

诚信立足 · 创新致远  
BASED ON INTEGRITY, INNOVATION TOWIN

**FEISIT®**

产品选型手册  
Products Manual



 FEISIT®

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## |企业文化CORPORATE CULTURE

企业宗旨：诚信立足，创新致远

人才观：唯有聚英才，方可创辉煌

经营战略：质量立厂，品牌兴业，科技强企

发展目标：以品质赢市场，以创新求发展

企业精神：团结奋进，务实创新，超越自我，开创未来

企业标语：只为失败找原因，不为成功而骄傲

Business purposes: integrity based, innovation

Talent concept: only poly excellence, can create brilliant

Business strategy: quality Li plant, brand Societe Generale, strong scientific and technological enterprises

Development goals: to the quality to win the market, seek development by innovation

Enterprise spirit: unity, pragmatic innovation, beyond the self, and create the future

Enterprise slogan: only to find the reasons for the failure, not success and proud

## |公司简介 COMPANY PROFILE

费斯特气动成套有限公司是一家集研发、生产、销售为一体的专业气动企业，主要生产TPU.TPR.PE.PA空压软管、快速接头、气源处理器及其它气动产品。公司自创建以来，始终坚持以“高起点，高质量，高水准”的战略目标，立志成为本行业的典范。公司拥有先进的生产工艺和生产设备，专业的技术人才，高素质的职工队伍和完善的质量管理体系，并以诚信、专业赢取市场。

我们始终坚持“诚信立足，创新致远”的崇高理念，积极推进坚持改革创新，用微笑迎接新的机遇和挑战，用汗水促进企业蓬勃与发展，把费斯特真正建成国际化的大品牌。

Feisit Pneumatic Co., Ltd. is a professional enterprise engaged in R&D, production and marketing of pneumatic products, mainly produces TPU, TPR and PE PA tube quick connectors air source treatment and other pneumatic products. Since its foundation, Feisit has always insisted on the strategic policy of "high starting, high quality, high standard", devoted to becoming the apotheosis in the pneumatic industry. With the help of advanced production process, advanced production equipment, professional technical personnel, high quality staff as well as perfect quality management system, Feisit gained favorable market share with honest and professional operation.

Adhering to the great philosophy of "keeping a foothold with integrity, making progress with innovation", Feisit actively promotes reform and innovation, meets new opportunities and challenges with smile, makes efforts for enterprise's flourishing and development, and build Feisit into an worldwide famous brand.

