psig (275.8-344.7 bar)	5000-6000 psig (344.7-413.7 bar)	

温度范围：

丁腈橡胶.....-30°F ~ +225°F (-34°C ~ +107°C)

高氟橡胶.....-20°F ~ +200°F (-29°C ~ +93°C)

乙丙橡胶.....-70°F ~ +275°F (-57°C ~ +135°C)

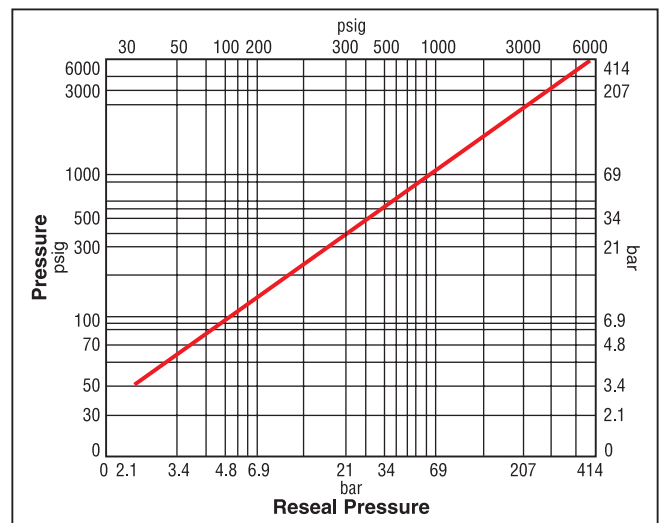
氟橡胶.....-10°F ~ +400°F (-23°C ~ +204°C)

氯丁橡胶.....-45°F ~ +250°F (-43°C ~ +121°C)

流量参数

进口压力		压降 ΔP		水 @ 60°F (16°C)		空气 @ 60°F (16°C)	
psig	bar	psig	bar	gpm	m ³ /hr	SCFM	m ³ /hr
100	7	1	0.1	0.4	0.1	4.3	7.0
		10	0.7	1.3	0.3	13.2	21.0
		50	3.5	2.9	0.7	24.2	37.3
1000	69	10	0.7	1.3	0.3	40.9	69.0
		100	6.9	4.1	0.9	123.5	208.4
		500	34.5	9.2	2.1	219.1	368.6
3000	207	100	6.9	4.1	0.9	220.1	373.5
		1000	69.0	13.0	2.9	590.8	1002.4
		1500	103.4	15.9	3.6	652.1	1105.7
6000	413	1000	69.0	13.0	2.9	916.8	1556.2
		2000	137.9	18.3	4.2	1179.7	2001.3
		3000	206.8	22.5	5.1	1301.6	2207.0

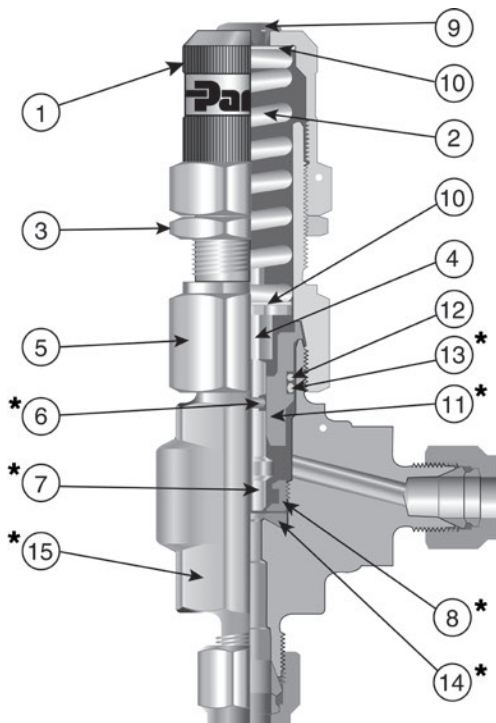
Crack Pressure Vs. Reseal Pressure



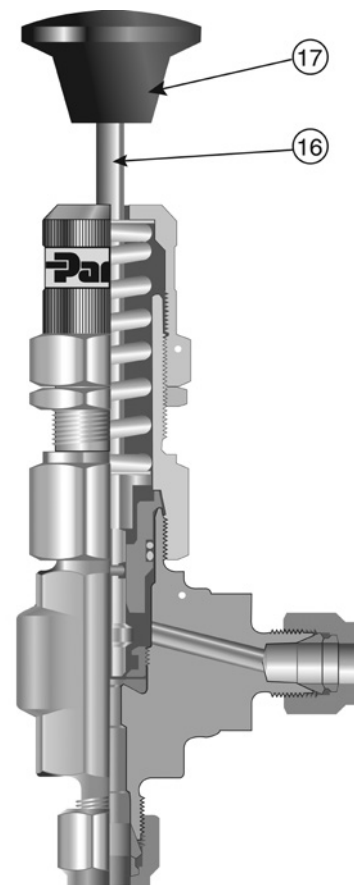
Note: Valves which are not actuated for a period of time may initially crack at higher than set crack pressures.

Note: 1 bar.= 0.1 MPa

结构材料



型号范例:4A-RH4A-BNT-SS-K1



型号范例:4A-RH4A-VT-SS-MN-K2

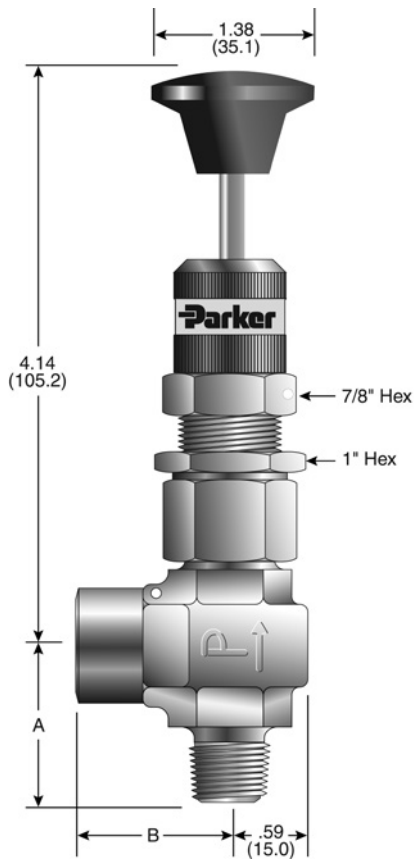
序号 #	组件	材料
1	阀帽	ASTM A 479, Type 316
2	弹簧	17-7 Stainless Steel
3	防松螺母	316 Stainless Steel
4	上阀杆	ASTM A 479, Type 316
5	阀盖	ASTM A 479, Type 316
*6	阀杆密封	**Fluorocarbon Rubber
*7	下阀杆	ASTM A 479, Type 316
*8	底座导向圈	ASTM A 479, Type 316
9	插头	Zinc Coated Steel
10	垫片	PTFE
*11	导向阀杆	ASTM A 479, Type 316
12	支撑环	PTFE
*13	阀体密封	**Fluorocarbon Rubber
*14	底座	**Fluorocarbon Rubber
*15	阀本体	ASTM A 182, Type F316
16	手柄阀杆	ASTM A 479, Type 316
17	手柄	Phenolic

