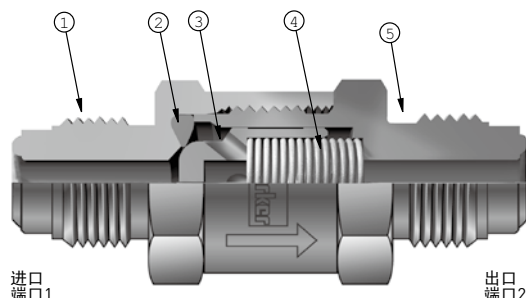


## 简介

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)

口径: ..... .078" ~ .656" (2.0 mm ~ 16.7 mm)

Cv: ..... 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 | Cv最大值 | 压降<br>ΔP |     | 水<br>@ 60°F (16°C) |       | 空气<br>@ 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。

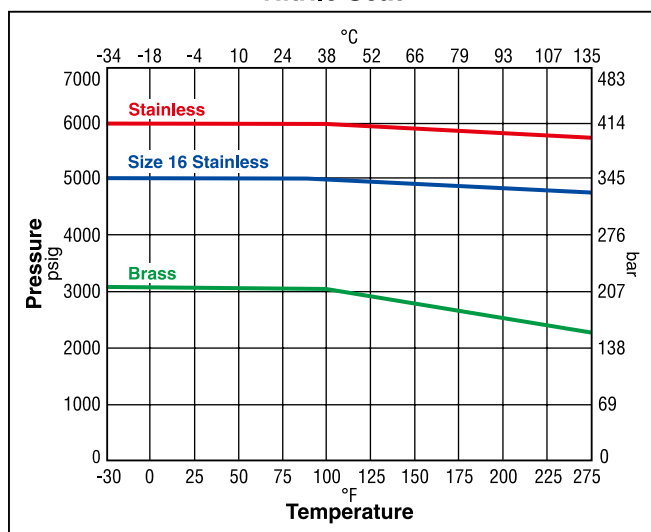
**Note:** 单向阀一段时间不开启后使用时最初开启压力会高于额定开启压力。