## 费斯特公司拥有品牌：

**费斯特® FEISIT® FSITE® QELIC氣立克® ZHAKO新恭® CYKJ新尹柯井®**



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各种材质耐化学技术质量

**12 Each kind of material to bear chemistry technology quality**

美制及英制单位换算成SI单位

**12 The US standard and the British unit convert SI unit**



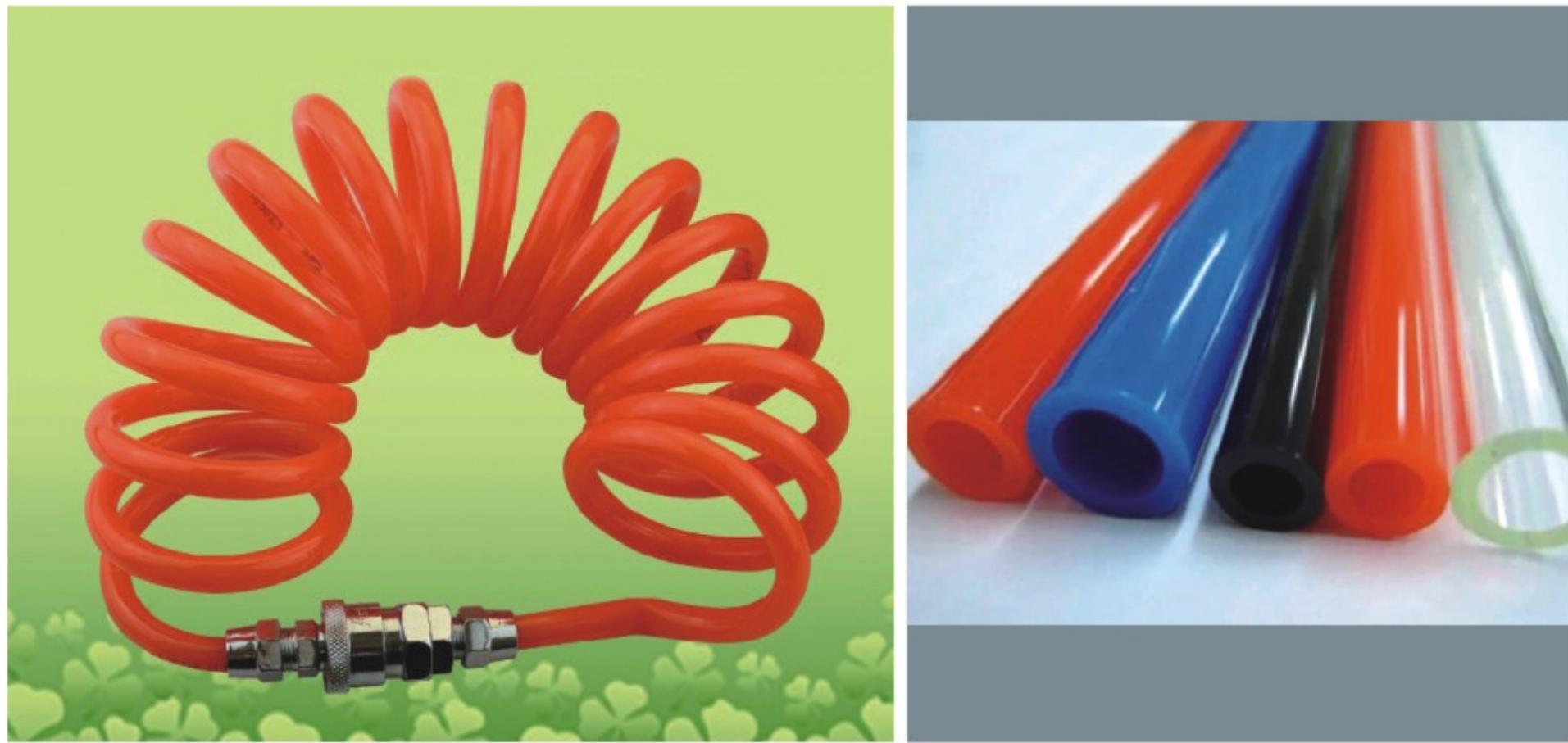
## | 装配和使用PU管注意事项：

1. 请首先目测或检测(在装配前或装配时), PU管外径和内径应该符合管身上标码的标准。PU管端的横切面壁厚应该符合管身上标码的标准。壁厚的计算是(外径 - 内径) ÷ 2=壁厚, 尺寸的误差标准是按国家或行业标准。
2. 请首先目测或检测(在装配前或装配时), PU管端的横切面壁厚是否均匀? 若发现误差范围以外的偏差可当试剪切一小段或多段后再检测, 检测合格后可以继续使用, 壁厚的不均匀可能令PU管受压后破裂。
3. 请首先检查(在装配前或装配时), PU管表面是否有气泡, 黑点或颗粒?若发现请重新对PU管仔细检查, 情况严重时请不要装配使用, 且立刻更换; 继续使用可能令PU管受压后破裂。
4. 请首先检查(在装配前或装配时), PU管表面是否出现吐口现象? PU管吐口特征: 手摸PU管时感觉粘稠, 且PU管外表色泽暗淡, 透明颜色的PU管变化为乳白色现象或颜色混浊, 已吐口的PU管会在多次折曲后断裂。对已出现吐口的PU管, 请不要装配使用, 应立即更换。
5. 裁切PU管应注意: 裁切PU管时请使用专业剪管器(不同于普通剪刀的使用效果)。使用专业剪管器裁切能保证PU管管口的横切面平整和圆度, 装配时应将PU管管口垂直插入接头按钮底部, 向外试拉一次以保证连接成功。
6. 工作时PU管与接头按钮中心线不要超过30度, 弯曲PU管时, 请注意各规格的最小弯曲半径要求, PU管的过分缠绕, 拉伸, 扭曲, 会直接影响工作压力, 甚至破裂。
7. 使用PU管时, 应注意“先进仓的先使用”。
8. 储存PU管时, 应储存在阴凉和通风的地方, 应避免阳光直射或长期堆放在潮湿的地方。



## NOTES FOR INSTALLATION AND UTILIZATION

1. Ensure that PU O.D and I.D shouod be fit to the standard size marked on the pipe. The wall thicknesss on the crosssection of PU cuttings should be meet the standard with the number marked on the pipe. The calculating methodology of wall thickness( $(o.d-i.d)/2$ )= wall thickness, The standard error is based on the National’ s standard.
2. Please test before proceed with an installation, to ensure the wall thickness on the cross-section whether it is smooth after being cut? Otherwise, it should be tested as if there is error being found out of the standard
3. Please test before proceed with an installation, Please don ’ t proceed with any installation or use it if there is bubble, or black point on the surface if pipe, and replace with new one immediately. It will bust if continually use it under the pressures.
4. Please test before proceed with an installation, to ensure whether not powder(do not spit out the wax).the feature of not spit out the wax: It feels stick when being touched by hands, and the surface color of PU looks in darkness, the clear PU pipe becomes milk cream color sulfate trubidity. The PU with spit out the wax result that should be cracked after twisted. don ’ t use the PU pipe as if has spitted out the wax.
5. Please use designated tubing cuttr to ensure the proper result after being cut. It can maintain the formation and circular on the cross-section of PU pipe if use the professional tubing cutter.
6. Please make sure the conjunction of PU pipe and central line of fittings button shouldn’ t exceed over 30 degree.
7. Please make sure to meet the requirement of minimum bend radius when bending PU pipe. Please note that the excision of stretch, bend and twist will affect on the working pressure and cause bust.
8. Please note: use the PU pipe whick it stock up previously and firstly  
Storage: Purchase a cool, dry storage temperature



## PU管使用过程中发涨和破裂的常见原因：

1. 工作环境温度和流体温度相应不同的爆破压力标准（建议参考专业的爆破压力检测数据或表格），爆破压力和工作压力的安全系数比是3:1），不在爆破压力标准范围内使用，或过高的温度，可能导致PU管部分位置(局部)发涨后破裂(呈气球状吹起)。
2. 长时间在最高工作压力下使用，可能会出现PU管外径整段均匀发涨现象，应及时跟踪发涨的变化，为了保证使用者的安全和防止PU管破裂，应该调低工作压力，或选择壁厚尺寸更大的规格，或选择适合的其它管类。
3. 当绝热压缩导致温度不正常的升高，PU管有可能破裂。
4. 应用于震动和弯曲和移动端时，热能传递致使温度上升，PU管有可能破袋。
5. 流体为热水，热油或带腐蚀性成份，可能导致材料加速老化而令PU管破裂。
6. PU管的水解，吐或老化，都可能令PU管出现龟裂现象。
7. 暴露于带火花或焊接工作环境时，请选用其它管类(例如耐火花双层管)。
8. 当系统必须防静电或电流时，请选用其它管类(例如防静电导电管)。
9. 当应用于积水，地下管道(包括霉菌生长环境)，户外阳光下，或长时间通水，请选用聚醚级耐水解PU管。

## THE COMMON REASON OF EXPLOSION OF PU PIPE

1. The working condition includes of environmental temperature and flowing objective temperature. Refer to the professional bust testing report, the safety figure of explosion pressure ad workig pressure is 3:1, It causes part of PU pipe will made up until explode as if it is being used execcding the standard of explosion,or over limited temperature.
- 2.The surface of PU pipe will appear like made up as result of it is being worked under its highest pressure for certain long time. Please adjust the working pressure accordingly if the above phenomenon found. Or choose another suitable type or size PU pipe.
- 3.With insulation in the outside world under comressed will cause the temperature climbs abnormally, further cause PU pipe explodes.
4. PU pipe also will bust as if heating transfers will cause temperature moving up when apply to ist moveable part under being bended.
- 5.PU pipe will damage as the objective is hot water or hot oil or with erosive material
- 6.PU pipe will crack after is turns out like spit out the wax or hydrolysis.
7. Please use anti-static power pipe when the system prevent anti-static power
9. Please use another type as if it intends to use under-ground, or it will expose under out-door sun or watery circum.