* 接触介质的零部件

** 参见具体订货信息, 更多阀座和密封材料可选
润滑: Perfluorinated polyether.

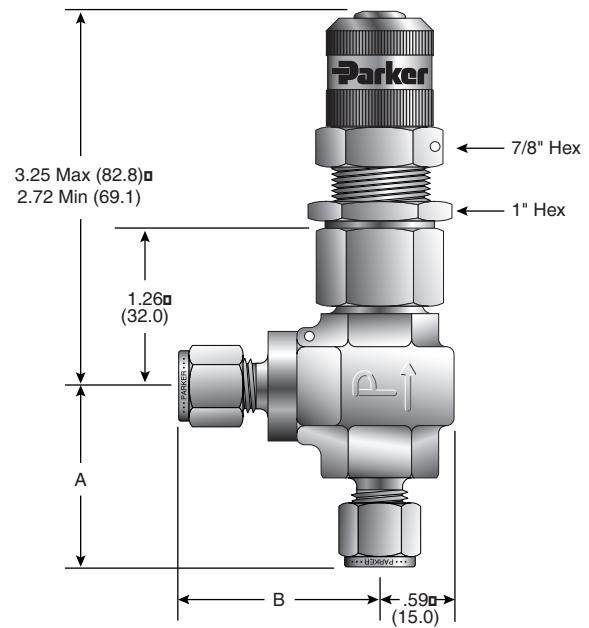
RH4

尺寸/流量参数



型号范例:

4M4F-RH4A-VT-SS-MN-K2



型号范例:

4A-RH4A-BNT-SS-K1

基本代码	接口		流量参数				尺寸 †			
	(进口) Port 1	(出口) Port 2	通径		C _v	X _T *	A		B	
			Inch	mm			inch	mm	inch	mm
4A-RH4A	1/4" A-LOK® Compression	1/4" A-LOK® Compression	0.14	3.6	0.41	0.67	1.44	36.6	1.60	40.6
4Z-RH4A	1/4" CPI™ Compression	1/4" CPI™ Compression					1.44	36.6	1.60	40.6
4M4A-RH4A	1/4" Male NPT	1/4" A-LOK® Compression					1.19	30.2	1.60	40.6
4M4Z-RH4A	1/4" Male NPT	1/4" CPI™ Compression					1.19	30.2	1.60	40.6
4M4F-RH4A	1/4" Male NPT	1/4" Female NPT					1.19	30.2	1.17	29.7
4KF-RH4A	1/4" Female BSP/ISO Tapered	1/4" Female BSP/ISO Tapered					1.19	30.2	1.17	29.7
4KM-RH4A	1/4" Male BSP/ISO Tapered	1/4" Male BSP/ISO Tapered					1.19	30.2	1.17	29.7
M6A-RH4A	6mm A-LOK® Compression	6mm A-LOK® Compression					1.44	36.6	1.60	40.6
M6Z-RH4A	6mm CPI™ Compression	6mm CPI™ Compression					1.44	36.6	1.60	40.6
M8A-RH4A	8mm A-LOK® Compression	8mm A-LOK® Compression					1.44	36.6	1.60	40.6
M8Z-RH4A	8mm CPI™ Compression	8mm CPI™ Compression					1.44	36.6	1.60	40.6

* 测试完全按照ISA S75.02。当 $P_1 - P_2 / P_1 = x_T$ 成立时, 气体将堵塞。

† 对于CPI™和A-LOK®接头: 该尺寸是螺母手紧后的位置。

订购指南

根据下表可以非常方便地选出具体的型号。特征如下所示。

范例1 下述表示一个RH4A系列外部调节泄压阀, 1/4" CPI™压力进出口, 丁腈橡胶, PTFE垫圈, 不锈钢本体及压力范围在3000 ~ 4000 psig (206.8 ~ 275.8 bar)弹簧组件

范例2 下述表示一个RH4A系列外部调节泄压阀, 进口1/4" NPT外螺纹, 出口1/4" NPT内螺纹, 乙丙橡胶密封, PTFE垫圈, 不锈钢结构, 手动提升可选, 压力50 ~ 350 psig (3.4 ~ 24.1 bar)弹簧组件

范例1: 4Z-RH4A-BNT-SS-K6 (shown in the part number blocks below)

范例2: 4M4F-4H4A-EPRT-SS-MN-K1

4Z		-	RH4A		-	BN		T	-	SS		-			-	K6								
进口端*		出口端*		阀门系列		密封材料		Back-Up Rings**		阀体材质		Actuation				Spring Kit***								
进口端*		出口端*		阀门系列		密封材料		Back-Up Rings**		阀体材质		Actuation				Spring Kit*** (psig)								
4M	Male NPT			RH4A		V	氟橡胶	T		PTFE		SS		316不锈钢		空白		标准型		手动提升		K1	50 - 350	
4F	Female NPT					BN	丁腈橡胶															K2	350 - 750	
4A	A-LOK® Compression					EPR	乙丙橡胶															K3	750 - 1500	
4Z	CPI™ Compression					NE	氯丁橡胶															K4	1500 - 2250	
4KF	Female BSP/ISO					KZ	高氟橡胶															K5	2250 - 3000	
4KM	Male BSP/ISO																					K6	3000 - 4000	
M6A	A-LOK® Compression																					K7	4000 - 5000	
M6Z	CPI™ Compression																					K8	5000 - 6000	
M8A	A-LOK® Compression																							
M8Z	CPI™ Compression																							

* 如果进口和出口的接口形式一致, 则只需列出进口代码。

** 如果要订购有弹性垫圈的泄压阀, 则忽略垫圈的代码。

*** 如果仅订购泄压阀而不订购弹簧组件, 忽略弹簧组件代码。

弹簧组件

维修包代码	开启压力范围 (psig)	开启压力范围 (bar)	颜色代码
KIT-RH4SP-50-350	50-350	3.4-24.1	Gray
KIT-RH4SP-350-750	350-750	24.1-51.7	Red
KIT-RH4SP-750-1500	750-1500	51.7-103.4	Orange
KIT-RH4SP-1500-2250	1500-2250	103.4-155.1	Yellow
KIT-RH4SP-2250-3000	2250-3000	155.1-206.8	Light Green
KIT-RH4SP-3000-4000	3000-4000	206.8-275.8	Light Blue
KIT-RH4SP-4000-5000	4000-5000	275.8-344.7	Violet
KIT-RH4SP-5000-6000	5000-6000	344.7-413.7	Lemon Yellow



弹簧组件包括:

弹簧
标签代码
PTFE垫圈, 锁定环/导向密封圈安装
安装手册

密封组件

维修包代码	底座/密封材料
KIT-RH4-VT	氟橡胶
KIT-RH4-BNT	丁腈橡胶
KIT-RH4-EPRT	乙丙胶
KIT-RH4-NET	氯丁橡胶
KIT-RH4-KZT	高氟橡胶

密封组件包括:

阀杆密封
阀帽密封
PTFE垫圈
底部阀杆部件
维修指南



简介

派克RL4泄压阀当通过的上游压力超过弹簧设定的安全值时，阀芯打开，使流体通过此阀，达到卸载来保障安全的功能。这类阀可成比例的降低流体的峰值压力。

特征

- ▶ 阀在使用中可以相应的调整压力值。7个不同压力等级的弹簧提供了更好的系统敏感性并增强了系统的性能
- ▶ 在压力范围内都有手动提升选项，使弹簧阀芯抬起。这样可以允许使用者在预定压力下工作时，卸载上游压力。
- ▶ 不同弹簧和标签的颜色表示开启范围
- ▶ 背压对开启压力有较小的影响
- ▶ 铅封固定使阀提供一个给定的压力设定值

参数

工作压力：

高达400 psig (28 bar) CWP

高达600 psig (41 bar)，当泄压阀内部密封没有损坏时

开启压力：

七个弹簧压力范围等级：

10-25 psig (0.7-1.7 bar)	25-50 psig (1.7-3.4 bar)	50-100 psig (3.4-6.9 bar)
100-150 psig (6.9-10.3 bar)	150-225 psig (10.3-15.5 bar)	225-400 psig (15.5-27.6 bar)
10-225 psig (0.7-15.5 bar)		