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。

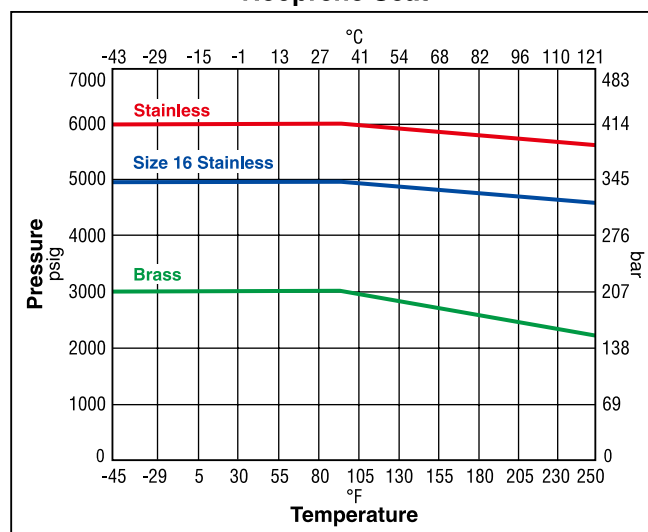
## 压力vs.温度

**Note:** 1 bar = 0.1 MPa

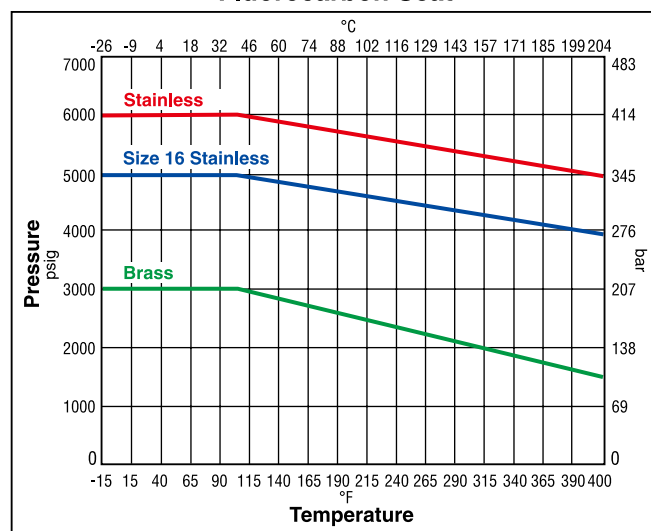
**Nitrile Seat**



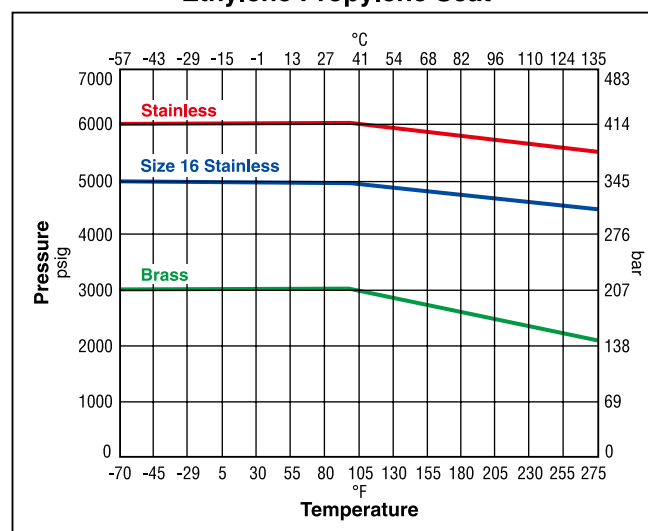
**Neoprene Seat**



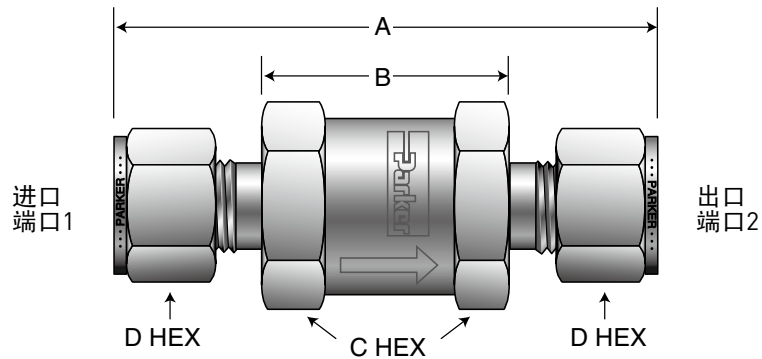
**Fluorocarbon Seat**



**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<br>端口1                   | 出口<br>端口2                   | 通径   |     | Cv   | X <sub>T</sub> * | 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 | -    | -    |
| 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 |

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。

## 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<br>端口1                   | 出口<br>端口2                   | 口径   |      | C <sub>v</sub> | X <sub>T</sub> * | A†   |       | B    |      | C     |      | D     |      |
|             |                             |                             | Inch | mm   |                |                  | Inch | mm    | Inch | mm   | Inch  | mm   | Inch  | mm   |
| 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<br>1 psi<br>5 psi<br>10 psi<br>25 psi<br>50 psi<br>75 psi<br>100 psi | 空白<br>BN<br>EPR<br>NE<br>**T<br>***KZ | 氟橡胶<br>丁腈橡胶<br>乙丙橡胶<br>氯丁橡胶<br>PTFE<br>高氟橡胶 | B<br>SS | Brass<br>316不锈钢 |      |  |
| 2F   | 2KF  | 2TA  | M3Z  | 2F                  | 2KF  | 2TA  | M3Z  |      |                                                                              |                                       |                                             |         |                 |      |  |
| 2F5  | 2KM  | 2Z   |      | 2F5                 | 2KM  | 2Z   |      |      |                                                                              |                                       |                                             |         |                 |      |  |
| 4A   | 4KF  | 4Q   | M6A  | 4A                  | 4KF  | 4Q   | M6A  | C4L  |                                                                              |                                       |                                             |         |                 |      |  |
| 4F   | 4KM  | 4TA  | M6Z  | 4F                  | 4KM  | 4TA  | M6Z  |      |                                                                              |                                       |                                             |         |                 |      |  |
| 4F5  | 4L   | 4V   |      | 4F5                 | 4L   | 4V   |      |      |                                                                              |                                       |                                             |         |                 |      |  |
| 4G5  | 4M   | 4Z   |      | 4G5                 | 4M   | 4Z   |      | C6L  |                                                                              |                                       |                                             |         |                 |      |  |
| 6A   | 6KF  | 6Q   | M8Z  | 6A                  | 6KF  | 6Q   | M8Z  |      |                                                                              |                                       |                                             |         |                 |      |  |
| 6F   | 6KM  | 6TA  | M10A | 6F                  | 6KM  | 6TA  | M10A |      |                                                                              |                                       |                                             |         |                 |      |  |
| 6F5  | 6L   | 6Z   | M10Z | 6F5                 | 6L   | 6Z   | M10Z | C8L  |                                                                              |                                       |                                             |         |                 |      |  |
| 6G5  | 6M   | M8A  |      | 6G5                 | 6M   | M8A  |      |      |                                                                              |                                       |                                             |         |                 |      |  |
| 8A   | 8KF  | 8Q   | M12A | 8A                  | 8KF  | 8Q   | M12A |      |                                                                              |                                       |                                             |         |                 |      |  |
| 8F   | 8KM  | 8TA  | M12Z | 8F                  | 8KM  | 8TA  | M12Z | C12L |                                                                              |                                       |                                             |         |                 |      |  |
| 8F5  | 8L   | 8V   |      | 8F5                 | 8L   | 8V   |      |      |                                                                              |                                       |                                             |         |                 |      |  |
| 8G5  | 8M   | 8Z   |      | 8G5                 | 8M   | 8Z   |      |      |                                                                              |                                       |                                             |         |                 |      |  |
| 12A  | 12KF | 12Q  | M20A | 12A                 | 12KF | 12Q  | M20A | C16L |                                                                              |                                       |                                             |         |                 |      |  |
| 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  |      |                                                                              |                                       |                                             |         |                 |      |  |
| 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