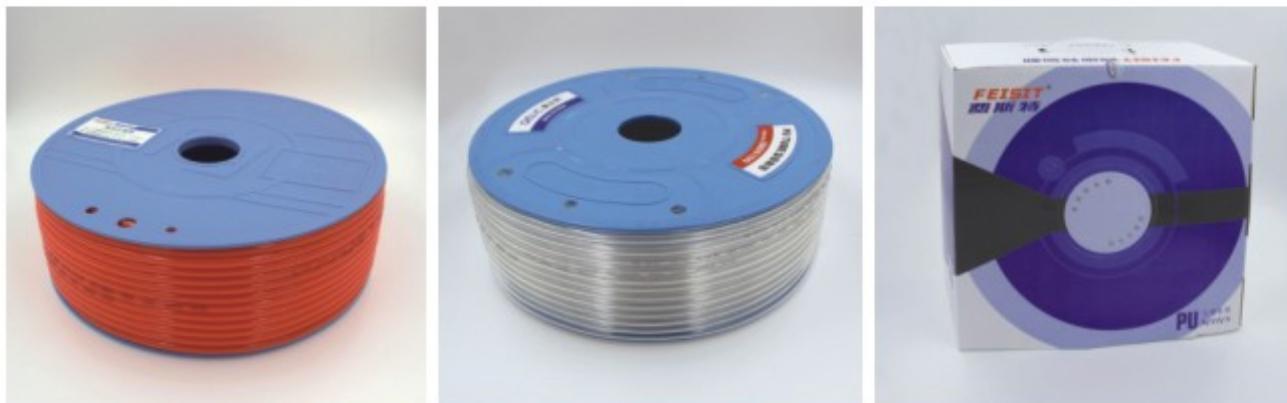
## PU软管的性能、特性、规格：

## PU HOSE THE PERFORMANCE, CHARACTERISTIC, SPECIFICATIONS:

| 性能数据                        |  | PERFORMANCE DATA   |  |
|-----------------------------|--|--|--|
| 温度范围：-40℃~+80℃              |  | Temperature Range: -40°C F to 175° F                     |  |
| 直径公差：±0.1mm~±0.15mm         |  | Diameter Tolerances: ±0.1mm to ±0.15mm                   |  |
| 硬度：95A, 98A                 |  | Hardness: 95A, 98A                                       |  |
| 抗张强度：400kgf/cm <sup>2</sup> |  | Tensile Strength: 5690 PSI                               |  |
| 极限伸长率：490~590%              |  | Elongation at Break: 490~590%                            |  |
| 耐磨损度：35mg                   |  | Abrasion: 35mg   |  |
| 撕裂强度：110kgf/cm <sup>2</sup> |  | Tearing Strength: 1565 PSI                               |  |
| 爆破压力与长时间工作压力安全系数比例为：3:1     |  | Safety Factor: 3:1                                       |  |
| 优良特性                        |  | SUPERIOR FEATURES  |  |
| 极好的柔韧性。                     |  | Extremely pliability.                                    |  |
| 弯曲半径少，耐绕曲。                  |  | Small bend radius, resistance to kink.                   |  |
| 有高弹回复记忆效应。                  |  | High elastic memory.                                     |  |
| 耐磨损，撕裂，撞击。                  |  | Resists abrasion, tearing and impact.                    |  |
| 可抵抗部分无腐蚀性化学物及油类。            |  | Resists oil and many chemicals with no erosive nature.   |  |
| 可流通易烧性物体，能熔接。               |  | Resists fuels and can be spliced.                        |  |
| 能100%焚化成灰，是认可的环保产物。         |  | 100% incineration, approved by scientific Ecology Group. |  |

| 产品编码<br>Item No.     | 尺寸 size                                   |      |              | 工作压力<br>Working Pressure | 破坏压力<br>Disruptive Pressure | 弯曲半径<br>Bevelling radius |    |  |  |
|----------------------|---|------|--------------|--------------------------|-----------------------------|--------------------------|----|--|--|
|                      | 外径×内径<br>Inside diameter × Outer diameter |      | 长度<br>Length |                          |                             |                          |    |  |  |
|                      | Mm  | Mm   |              |                          |                             |                          |    |  |  |
| 公制<br>METRIC SYSTEM  | FPU0302-200M                              | 3    | 2            | 200                      | 11                          | 34                       | 8  |  |  |
|                      | FPU0425-200M                              | 4    | 2.5          | 200                      | 12                          | 37                       | 10 |  |  |
|                      | FPU0503-200M                              | 5    | 3            | 200                      | 12                          | 37                       | 8  |  |  |
|                      | FPU0604-200M                              | 6    | 4            | 200                      | 10                          | 32                       | 15 |  |  |
|                      | FPU0805-100M                              | 8    | 5            | 100                      | 9                           | 30                       | 20 |  |  |
|                      | FPU0855-100M                              | 8    | 5.5          | 100                      | 8                           | 28                       | 20 |  |  |
|                      | FPU0806-100M                              | 8    | 6            | 100                      | 7                           | 22                       | 23 |  |  |
|                      | FPU1065-100M                              | 10   | 6.5          | 100                      | 8                           | 28                       | 25 |  |  |
|                      | FPU1008-100M                              | 10   | 8            | 100                      | 7                           | 22                       | 30 |  |  |
|                      | FPU1208-100M                              | 12   | 8            | 100                      | 8                           | 28                       | 35 |  |  |
|                      | FPU1209-100M                              | 12   | 9            | 100                      | 7                           | 22                       | 40 |  |  |
|                      | FPU1410-100M                              | 14   | 10           | 100                      | 7.5                         | 24                       | 45 |  |  |
|                      | FPU1612-100M                              | 16   | 12           | 100                      | 7                           | 22                       | 70 |  |  |
|                      | FPU1613-100M                              | 16   | 13           | 100                      | 6                           | 18                       | 80 |  |  |
| 英制<br>BRITISH SYSTEM | FPU1/8-200M                               | 3.2  | 2            | 200                      | 11                          | 34                       | 8  |  |  |
|                      | FPU5/32-200M                              | 4    | 2.5          | 200                      | 10                          | 32                       | 10 |  |  |
|                      | FPU1/4-200M                               | 6.35 | 4.57         | 200                      | 8                           | 28                       | 15 |  |  |
|                      | FPU5/16-100M                              | 8    | 5            | 100                      | 9                           | 30                       | 20 |  |  |
|                      | FPU3/8-100M                               | 9.6  | 6.5          | 100                      | 8                           | 28                       | 25 |  |  |
|                      | FPU1/2-100M                               | 12.6 | 9.6          | 100                      | 9                           | 30                       | 35 |  |  |

## PU软管/PU HOSE



### ◆产品特性

具有极好的柔软性，弯曲半径小，良好的抗震性；工作温度及工作压力范围宽。

具有极好的化学性能，压力损失极小；硬度恒定，使用寿命长。无毒，无味。可按需定颜色，易于管路识别。符合ROHS环保要求。

### ◆Product Characteristic

Has excellent flexibility, the beveling radius is small; Good anti-knockingproperty; The nature is light; The operating temperature and the workingpressure scope is wide;Has the excellent chemical properties. the pressure loss is minimum; Degree of hardness is constant, the service life is long.

Non-toxic, tasteless.Custom-made color is doable, easy pipeline recognition.

Conform to the ROHS environmental protection requirement.

### ◆产品用途

工业机器人、气动工具、装配厂。气压工具、带压输送管道。  
过水及其他流体。可用作真空吸管。

金属及电子产品的防护外套。装饰品（如提手等）。

温度范围：约-20℃至+70℃。

各种交货规格：可按需定制外径从1.5mm至35mm的任意规格。

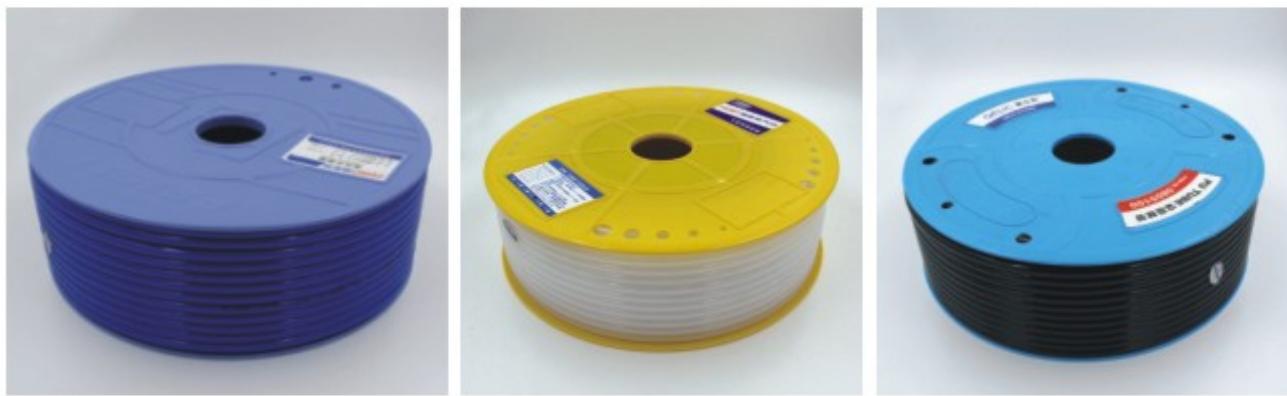
### ◆Product Use

Industry robot, pneumatic tool, assembly plant.Air Pressure Tool, the duct with pressure.Transport water and other liquid.