温度范围：

丁腈橡胶.....-30°F ~ 225°F (-34°C ~ 107°C)

高氟橡胶.....-20°F ~ 200°F (-29°C ~ 93°C)

乙丙橡胶.....-70°F ~ 275°F (-57°C ~ 135°C)

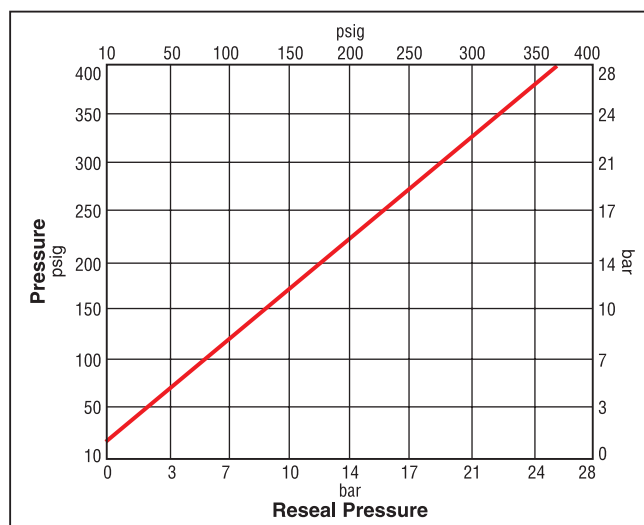
氟橡胶.....-10°F ~ 400°F (-23°C ~ 204°C)

氯丁橡胶.....-45°F ~ 250°F (-43°C ~ 121°C)

流量参数

进口压力		压降 ΔP		水 @ 60°F (16°C)		空气 @ 60°F (16°C)	
psig	bar	psig	bar	gpm	m ³ /hr	SCFM	m ³ /hr
100	6.9	1	0.1	0.8	0.2	8.0	12.7
		10	0.7	2.4	0.5	24.2	38.2
		50	3.4	5.3	1.2	44.7	68.2
200	13.8	10	0.7	2.4	0.5	33.8	55.4
		50	3.4	5.3	1.2	68.7	111.2
		100	6.9	7.5	1.7	85.0	136.8
300	20.7	100	6.9	7.5	1.7	112.2	184.9
		150	10.3	9.2	2.1	125.2	205.0
		200	13.8	10.6	2.4	130.4	212.2
400	27.6	150	10.3	9.2	2.1	153.9	255.1
		200	13.8	10.6	2.4	165.4	273.6
		250	17.2	11.9	2.7	171.1	281.9

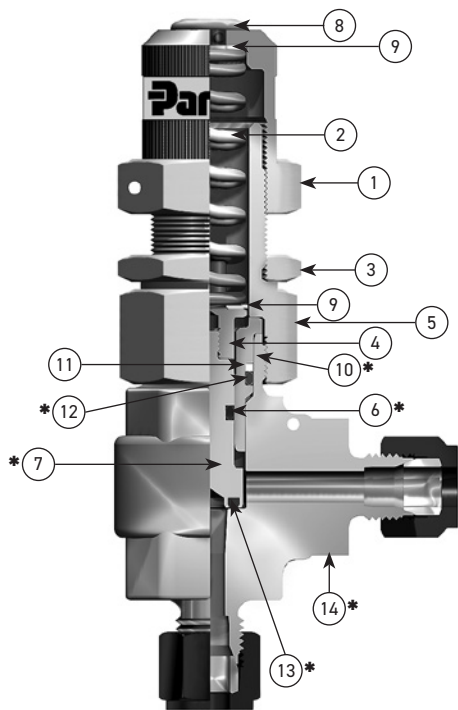
开启压力vs.复位压力



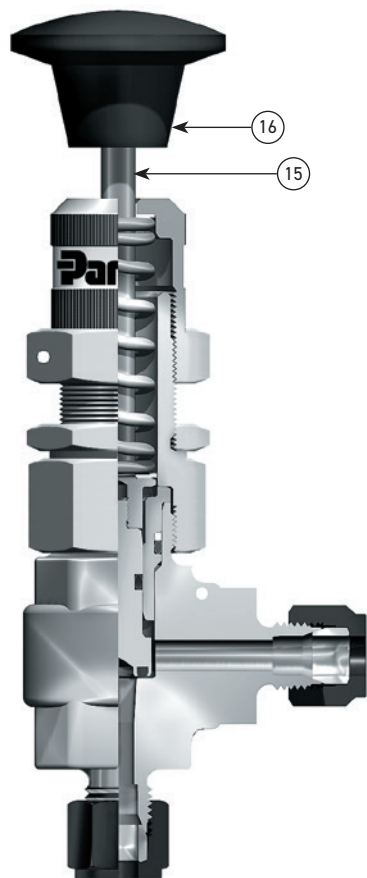
Note: 当阀门一段时间内未动作时，初次打开压力可能高于设定压力

Note: 1 bar = 0.1 MPa

结构材料



型号范例:4Z-RL4A-BNT-SS-KE



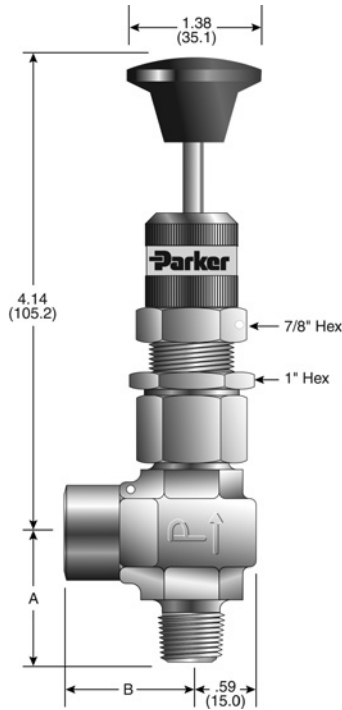
型号范例:4Z-RL4A-VT-SS-MN-KG

序号 #	组件	材料
1	阀帽	ASTM A 479, Type 316
2	弹簧	17Cr-7Ni Stainless Steel
3	防松螺母	316 Stainless Steel
4	上阀杆	ASTM A 479, Type 316
5	阀盖	ASTM A 479, Type 316
*6	阀杆密封	**Fluorocarbon Rubber
*7	下阀杆	ASTM A 479, Type 316
8	插头	316 Stainless Steel
9	垫片	PTFE
*10	导向阀杆	ASTM A 479, Type 316
11	支承环	PTFE
*12	阀盖密封	**Fluorocarbon Rubber
*13	底座	**Fluorocarbon Rubber
*14	阀本体	ASTM A 182, Type F316
15	手柄杆	ASTM A 479, Type 316
16	手柄	Phenolic

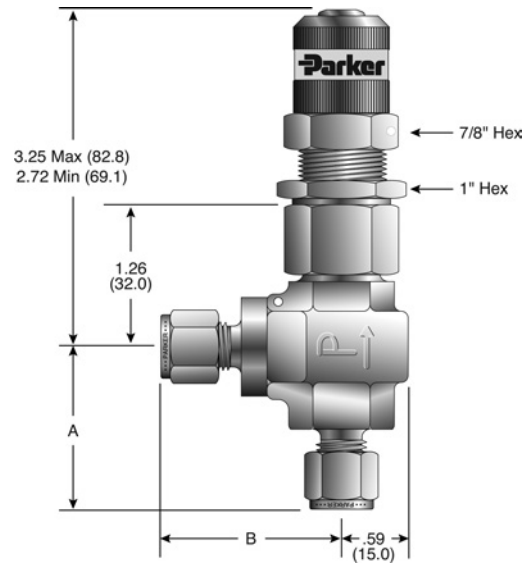
* 接触介质的零部件
** 更多阀座和密封材料在订货信息处可选
Lubrication: Perfluorinated polyether.

RL4

尺寸和流量参数



型号范例:4M4F-RL4A-VT-SS-MN-KD



型号范例:4A-RL4A-BNT-SS-KC

基本代码	接口形式		流量参数				尺寸 †			
	(进口) 端口1	(出口) 端口2	通径		C _v	X _T *	A		B	
			Inch	mm			inch	mm	inch	mm
4A-RL4A	1/4" A-LOK® Compression	1/4" A-LOK® Compression	0.203	5.2	0.75	0.70	1.44	36.6	1.60	40.6
4Z-RL4A	1/4" CPI™ Compression	1/4" CPI™ Compression					1.44	36.6	1.60	40.6
4M4A-RL4A	1/4" Male NPT	1/4" A-LOK® Compression					1.19	30.2	1.60	40.6
4M4Z-RL4A	1/4" Male NPT	1/4" CPI™ Compression					1.19	30.2	1.60	40.6
4M4F-RL4A	1/4" Male NPT	1/4" Female NPT					1.19	30.2	1.17	29.7
4KF-RL4A	1/4" Female BSP/ISO Tapered	1/4" Female BSP/ISO Tapered					1.19	30.2	1.17	29.7
4KM-RL4A	1/4" Male BSP/ISO Tapered	1/4" Male BSP/ISO Tapered					1.19	30.2	1.17	29.7
M6A-RL4A	6mm A-LOK® Compression	6mm A-LOK® Compression					1.44	36.6	1.60	40.6
M6Z-RL4A	6mm CPI™ Compression	6mm CPI™ Compression					1.44	36.6	1.60	40.6
M8A-RL4A	8mm A-LOK® Compression	8mm A-LOK® Compression					1.44	36.6	1.60	40.6
M8Z-RL4A	8mm CPI™ Compression	8mm CPI™ Compression					1.44	36.6	1.60	40.6

* 测试完全按照 ISA S75.02。进行 $P_1 - P_2 / P_1 = x_T$ 成立时, 气体将堵塞。

† 对于CPI™ and A-LOK®: 尺寸标注为螺母手紧后位置。

订购指南

根据下表可以非常方便的选出具体的型号。八大产品特征如图所示。

范例1 下述是RL4A系列外部调节泄压阀, 进出压力口均是1/4" CPI™丁腈橡胶密封, PTFE支承环, 不锈钢结构, 100 ~ 150 psig (6.9 ~ 10.3 bar)范围弹簧包。

范例2 下述是RL4A系列外部调节泄压阀, 进口是1/4" NPT外螺纹, 出口时1/4" NPT内螺纹, 乙丙密封, PTFE支承环, 不锈钢结构, 提升选项, 10 ~ 225 psig (0.7 ~ 15.5 bar)范围弹簧包。

范例1: 4Z-RL4A-BNT-SS-KD (shown in the part number blocks below)

范例2: 4M4F-RL4A-EPRT-SS-MN-KF

4Z			RL4A		BN	T		SS				KD			
进口端*		出口端*		阀门系列		密封材料		Back-Up Rings**		阀体材质		Actuation		Spring Kit***	
进口端*		出口端*		阀门系列		密封材料		Back-Up Rings**		阀体材质		Actuation		Spring Kit***	
4M	Male NPT			RL4A	V	氟橡胶	T	PTFE	SS	Stain- less Steel	空白 Standard MN Manual Overdrive	KA	10 - 25 psig (0.7 - 1.7 bar)		
4F	Female NPT				BN	丁晴橡胶						KB	25 - 50 psig (1.7 - 3.4 bar)		
4A	A-LOK® Compression				EPR	乙丙橡胶						KC	50 - 100 psig (3.4 - 6.9 bar)		
4Z	CPI™ Compression				NE	氯丁橡胶						KD	100 - 150 psig (6.9 - 10.3 bar)		
4KF	Female BSP/ISO				KZ	高氟橡胶						KE	150 - 225 psig (10.3 - 15.5 bar)		
4KM	Male BSP/ISO											KF	10 - 225 psig (0.7 - 15.5 bar)		
M6A	A-LOK® Compression											KG	225 - 400 psig (15.5 - 27.6 bar)		
M6Z	CPI™ Compression														
M8A	A-LOK® Compression														
M8Z	CPI™ Compression														

* 如果进口和出口的接口形式一致,则只需列出进口代码。

**** 如果要订购有弹性垫圈的泄压阀,则忽略垫圈的代码。**

*** 如果仅订购泄压阀而不订购弹簧组件,忽略弹簧组件代码。

弹簧维修包

维修包代码	开启压力范围 (psig)	开启压力范围 (bar)	颜色代码
KIT-RL4SP-10-25	10-25	0.7-1.7	洋红色
KIT-RL4SP-25-50	25-50	1.7-3.4	褐色
KIT-RL4SP-50-100	50-100	3.4-6.9	紫色
KIT-RL4SP-100-150	100-150	6.9-10.3	深绿色
KIT-RL4SP-150-225	150-225	10.3-15.5	深蓝色
KIT-RL4SP-225-400	225-400	15.5-27.6	白色
KIT-RL4SP-10-225	10-225	0.7-15.5	无色

弹簧组件包括：

弹簧
 标签代码
 PTFE垫圈, 锁定环/导向密封圈
 安装指南



密封维修包

维修包代码	底座/密封材料
KIT-RL4-VT	氟橡胶
KIT-RL4-BNT	丁腈橡胶
KIT-RL4-EPRT	乙丙橡胶
KIT-RL4-NET	氯丁橡胶
KIT-RL4-KZT	高氟橡胶

密封件维修包包括:

阀杆密封
 阀帽密封
 PTFE垫圈
 底部阀杆部件
 维修指南

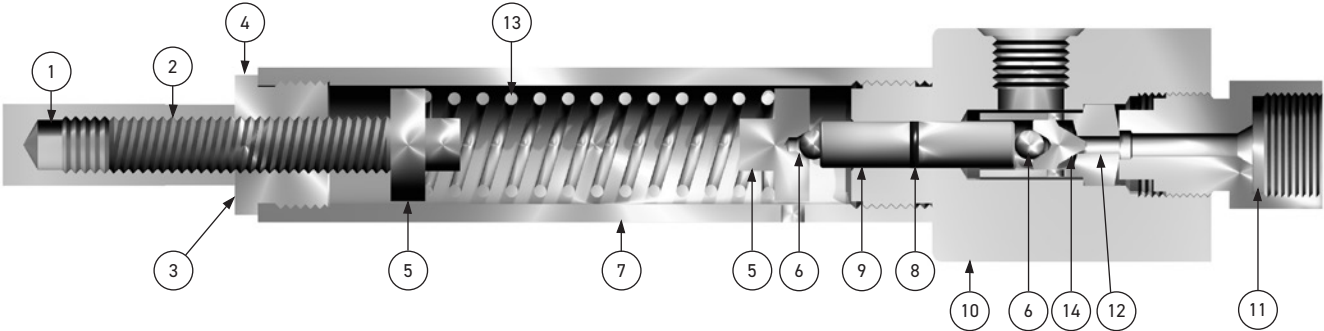


MPR系列泄压阀

派克MPR系列泄压阀可以提供1500到20,999 psi压力范围内的安全开启。泄压阀可由工厂设定调压合适的调压值。

泄压阀(工厂设定)