May be used as the vacuum sucker.Metal and electronic products protection coat.Ornament (for example: handle and so on).

Temperature Range: approximately -20°C+70°C.Specification: outer diameter range 1.5mm~35mm.

## 阻燃PU管/FLAME-RESISTANT HOSE



### ◆产品特性

在焊接等有火花的工作场合下使用的难燃性单层聚氨酯管，管子材料使用阻燃性聚氨酯，阻燃等级VO(UL94-VO)。

### ◆Product Characteristic

Flame-resistant single-deck pu hose can be used under soldering or sparkless condition, Hose material use flame-resistant polyurethane. Flame-resistant degree: V0(UL94-V0).

### ◆产品用途

在焊接等有火花的工作场合下使用。

### ◆Product Characteristic

Suits for use under the working condition with spark.

## 高性能耐用PU管 / HIGH PERFORMANCE DURABLE PU TUBE



### ◆ 产品特性

耐水解，耐微生物降解，广泛应用于潮湿、积水、地下管道等环境(包括霉菌生长环境);  
耐UV达3.5级以上，防紫外线，耐黄变，可应用于户外设施，更耐用，保持光亮色泽;  
耐磨损，耐撕裂，耐拉伸，其抗冲击力强度和抗张抗拉强度值高，抗老化性能好;  
耐风蚀，耐低温绕曲，在低温环境下，屈曲绕性较一般级PU软管更强;  
对油类和非强级别的溶剂有极强的抵抗作用;  
98A的硬度，强韧耐压性更高，常温下工作压力达13kgf/cm<sup>2</sup>;  
选择透明系列产品，更易于观察管内流体的工作情况;  
同等条件的环境下使用，对比一般级PU软管，更耐用(使用寿命更长)，更美观。

### ◆ High-performance durable hose(Polyether-chass)

Of water, microbes resistant to degradation, widely used in humid, stagnant water, underground pipelines, such as the environment(including mold production environment);  
UV-resistant up to 3.5 above, anti-ularaviolet, yellowing resistance, can be used in outdoor facilities, more durable, and maintain bright color;  
Resistant to wear and tear-resistant, resistant to stretching, its imant strength and value of high temsile strength, good anti-aging properties;  
Resistant to wind erosion, low-temperature-resistant around the song, in the low-temperature environment, around the buckling of a more general level PU hose;  
Of oil and non-strong class of solvents are very strong resistance;  
98A of the strength, robust pressure of higher and work under pressure at room temperature up to 13 kgf/cm<sup>2</sup>;  
Choose transparent products, to better observe the work of the fluid situation;  
Under the same conditions of use, general-PU hose contrast, more durable(longer life), more handsome.

## 食品级PU透明管 / FOOD LEVEL PU HOSE



### ◆ 产品特性

除具有PU标准管的特性外，还有具有：符合FDA认证。耐水解。

### ◆ 产品用途

儿童玩具配件。输送食物及液体的管路。

### ◆ Product Characteristic

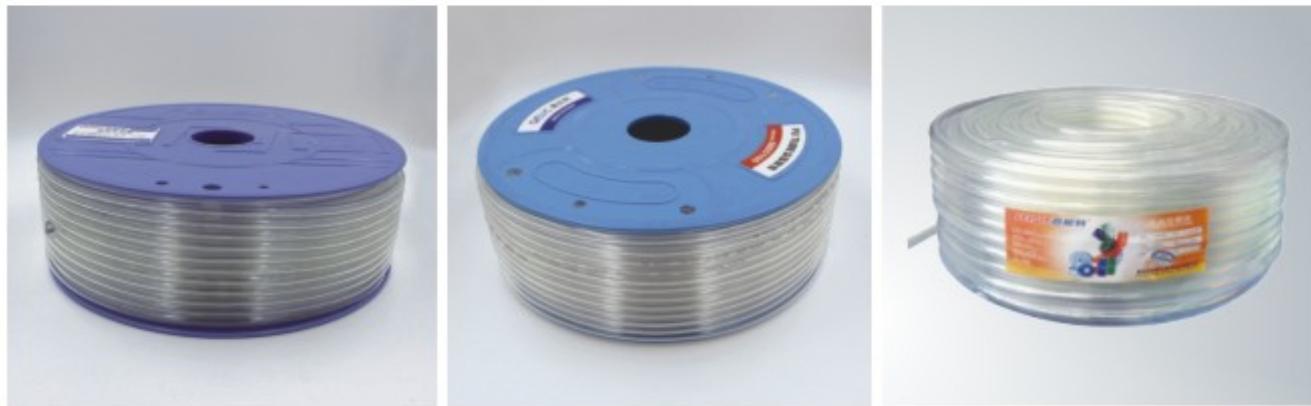
Besides the property of PU standard hose, it also has following:  
Conform to FDA authentication.Resist the hydrolysis.

### ◆ Product Use

Child toy fittings.Pipeline for transport food and liquid.

| 产品编码<br>Item No. | 尺寸 size                                     |    |              | 工作压力<br>Working Pressure | 破坏压力<br>Disruptive Pressure | 弯曲半径<br>Bevelling radius |
|------------------|---|----|--------------|--------------------------|-----------------------------|--------------------------|
|                  | 外径 × 内径<br>Inside diameter × Outer diameter |    | 长度<br>Length |                          |                             |                          |
|                  | Mm  | Mm | M            | kgf/cm <sup>2</sup>      | kgf/cm <sup>2</sup>         | Mm                       |
| 公制 METRIC SYSTEM | FTUN0425-200M                               | 4  | 2.5          | 200                      | 12                          | 37                       |
|                  | FTUN0604-200M                               | 6  | 4            | 200                      | 10                          | 32                       |
|                  | FTUN0855-100M                               | 8  | 5.5          | 100                      | 8                           | 28                       |
|                  | FTUN1065-100M                               | 10 | 6.5          | 100                      | 8                           | 28                       |
|                  | FTUN1208-100M                               | 12 | 8            | 100                      | 8                           | 28                       |
|                  | FTUN1410-100M                               | 14 | 10           | 100                      | 7.5                         | 24                       |
|                  | FTUN1612-100M                               | 16 | 12           | 100                      | 7                           | 22                       |

## 耐水解PU管 / HYDROL YSIS RESISTANT HOSE



### ◆ 产品特性

除具有PU标准管的特性外，还有具有：  
极佳的抗湿性能，抗细菌侵蚀性能。  
透明管可直接看清管内流体。

### ◆ Product Characteristic

Besides the property of PU standard hose, it also has following:  
Extremely good anti-wet performance antibacterial corrosion performance.  
May see the liquid in the tube directly and clearly through transparent hose.