Parker Part Number	压力范围 psi	接口	通径 Inch	最大流量值 GPM
8M8F-MPRA-****-SS	1,500 ~ 2,999	1/2" M X F NPT	0.250	13
8M8F-MPRA-****-SS	3,000 ~ 10,999	1/2" M X F NPT	0.250	25
9HF8F-MPRA-****-SS	11,000 ~ 20,999	9HF X 1/2" NPTF	0.188	20



结构材料

序号 #	数量	组件	材料
1	1	阀帽	303SS
2	1	5/8-11 X 3 Soc Set Scr	304SS
3	1	压力设定销	300 Ser. SS
4	1	螺帽	303SS
5	2	弹簧底座	304SS
6	2	5/16球珠	316SS
7	1	弹簧外壳	304SS
8	1	O型圈	Fluorocarbon Rubber*
9	1	阀杆	17-4PH-H1150
10	1	本体	316SS
11	1	可更换底座盖	316SS
12	1	密封圈 1500 to 2999	316SS
		密封圈 3000 to 10999	316SS
		密封圈 11000 to 20999	316SS
13	1	丹利弹簧	Steel
14	1	阀杆底座	17-4PH-H900

* 可选密封材料

KZ	高氟橡胶
BN	丁腈橡胶
EPR	乙丙橡胶

范例:8M8F-MPRA-10000-KZ-SS

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MPR

简介

派克BV系列针阀是被设计应用配套阀组，表阀和根部阀的系统中。功能上说，该阀门可以将管线压力排放到大气或其他通气管道中。该排放阀通常应用在当过程仪表需要移除或辅助控制装置的校验等服务。BV系列针阀同样被建议在苛刻的液压系统中。

特征

- ▶ 材料有不锈钢，碳钢，合金钢N24135
- ▶ 排放管路直接排放从系统中溢出的气体或流体
- ▶ 镀铬阀杆可以通过改善密封性能来提高阀门使用寿命
- ▶ 专业的止位和排放管路设计避免了阀杆的意外脱落
- ▶ 紧凑型设计
- ▶ 扳手驱动
- ▶ 多种接口形式，包括外管螺纹和SAE接口
- ▶ 工厂全检测试
- ▶ 排放管路选项可以使排放介质得以有效控制
- ▶ 可选T-bar手柄来减少扳手驱动

特点

压力范围：
.....10,000 psig (689 bar) CWP

温度范围：
不锈钢.....-65°F ~ 850°F (-54°C ~ 454°C)
碳钢.....-20°F ~ 450°F (-29°C ~ 232°C)
合金钢.....-65°F ~ 500°F (-54°C ~ 260°C)

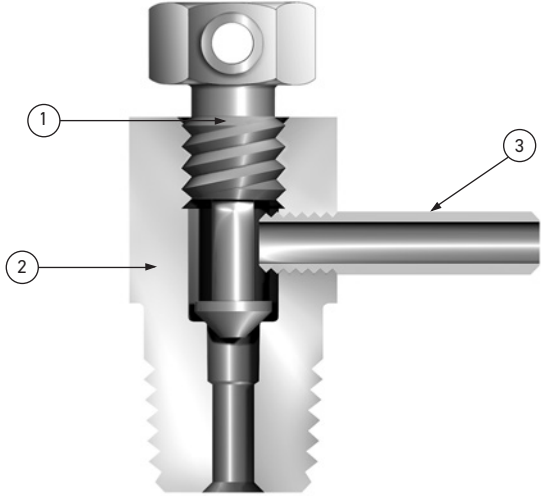
流量参数

$C_v = 0.13$; $X_T = 0.53$; Orifice = 0.125" (3.2mm).
测试完全按照ISA S75.02进行。
气体将会节流，当 $P_1 - P_2 / P_1 = x_T$ 成立时。

注意

该类阀没有阀杆密封结构。必须注意，在开启这些阀的时候要慢，并且切忌使卸载管路朝向正在操作或者附近的人。因为没有阀杆密封，当阀门开启时，少量介质会通过阀杆螺纹溢出。

机构材料



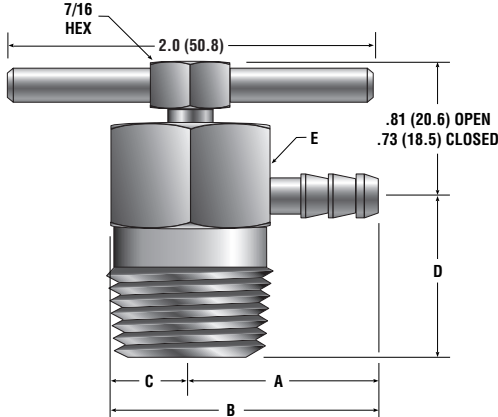
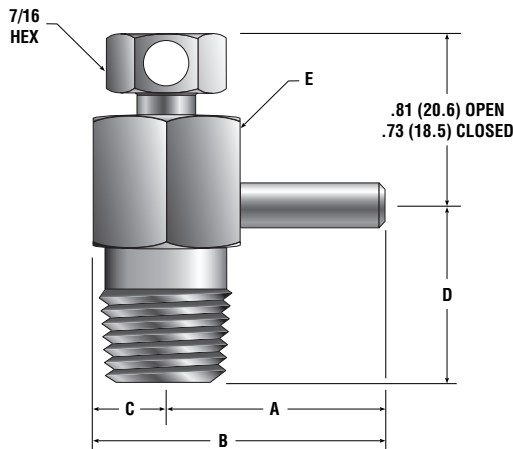
型号范例: 4M-BV4-SS

序号 #	组件	不锈钢	碳钢	合金钢400
1	阀杆	ASTM A479, Type 316		ASTM B164
2	阀本体	ASTM A479, Type 316	ASTM A108, Grade 12L14	ASTM B164
3	管路	316 Stainless Steel		ASTM B164

Lubrication: Molybdenum disulfide with soft metallic fillers

BV

尺寸



() 尺寸单位为毫米

型号范例:4M-BV4-SS

型号范例:8M-BV8-SS-BVT-T

基本代码	接口形式		尺寸									
	(进口) 端口1	(出口) 端口2	A		B		C		D		E (hex)	
			inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
2M-BV4	1/8" Male NPT	3/16" O.D. Tube Stub	0.94	23.88	1.24	31.50	0.31	7.87	0.75	19.05	0.63	16.00
4M-BV4	1/4" Male NPT		0.94	23.88	1.24	31.50	0.31	7.87	0.75	19.05	0.63	16.00
4KM-BV4	1/4" Male BSP		0.94	23.88	1.24	31.50	0.31	7.87	0.75	19.05	0.63	16.00
4F5-BV4	1/4" Male SAE		0.94	23.88	1.24	31.50	0.31	7.87	0.69	17.53	0.63	16.00
6M-BV8	3/8" Male NPT		1.03	26.16	1.49	37.85	0.44	11.18	0.88	22.35	0.88	22.35
8M-BV8	1/2" Male NPT		1.03	26.16	1.49	37.85	0.44	11.18	0.88	22.35	0.88	22.35
8F5-BV8	1/2" Male SAE		1.03	26.16	1.49	37.85	0.44	11.18	0.88	22.35	0.88	22.35

订购指南

根据下表可以非常方便地选出具体的型号。六大产品特征如下所示。

下面型号描述的是一个不锈钢体BV4针阀，进口1/4" NPT外螺纹。它没有手柄。

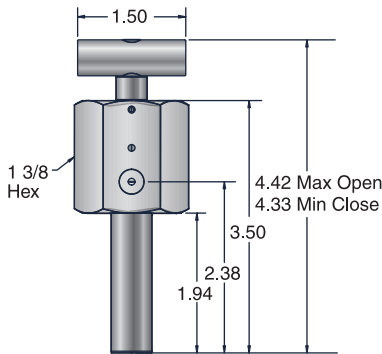
范例:4M-BV4-SS-BVT

4M	-	BV4	-	SS	-	BVT	-	
接口形式		阀门系列		材料		卸载选项		手柄选项
接口形式	阀门系列	材料	卸载选项	手柄选项				
2M 4KM	BV4	SS Stainless Steel	Blank Vent Tube	空白 没有手柄				
4M 4F5**		S Carbon Steel	BVT Barbed Vent	T Tee Bar				
6M 8M	BV8	M Alloy N24135	Tube	Handle				
8F5**								

* 如果进口和出口的接口形式一致，则只需列出进口代码。

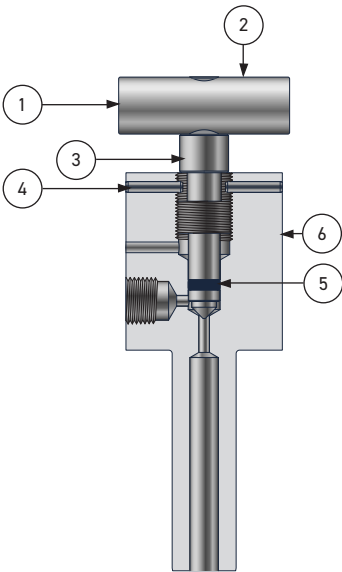
** 外螺纹接口可以提供氟橡胶O型圈，只要在F5后加0；i.e., 4F50。

中压系列针阀



Parker Part No.	PSI	接口
9T7-MPBV-V-SS	15,000	9/16" Tube Stub
9HM-MPBV-V-SS	30,000	9/16" High Pressure Male

Note: Outlet is 1/8" FNPT



结构材料

序号 #	数量	描述	材料
1	1	Soc Set Screw	300 Ser. SS
2	1	Handle	Aluminum
3	1	Stem	17-4PH-H900
4	2	Rolling Pin	420SS
5	1	O-Ring	Fluorocarbon Rubber
6	1	Body	316SS

简介

派克PG系列排放阀可被用作针阀，卸荷阀或排水阀。这个阀结构紧凑，初次安装时只需用扳手从手紧到旋到1/4圈即可实现无泄漏密封。额外的旋紧可确保无泄漏密封能高于相应的压力值。

特征

- ▶ 在阀盖上有0.055 inch (1.4 mm)直径的排放口，起到卸载，排放系统压力的作用
- ▶ 螺帽允许手紧或扳手辅助来协助关闭
- ▶ 带波纹的阀帽可以放在拆装的意外
- ▶ 多种阀体材料可选，保证了系统设计可选的多样性，减少空间要求，并帮助较少泄露途径
- ▶ 多种接口形式可选，包括: CPI™, A-LOK®, male and female NPT, SAE,和转换接头
- ▶ 工厂全检测试
- ▶ 可选PTFE球珠，仅需手动即可实现防泄漏密封

参数

温度范围:

不锈钢	-65°F ~ 600°F (-54°C ~ 316°C)
铜	-65°F ~ 400°F (-54°C ~ 204°C)
碳钢	-20°F ~ 350°F (-29°C ~ 177°C)
PTFE球珠可选	-65°F ~ 350°F (-54°C ~ 177°C)

压力范围:

不锈钢	4000 psig (276 bar) CWP
铜	3000 psig (207 bar)
碳钢	3000 psig (207 bar)
PTFE球珠可选	200 psig (14 bar)

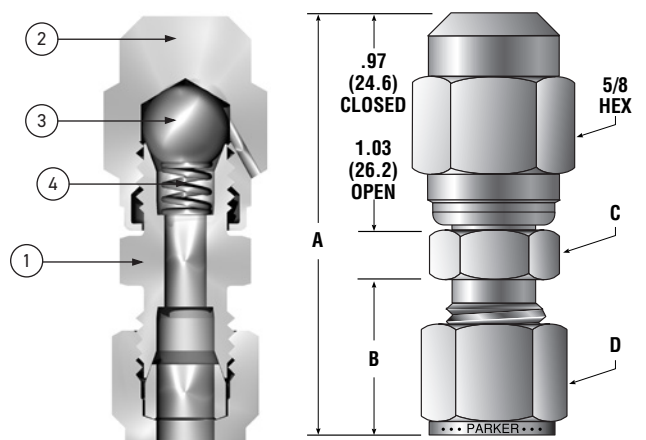
注意

这类阀的阀盖没有螺纹密封。必须注意，在开启这些阀的时候要慢，并且切意使排放管路朝向正在操作或者附近的人。因为没有阀杆螺纹密封，当阀门开启时，少量介质会通过阀杆螺纹溢出。

PTFE球珠选项

具有PTFE球珠的排放阀仅用手即可实现防泄漏并且设计了一个对于球珠可替换用的可移动阀帽。

结构材料和尺寸



() Denotes dimensions in millimeters

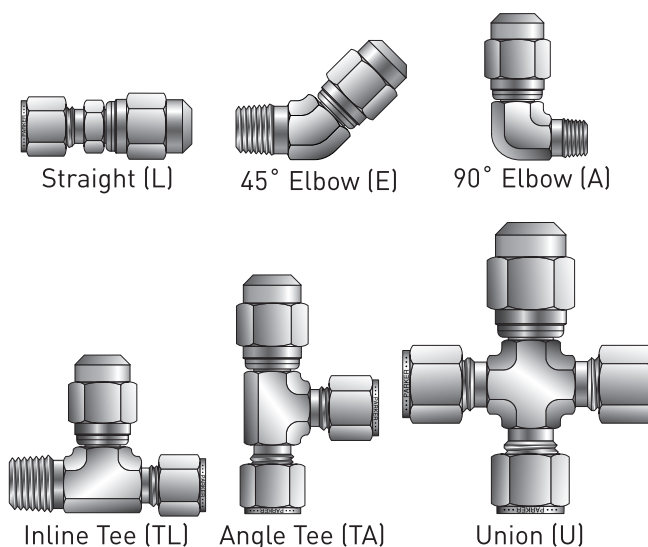
型号范例: 4Z-PG4L-SS

序号 #	组件	不锈钢	碳钢	铜
1	Body	ASTM A479, Type 316	ASTM A108, Grade 12L14	ASTM B16, Alloy C36000
2	Cap	ASTM A479, Type 316	ASTM A108, Grade 12L14	ASTM B16, Alloy C36000
3	Ball	316 Stainless Steel*		
4	Vent Tube	316 Stainless Steel		