### ◆ 产品用途

液体环境使用。  
过海水等特殊液体使用。

### ◆ Product Use

Use for liquid environment.  
Transport seawater and other special liquid.

## PA 尼龙软管 / PA Nylon HOSE



### ◆ 产品特性

具有质轻，柔软，耐压和良好的耐应力开裂性，动态疲劳性，  
能耐酸碱和一般的溶济，工作温度范围宽，能随意弯曲易安装，  
操作简单，无毒无味。

### ◆ Product Characteristic

Is light, soft, pressure resistance and good resistance to stress cracking  
resistance, dynamic fatigue, Acid alkali and general solvent, wide  
working temperature range, can be bent easily installed,  
The operation is simple, non-toxic and tasteless.

### ◆ 产品用途

各种机械输油，输液管，刹车管，气动工具，带压输送管道，  
可替代铜，钢，橡胶的理想产品。  
工作温度范围-40°C ~ +100°C

### ◆ Product Use

A variety of mechanical oil, a transfusion pipe, brake pipe, pneumatic  
tools, pressure pipeline, Can replace the copper, steel, rubber products  
ideal. The working temperature range of -40 DEG ~ +100 DEG

| 产品编码<br>Item No.    | 尺寸 size                                     |    |              | 工作压力<br>Working Pressure | 破坏压力<br>Disruptive Pressure | 工作温度范围<br>Working temperature |
|---------------------|---|----|--------------|--------------------------|-----------------------------|-------------------------------|
|                     | 外径 x 内径<br>Inside diameter x Outer diameter |    | 长度<br>Length |                          |                             |                               |
|                     | Mm  | Mm | M            | kgf/cm <sup>2</sup>      | kgf/cm <sup>2</sup>         | °C                            |
| 公制<br>METRIC SYSTEM | FPA0425                                     | 4  | 2.5          | 200                      | 35                          | 102                           |
|                     | FPA0604                                     | 6  | 4            | 200                      | 27                          | 81                            |
|                     | FPA0806                                     | 8  | 6            | 100                      | 19                          | 57                            |
|                     | FPA1075                                     | 10 | 7.5          | 100                      | 20                          | 57                            |
|                     | FPA1008                                     | 10 | 8            | 100                      | 19                          | 55                            |
|                     | FPA1209                                     | 12 | 9            | 100                      | 19                          | 57                            |
|                     | FPA1210                                     | 12 | 10           | 100                      | 17                          | 52                            |
|                     | FPA1411                                     | 14 | 11           | 100                      | 20                          | 56                            |
|                     | FPA1612                                     | 16 | 12           | 100                      | 19                          | 57                            |

-40~ +100

## PU螺旋管(弹簧管) /PU HOSE



### ◆产品特性

除具有PU管特性外，还具有：

弹性好、伸缩自如，使用方便，节省空间。

吸收冲击及减少管路摩擦。

常备规格外的弹簧之选购可由客户决定如下项目数据：

规格，颜色，尾部长度，盘绕圈外径，螺旋部分总长

### ◆Product Characteristic

Besides the tube characteristic, it also has:

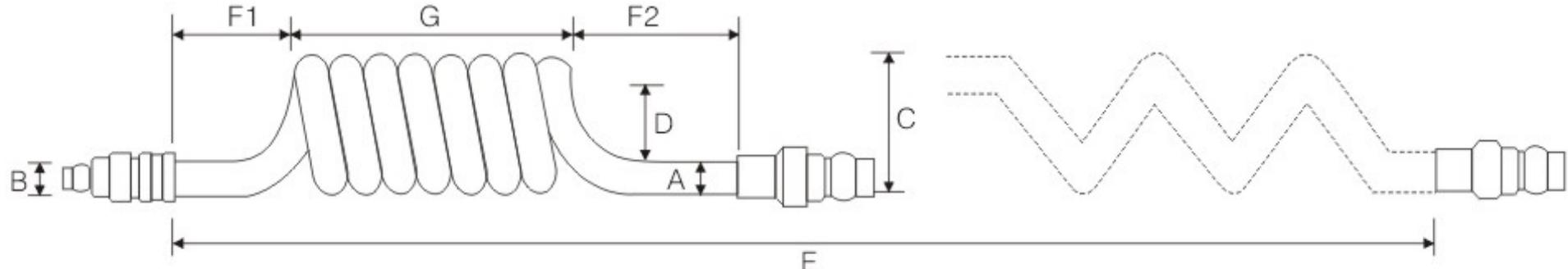
Good elasticity, is easy to operate, saves the space.

Absorbing impact and reduces the pipeline to rub.

Custom-made specification and size are doable.

Custom of orders coils with other sizes, colors, tail lengths, retractor lengths,

coil diameters and retracted length are welcome



A 外径 Tubing O.D B 内径 Tubing I.D C 盘绕圈外径 Coil O.D D 盘绕圈内径 Coil I.D  
E 总成 Coil Length F 尾部长度 Tail Length(F1 F2) G 螺旋压缩部分长度 Retracted Length

| 产品编码<br>Item No. | 尺寸 size                                     |     |              | 工作压力<br>Working Pressure | 破坏压力<br>Disruptive Pressure | 工作温度范围<br>Working temperature |
|------------------|---|-----|--------------|--------------------------|-----------------------------|-------------------------------|
|                  | 外径 × 内径<br>Inside diameter × Outer diameter |     | 长度<br>Length |                          |                             |                               |
|                  | Mm  | Mm  | M            | kgf/cm <sup>2</sup>      | kgf/cm <sup>2</sup>         | °C                            |
| FTL0302-□M       | 3   | 2   | 3,6,9,12,15  | 11                       | 34                          |                               |
| FTL0425-□M       | 4   | 2.5 | 3,6,9,12,15  | 12                       | 37                          |                               |
| FTL0604-□M       | 6   | 4   | 3,6,9,12,15  | 10                       | 32                          |                               |
| FTL0805-□M       | 8   | 5   | 3,6,9,12,15  | 9                        | 30                          |                               |
| FTL1065-□M       | 10  | 6.5 | 3,6,9,12,15  | 8                        | 28                          |                               |
| FTL1208-□M       | 12  | 8   | 3,6,9,12,15  | 8                        | 28                          |                               |
| FTL1410-□M       | 14  | 10  | 3,6,9,12,15  | 7.5                      | 24                          |                               |
| FTL1612-□M       | 16  | 12  | 3,6,9,12,15  | 7                        | 22                          |                               |

### ◆提示

壁厚和承载物的重力都会影响弹簧的弹力回复。  
盘绕圈直径小，弹簧管会有良好的伸缩性。  
盘绕圈直径大，弹簧管会易于伸展和使用。  
如需要更好更强的弹性，可以将弹簧管的其中一尾端从中间穿过弹簧管，  
从另一端拉出。（它的工作长度会相应减短）

### ◆HINTS:

A coil's retract ability is affected by coil's wall thickness and the mass weight.  
Excellent retract ability is affected by the small diameter.  
The big diameter coil could be easy to stretch and used comfortably.  
If you want a stronger elasticity, let one tail go through the middle of coil, pull it out at another end of coil.(The coil's length of working could be shorter.)

## TPR(TPE) 软管 / TPR(TPE) HOSE



### ◆ 产品特性

具有橡胶的弹性，工程塑料的强度及很好的韧性，低温度-20℃下保持其弹性，高温100℃下仍保留良好的机械性能，对蠕变、冲击和挠曲疲劳具极高抗阻力。可抵抗油，燃料、溶剂及多种其他化学品。

### ◆ Product Characteristic

Characteristic: Has the rubber elasticity, the engineering plastics intensity and the excellent toughness. Maintained its elasticity under the low temperature -20°C, and still retained the good mechanical property under the high temperture 100°C. To the slow change, the impact and the bending fatigue have the extremely high resistance. May resist the oil, the fuel, the solvent and many kinds of other chemicals.

### ◆ 产品用途

精密电缆、汽车油管、溶剂管及各类导管。

### ◆ Product Use

Application: Precision electric cable, automobile vitta, solvent tube and all kinds of pipe.

| 产品编码<br>Item No.     | 尺寸 size                                     |      |                   | 工作压力<br>Working Pressure<br>kgf/cm <sup>2</sup> | 破坏压力<br>Disruptive Pressure<br>kgf/cm <sup>2</sup> |  |  |
|----------------------|---|------|-------------------|---|--|--|--|
|                      | 外径 × 内径<br>Inside diameter × Outer diameter |      | 长度<br>Length<br>M |   |  |  |  |
|                      | Mm  | Mm   |                   |   |  |  |  |
| 公制<br>METRIC SYSTEM  | TPR0302-200M                                | 3    | 2                 | 200   | 10   |  |  |
|                      | TPR0425-200M                                | 4    | 2.5               | 200   | 10   |  |  |
|                      | TPR0503-200M                                | 5    | 3                 | 200   | 10   |  |  |
|                      | TPR0604-200M                                | 6    | 4                 | 200   | 10   |  |  |
|                      | TPR0805-100M                                | 8    | 5                 | 100   | 10   |  |  |
|                      | TPR0855-100M                                | 8    | 5.5               | 100   | 8  |  |  |
|                      | TPR1065-100M                                | 10   | 6.5               | 100   | 8  |  |  |
| 英制<br>BRITISH SYSTEM | TPR1208-000M                                | 12   | 8                 | 100   | 8  |  |  |
|                      | TPR1410-100M                                | 14   | 10                | 100   | 8  |  |  |
|                      | TPR1612-100M                                | 16   | 12                | 100   | 8  |  |  |
|                      | TPR1613-100M                                | 16   | 13                | 100   | 6  |  |  |
|                      | TPR1/8-200M                                 | 3.2  | 2                 | 200   | 10   |  |  |
|                      | TPR5/32-200M                                | 4    | 2.5               | 200   | 10   |  |  |
|                      | TPR1/4-200M                                 | 6.35 | 4.57              | 200   | 8  |  |  |
|                      | TPR5/16-100M                                | 8    | 5                 | 100   | 10   |  |  |
|                      | TPR3/8-100M                                 | 9.6  | 6.5               | 100   | 8  |  |  |
|                      | TPR1/2-100M                                 | 12.6 | 9.6               | 100   | 8  |  |  |

## TPR螺旋管(弹簧管) / TPR HOSE



### ◆产品特性

除具有TPR管特性外，还具有：弹性好、伸缩自如，使用方便，节省空间。吸收冲击及减少管路磨擦。规格及尺寸可按需求定制

### ◆Product Characteristic

Besides the tube characteristic, it also has: Good elasticity, is easy to operate, saves the space.  
Absorbing impact and reduces the pipeline to rub. Custom-made specification and size are doable.

| 产品编码<br>Item No. | 尺寸 size                                   |     |              | 工作压力<br>Working Pressure | 破坏压力<br>Disruptive Pressure | 工作温度范围<br>Working temperature |  |  |  |
|------------------|---|-----|--------------|--------------------------|-----------------------------|-------------------------------|--|--|--|
|                  | 外径×内径<br>Inside diameter × Outer diameter |     | 长度<br>Length |                          |                             |                               |  |  |  |
|                  | Mm  | Mm  |              |                          |                             |                               |  |  |  |
| FRL0302-□M       | 3   | 2   | 3,6,9,12,15  | 10                       | 24                          | -20~+65                       |  |  |  |
| FRL0425-□M       | 4   | 2.5 | 3,6,9,12,15  | 10                       | 24                          |                               |  |  |  |
| FRL0604-□M       | 6   | 4   | 3,6,9,12,15  | 10                       | 24                          |                               |  |  |  |
| FRL0805-□M       | 8   | 5   | 3,6,9,12,15  | 9                        | 24                          |                               |  |  |  |
| FRL1065-□M       | 10  | 6.5 | 3,6,9,12,15  | 8                        | 24                          |                               |  |  |  |
| FRL1208-□M       | 12  | 8   | 3,6,9,12,15  | 8                        | 24                          |                               |  |  |  |
| FRL1410-□M       | 14  | 10  | 3,6,9,12,15  | 8                        | 24                          |                               |  |  |  |
| FRL1612-□M       | 16  | 12  | 3,6,9,12,15  | 8                        | 24                          |                               |  |  |  |

## 常用产品颜色对照表 / COMMON PRODUCT COLOR COMPARISON TABLE:

| ① 橙 orange        | 外径(mm)<br>O.D(mm) | 内径(mm)<br>I.D(mm) | 长度(mm)<br>Length<br>(mm) | 壁厚(mm)<br>Thickness<br>(mm) | 常用颜色<br>colors Available | 净重(kg)<br>Net Weight<br>(lbs) | 最小弯曲半径(mm)<br>Min Bend Radius<br>(mm) |
|-------------------|-------------------|-------------------|--------------------------|-----------------------------|--------------------------|-------------------------------|---------------------------------------|
|                   |                   |                   |                          |                             |                          |                               |                                       |
| ② 深蓝 nay bule     | 3                 | 2                 | 200                      | 0.5                         | ①②③⑤                     | 1.4/3.08                      | 8                                     |
|                   | 4                 | 2                 | 200                      | 1                           | ①②③⑤                     | 2.6/5.72                      | 8                                     |
| ③ 透明 transparent  | 4                 | 2.5               | 200                      | 0.75                        | ①②③⑤                     | 2.1/4.63                      | 10                                    |
|                   | 5                 | 3                 | 200                      | 1                           | ①②③⑤                     | 3.3/7.27                      | 12                                    |
| ④ 黄 yellow        | 6                 | 4                 | 200                      | 1                           | ①②③⑤⑥⑦⑧                  | 4.1/9.04                      | 15                                    |
|                   | 8                 | 5                 | 100                      | 1.5                         | ①②③⑤⑥⑦⑧                  | 3.9/8.58                      | 19                                    |
| ⑤ 黑 black         | 8                 | 5.5               | 100                      | 1.25                        | ①②③⑤                     | 3.4/7.5                       | 20                                    |
|                   | 8                 | 6                 | 100                      | 1                           | ①②③⑤                     | 2.95/6.5                      | 24                                    |
| ⑥ 透明蓝 trans blue  | 10                | 6.5               | 100                      | 1.75                        | ①②③⑤⑥⑦⑧                  | 5.71/12.57                    | 25                                    |
|                   | 10                | 8                 | 100                      | 1                           | ①②③⑤                     | 4.7/10.36                     | 35                                    |
| ⑦ 红 red           | 12                | 8                 | 100                      | 2                           | ①②③⑤⑥⑦⑧                  | 7.83/17.23                    | 37                                    |
|                   | 14                | 10                | 100                      | 2                           | ①②③⑤                     | 10.1/22.26                    | 56                                    |
| ⑧ 透明绿 trans green | 16                | 12                | 100                      | 2                           | ①②③⑤                     | 12.1/26.68                    | 60                                    |
|                   | 16                | 13                | 100                      | 1.5                         | ①②③⑤                     | 10.24/22.53                   | 60                                    |
| ① 橙 orange        | 1/8               | 0.066"            | 200                      | 0.75                        | ①②③⑤                     | 1.76/3.87                     | 1/4                                   |
|                   | 3/16              | 0.118"            | 200                      | 0.88                        | ①②③⑤                     | 3.0/6.6                       | 3/8                                   |
| ② 深蓝 nay bule     | 1/4               | 0.17"             | 200                      | 1.02                        | ①②③⑤                     | 4.4/9.8                       | 1/2                                   |
|                   | 3/8               | 1/4               | 100                      | 1.59                        | ①②③⑤                     | 4.85/10.67                    | 1"                                    |
| ③ 透明 transparent  | 1/2               | 0.32"             | 100                      | 2.24                        | ①②③⑤                     | 8.9/19.58                     | 1 1/2                                 |