*Optional PTFE Ball available

Lubrication: Molybdenum disulfide with soft metallic fillers

可选的排放阀式样



尺寸

接口形式	尺寸								
	A* (Closed)*		B*		C (hex)		D (hex)		
	inch	mm	inch	mm	inch	mm	inch	mm	
2A	1/8" A-LOK® Compression	1.79	45.5	0.60	15.2	0.50	12.7	0.44	11.2
2Z	1/8" CPI™ Compression	1.79	45.5	0.60	15.2	0.50	12.7	0.44	11.2
2M	1/8" Male NPT	1.56	39.6	0.38	9.7	0.50	12.7	-	-
2F	1/8" Female NPT	1.50	38.1	0.53	13.5	0.56	14.2	-	-
2TA	1/8" Tube Adapter	1.69	42.9	0.55	14.0	0.50	12.7	-	-
4A	1/4" A-LOK® Compression	1.88	47.8	0.70	17.8	0.50	12.7	0.56	14.2
4Z	1/4" CPI™ Compression	1.88	47.8	0.70	17.8	0.50	12.7	0.56	14.2
4M	1/4" Male NPT	1.76	44.7	0.56	14.2	0.56	14.2	-	-
4F	1/4" Female NPT	1.69	42.9	0.72	18.3	0.75	19.1	-	-
4F5	1/4" Male SAE	1.78	45.2	0.41	10.4	0.75	19.1	-	-
4TA	1/4" Tube Adapter	1.91	48.5	0.72	18.3	0.50	12.7	-	-
6A	3/8" A-LOK® Compression	1.98	50.3	0.76	19.3	0.63	16.0	0.69	17.5
6Z	3/8" CPI™ Compression	1.98	50.3	0.76	19.3	0.63	16.0	0.69	17.5
6M	3/8" Male NPT	1.78	45.2	0.56	14.2	0.69	17.5	-	-
6F	3/8" Female NPT	1.75	44.5	0.78	19.8	0.88	22.4	-	-
6TA	3/8" Tube Adapter	1.97	50.0	0.78	19.8	0.50	12.7	-	-
M6A	6mm A-LOK® Compression	1.88	47.8	0.70	17.8	0.55	14.0	0.55	14.0
M6Z	6mm CPI™ Compression	1.88	47.8	0.70	17.8	0.55	14.0	0.55	14.0
8A	1/2" A-LOK® Compression	2.12	53.8	0.87	22.1	0.81	20.6	0.88	22.4
8Z	1/2" CPI™ Compression	2.12	53.8	0.87	22.1	0.81	20.6	0.88	22.4
8M	1/2" Male NPT	2.03	51.6	0.75	19.1	0.88	22.4	-	-
8F	1/2" Female NPT	1.94	49.3	0.97	24.6	1.06	26.9	-	-
8F5	1/2" Male SAE	2.08	52.8	0.47	11.9	1.13	28.7	-	-
8TA	1/2" Tube Adapter	2.22	56.4	1.03	26.2	0.56	14.2	-	-
M8A	8mm A-LOK® Compression	1.97	50.0	0.75	19.1	0.63	16.0	0.63	16.0
M8Z	8mm CPI™ Compression	1.97	50.0	0.75	19.1	0.63	16.0	0.63	16.0

订购指南

根据下表可以非常方便地选出具体的型号。七大产品特征如下所示。

下述描述了一个不锈钢体，90°本体 PG4排放阀，1/8" NPT外螺纹结构，PTFE球珠。

范例：2M-PG4A-SS-T

2M					-	PG4		A		-	SS		-	T	
接口形式*						阀门系列		阀体类型			材料			球珠	
接口形式*						阀门系列		阀门系列			材料			球珠	
2A	4A	6A	8A	M6A		PG4	L	直通			SS	不锈钢		空白	不锈钢
2Z	4Z	6F	8F	M6Z			A	90° 弯通			B	铜		T	PTFE
2F	4F	6M	8F5*	M8A			E	45° 弯通			S	碳钢			
2M	4F5**	6TA	8M	M8Z			TL	T型直通流路							
2TA	4M	6Z	8TA				TA	T型弯通流路							
	4TA		8Z				U	联合接头							

* 如果进口和出口的接口形式一致，则只需列出进口代码。

** 外螺纹接口可以提供氟橡胶O型圈，只要在F5后加0；i.e., 4F50。

可选

氧清洗 -
凡在产品代码后加
-C3的产品都将根据
派克ES8003进行清
洗和组装。

范例：
2M-PG4A-SS-T-C3

PG

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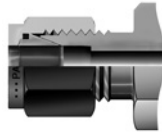
可选接口形式

标准接口形式

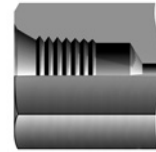
A- A-LOK® 双卡套接口



Z- CPI™ 单卡套接口



F- ANSI/ASME B1.20.1 内螺纹管接头



M- NSI/ASME B1.20.1 外螺纹管接头



非标接口

TA- Tube管转换接口



F5- SAE J1926/2, Part 2:
重型(S系列)螺纹接口



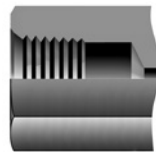
G5- SAE J1926/1, Part 1:
Threaded port with O-ring seal in
truncated housing



L- SAE J1453, Fitting - O-ring面密封
接口-带O型圈沟槽的外螺纹可嵌入
弹性体密封件以实现密封



KF- 英标BS21(ISO 7-1),内螺纹管接口



KM- 英标BS21(ISO 7-1),外螺纹管接口



V- VacuSeal面密封接口



End
Conn

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Offer of Sale

The items described in this document and other documents and descriptions provided by Parker Hannifin Corporation, its subsidiaries and its authorized distributors ("Seller") are hereby offered for sale at prices to be established by Seller. This offer and its acceptance by any customer ("Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any item described in this document, when communicated to Seller verbally, or in writing, shall constitute acceptance of this offer. All goods or work described will be referred to as "Products".

1. Terms and Conditions. Seller's willingness to offer Products, or accept an order for Products, to or from Buyer is expressly conditioned on Buyer's assent to these Terms and Conditions and to the terms and conditions found on-line at www.parker.com/saleterms/. Seller objects to any contrary or additional term or condition of Buyer's order or any other document issued by Buyer.

2. Price Adjustments; Payments. Prices stated on the reverse side or preceding pages of this document are valid for 30 days. After 30 days, Seller may change prices to reflect any increase in its costs resulting from state, federal or local legislation, price increases from its suppliers, or any change in the rate, charge, or classification of any carrier. The prices stated on the reverse or preceding pages of this document do not include any sales, use, or other taxes unless so stated specifically. Unless otherwise specified by Seller, all prices are F.O.B. Seller's facility, and payment is due 30 days from the date of invoice. After 30 days, Buyer shall pay interest on any unpaid invoices at the rate of 1.5% per month or the maximum allowable rate under applicable law.

3. Delivery Dates; Title and Risk; Shipment. All delivery dates are approximate and Seller shall not be responsible for any damages resulting from any delay. Regardless of the manner of shipment, title to any products and risk of loss or damage shall pass to Buyer upon tender to the carrier at Seller's facility (i.e., when it's on the truck, it's yours). Unless otherwise stated, Seller may exercise its judgment in choosing the carrier and means of delivery. No deferment of shipment at Buyer's request beyond the respective dates indicated will be made except on terms that will indemnify, defend and hold Seller harmless against all loss and additional expense. Buyer shall be responsible for any additional shipping charges incurred by Seller due to Buyer's changes in shipping, product specifications or in accordance with Section 13, herein.

4. Warranty. Seller warrants that the Products sold hereunder shall be free from defects in material or workmanship for a period of twelve months from the date of delivery to Buyer or 2,000 hours of normal use, whichever occurs first. This warranty is made only to Buyer and does not extend to anyone to whom Products are sold after purchased from Seller. The prices charged for Seller's products are based upon the exclusive limited warranty stated above, and upon the following disclaimer: **DISCLAIMER OF WARRANTY: THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO PRODUCTS PROVIDED HEREUNDER. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

5. Claims; Commencement of Actions. Buyer shall promptly inspect all Products upon delivery. No claims for shortages will be allowed unless reported to the Seller within 10 days of delivery. No other claims against Seller will be allowed unless asserted in writing within 60 days after delivery or, in the case of an alleged breach of warranty, within 30 days after the date within the warranty period on

which the defect is or should have been discovered by Buyer. Any action based upon breach of this agreement or upon any other claim arising out of this sale (other than an action by Seller for any amount due to Seller from Buyer) must be commenced within thirteen months from the date of tender of delivery by Seller or, for a cause of action based upon an alleged breach of warranty, within thirteen months from the date within the warranty period on which the defect is or should have been discovered by Buyer.