## 吹尘工具(气枪)/ DUST BLOWN TOOLS (GUN)



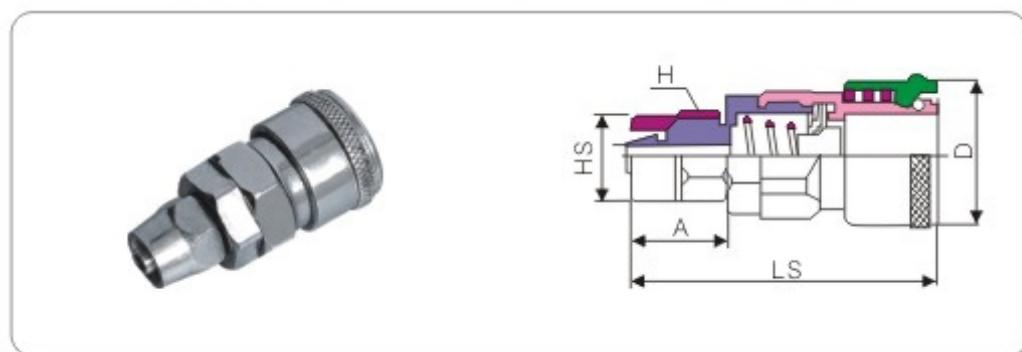
| 型号 Type      |         |
|--------------|---------|
| 气枪 / Air Gun |         |
| FAP-TS       | FDG-10  |
| FAP-TS-L     | FDG-10H |

## 胶管切割器 / TUBE CUTTER

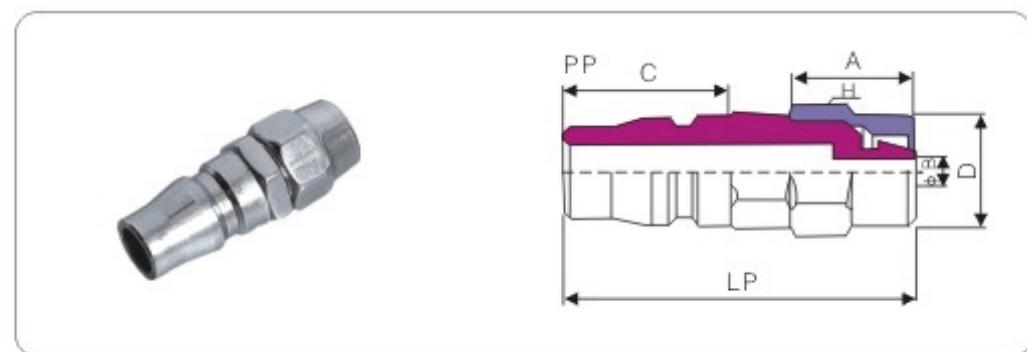


| 型号 Type             |  |
|---------------------|--|
| 胶管切割器 / TUBE Cutter |  |
| FQG-10              |  |

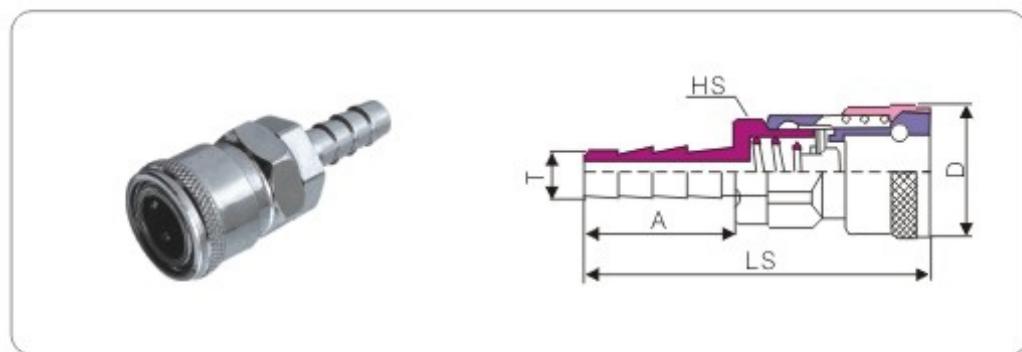
## 快速接头 / QUICK CONNECTOR



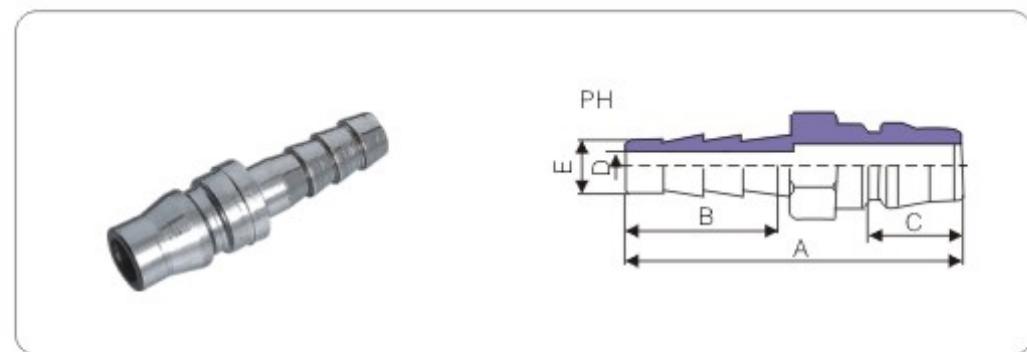
| 型号 Type   | SP-10   | SP-20   | SP-30      | SP-40    |
|-----------|---------|---------|------------|----------|
| 配管Adapter | 4x6HOSE | 5x8HOSE | 6.5x10HOSE | 8x12HOSE |
| A         | 14.5    | 14.5    | 15         | 17.5     |
| B         | 3.5     | 3.5     | 4.8        | 5.5      |
| D         | 26      | 26      | 26         | 26       |
| E         | 13.3    | 13.3    | 13.3       | 15.8     |
| H         | 14H     | 14H     | 15H        | 19H      |
| T         | 55.3    | 55.3    | 57         | 58.8     |