6. LIMITATION OF LIABILITY. UPON NOTIFICATION, SELLER WILL, AT ITS OPTION, REPAIR OR REPLACE A DEFECTIVE PRODUCT, OR REFUND THE PURCHASE PRICE. IN NO EVENT SHALL SELLER BE LIABLE TO BUYER FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR AS THE RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS OR ANY PART THEREOF, OR FOR ANY CHARGES OR EXPENSES OF ANY NATURE INCURRED WITHOUT SELLER'S WRITTEN CONSENT, EVEN IF SELLER HAS BEEN NEGLIGENCE, WHETHER IN CONTRACT, TORT OR OTHER LEGAL THEORY. IN NO EVENT SHALL SELLER'S LIABILITY UNDER ANY CLAIM MADE BY BUYER EXCEED THE PURCHASE PRICE OF THE PRODUCTS.

7. Contingencies. Seller shall not be liable for any default or delay in performance if caused by circumstances beyond the reasonable control of Seller.

8. User Responsibility. The user, through its own analysis and testing, is solely responsible for making the final selection of the system and Product and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application and follow applicable industry standards and Product information. If Seller provides Product or system options, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the Products or systems.

9. Loss to Buyer's Property. Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

10. Special Tooling. A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture Products. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the Products, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless

otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

11. Buyer's Obligation; Rights of Seller. To secure payment of all sums due or otherwise, Seller shall retain a security interest in the goods delivered and this agreement shall be deemed a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect its security interest. Seller shall have a security interest in, and lien upon, any property of Buyer in Seller's possession as security for the payment of any amounts owed to Seller by Buyer.

12. Improper use and Indemnity. Buyer shall indemnify, defend, and hold Seller harmless from any claim, liability, damages, lawsuits, and costs (including attorney fees), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (a) improper selection, improper application or other misuse of Products purchased by Buyer from Seller; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Product; or (d) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.

13. Cancellations and Changes. Orders shall not be subject to cancellation or change by Buyer for any reason, except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage. Seller may change product features, specifications, designs and availability with notice to Buyer.

14. Limitation on Assignment. Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.

15. Entire Agreement. This agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of the agreement. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter are herein merged.

16. Waiver and Severability. Failure to enforce any provision of this agreement will not waive that provision nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidation of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.

17. Termination. This agreement may be terminated by Seller for any reason and at any time by giving Buyer thirty (30) days written notice of termination. In addition, Seller may by written notice immediately terminate this agreement for the following: (a) Buyer commits a breach of any provision of this agreement (b) the appointment of a trustee, receiver or custodian for all or any part of Buyer's property (c) the filing of a petition for relief in bankruptcy of the other Party on its own behalf, or by a third party (d) an assignment for

the benefit of creditors, or (e) the dissolution or liquidation of the Buyer.

18. Governing Law. This agreement and the sale and delivery of all Products hereunder shall be deemed to have taken place in and shall be governed and construed in accordance with the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to this agreement. Disputes between the parties shall not be settled by arbitration unless, after a dispute has arisen, both parties expressly agree in writing to arbitrate the dispute.

19. Indemnity for Infringement of Intellectual Property Rights. Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets, or similar rights except as provided in this Section. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets ("Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that a Product sold pursuant to this Agreement infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If a Product is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using the Product, replace or modify the Product so as to make it noninfringing, or offer to accept return of the Product and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to Products delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any Product sold hereunder. The foregoing provisions of this Section shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

20. Taxes. Unless otherwise indicated, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of Products.

21. Equal Opportunity Clause. For the performance of government contracts and where dollar value of the Products exceed \$ 10,000, the equal employment opportunity clauses in Executive Order 11246, VEVRRA, and 41 C.F.R. §§ 60-1.4(a), 60-741.5(a), and 60-250.4, are hereby incorporated.

01/09

传动与控制领域的先行者

传动与控制系统



主要市场

农业
建筑机械
分销
通用机械
机床
船舶
物料搬运
军事
采矿
石油天然气
发电
半导体
运输
卡车与巴士
草坪机械



主要产品

蓄能器
空气调节阀及干燥
插装阀
仪表盘
控制器及人机界面
冷却器
液压缸
伺服驱动泵
驱动器(直流/交流伺服电机)
电动执行器与定位器
电机和减速机
电液执行器
电液泵
电子显示器及人机界面
风扇驱动
摆线泵和摆线马达
气爪
螺旋摆动缸
液压阀
工业阀
集成静液传动系统
IO Link控制器
物联网
操纵杆
工程机械阀
柱塞泵及柱塞马达
气压缸
气动阀
取力器
旋转执行器
螺杆泵
传感器
软件
叶片泵及叶片马达

宇航



主要市场

售后服务
商用飞机
航空发动机
通用及公务航空
直升机
军用飞机
导弹
发电
支线运输机
无人驾驶飞行器

主要产品

飞行控制系统及组件
发动机系统及部件
流体传输系统及组件
流体测量、传输与雾化组件
燃油系统及组件
油箱惰化系统
液压系统及部件
滑油组件
气动控制组件
动力调节及管理系统
热管理
飞机机轮及刹车

流体连接件



主要市场

高空作业车
农业
散装化学品处理
建筑机械
食品及饮料
燃料及气体传输
工业机械
生命科学
船舶
采矿
行走机械
石油天然气
可再生能源
交通运输

主要产品

单向阀
诊断和IoT设备
软管接头
软管扣压机
工业软管
低压接头及过渡接头
聚四氟乙烯管
快换接头
橡胶和热塑软管
硬管接头及过渡接头
塑料接和接头

仪器仪表



主要市场

空调
可替代性燃料
分析
精细化工
柴油发动机
食品及饮料
工业机械
生命科学
微电子
石油天然气
炼油
制冷
运输

主要产品

蓄能器
分析仪表与样品预处理
系统
压缩天然气加气机
低温阀
电子阀
排放
过滤干燥器
流体系统及控制接头，
流量计，阀门，调压阀
及阀组
氟聚合物化学品输送用接
头，阀门及泵
高压接头，阀门，泵及
系统
高纯气体输送用接头，阀
门及调压阀
微型阀及泵
车载天然气燃料系统
调压阀
制冷及空气调节电子控制
和监测
电磁阀

过滤



主要市场

航空航天与国防
农业
建筑机械
食品与饮料
(HVAC)暖通空调
工业机械
生命科学
船舶
采矿
石油天然气
发电
可再生能源
运输
水净化

主要产品

航空航天过滤器与系统
空气污染控制&除尘系统&
过滤
压缩空气&气体处理解决
方案
发动机燃油，机油，空气
及闭式曲轴箱通风过滤
系统
过滤及净化系统
流体状态监测系统
燃气轮机进气过滤
暖通空调过滤
液压、润滑过滤器及系统
工业及分析气体发生器
仪器仪表过滤
膜纤维及烧结金属过滤
天然气过滤
制程液体、空气及气体
过滤
除菌空气过滤
水净化过滤及系统

工程材料



主要市场

航空航天
农业
化学处理
建筑机械
信息技术
生命科学
微电子
军事
石油天然气
发电
可再生能源
通信
运输
卡车与巴士

主要产品

动态密封
弹性O型圈
电磁防护
挤出和织物增强型密封
高温金属密封
弹性体成型件
医疗密封及组件
金属与塑料复合密封
精密密封件
热管理

派克汉尼汾在中国的联系方式

派克汉尼汾中国总部

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电话：+86-21-2899 5000

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