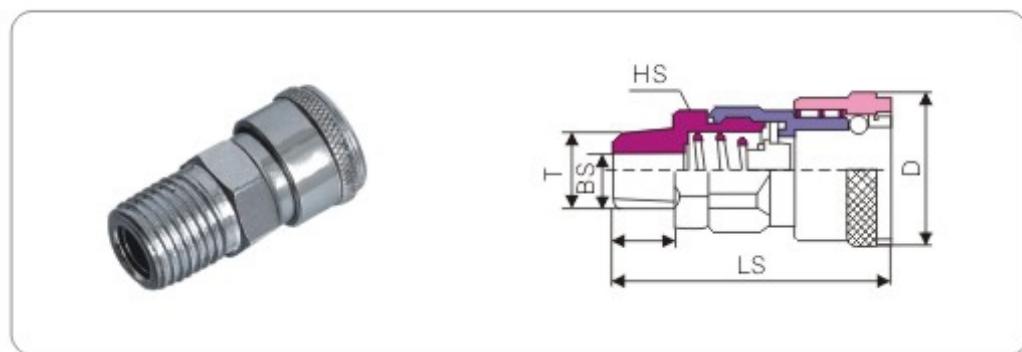
| 型号 Type   | PP-10A  | PP-20A  | PP-30A      | PP-40A   |
|-----------|---------|---------|-------------|----------|
| 配管Adapter | 4x6HOSE | 5x8HOSE | 6.5x9.5HOSE | 8x12HOSE |
| A         | 2.9     | 2.9     | 3           | 5.2      |
| D         | 13.3    | 13.3    | 13.2        | 15.8     |
| H         | 14H     | 14H     | 15H         | 19H      |



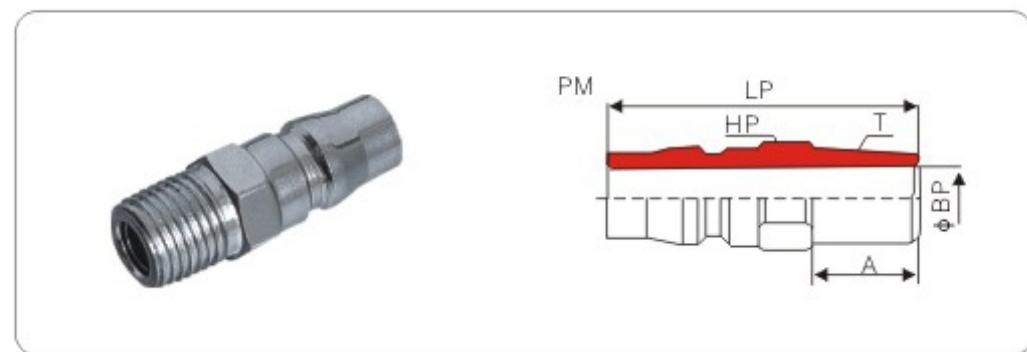
| 型号 Type   | SH-10   | SH-20    | SH-30   | SH-40   |
|-----------|---------|----------|---------|---------|
| 配管Adapter | 1/4HOSE | 5/16HOSE | 3/8HOSE | 1/2HOSE |
| A         | 26      | 26       | 26      | 26      |
| D         | 26      | 26       | 26      | 26      |
| HS        | 19H     | 19H      | 19H     | 21H     |
| LS        | 66.8    | 66.8     | 66.8    | 66.8    |
| T         | 7       | 9        | 11      | 13.5    |



| 型号 Type   | PH-10   | PH-20    | PH-30   | PH-40   |
|-----------|---------|----------|---------|---------|
| 配管Adapter | 1/4HOSE | 5/16HOSE | 3/8HOSE | 1/2HOSE |
| A         | 52.8    | 52.8     | 52.5    | 52.3    |
| B         | 24      | 24       | 24      | 24      |
| D         | 4.9     | 4.9      | 7.2     | 7       |
| E         | 9       | 9        | 9.8     | 12.6    |



| 型号 Type | SM-10 | SM-20 | SM-30 | SM-40 |
|---------|-------|-------|-------|-------|
| A       | 9.4   | 9.4   | 9.4   | 9.4   |
| BS      | 6     | 6     | 6     | 6     |
| D       | 26    | 26    | 26    | 26    |
| HS      | 19H   | 19H   | 19H   | 19H   |
| LS      | 50.2  | 55.8  | 55.8  | 57.3  |
| T       | 1/8PT | 1/4PT | 3/8PT | 1/2PT |



| 型号 Type | PM-10A | PM-20A | PM-30A | PM-40A |
|---------|--------|--------|--------|--------|
| A       | 13.8   | 13.8   | 14.2   | 18     |
| HP      | 14H    | 14H    | 17H    | 21H    |
| LP      | 40.8   | 40.8   | 41.2   | 43.8   |
| T       | 1/8PT  | 1/4PT  | 3/8PT  | 1/2PT  |

## 快速接头 / QUICK CONNECTOR



| 金属接头   |       |
|--------|-------|
| 型号     | 型号    |
| FSML-2 | FML-2 |
| FSML-3 | FML-3 |
| FSML-4 | FML-4 |
| FSML-5 | FML-5 |
|        |       |
|        |       |
|        |       |
|        |       |



| 金属接头     |         |
|----------|---------|
| 型号       | 型号      |
| FSMY-圆三通 | FSV-圆二通 |
|          |         |
|          |         |
|          |         |
|          |         |
|          |         |



| 型号     |          |
|--------|----------|
| FPU-直通 | FPG-变径直通 |
| FPU-4  | FPG6-4   |
| FPU-6  | FPG8-6   |
| FPU-8  | FPG10-8  |
| FPU-10 | FPG12-10 |
| FPU-12 | FPG8-4   |
| FPU-16 | FPG10-6  |
|        | FPG12-8  |
|        | FPG16-12 |



| 型号     |        |
|--------|--------|
| FPE-三通 | FPY-三通 |
| FPE-4  | FPY-4  |
| FPE-6  | FPY-6  |
| FPE-8  | FPY-8  |
| FPE-10 | FPY-10 |
| FPE-12 | FPY-16 |
| FPE-16 |        |
|        |        |
|        |        |



| 型号      |            |
|---------|------------|
| FPV-型二通 | FPX-Y型螺纹三通 |
| FPV-4   | FPX4-M5    |
| FPV-6   | FPX4-01    |
| FPV-8   | FPX4-02    |
| FPV-10  | FPX6-M5    |
| FPV-12  | FPX6-01    |
| FPV-16  | FPX6-02    |
|         | FPX6-03    |
|         | FPX6-04    |
|         | FPX8-01    |
|         | FPX8-02    |
|         | FPX8-03    |
|         | FPX12-02   |
|         | FPX12-03   |
|         | FPX12-04   |



| 型号        |         |
|-----------|---------|
| FPWB-螺纹五通 | FPXL-四通 |
| FPWB4-01  | FPXL-4  |
| FPWB4-02  | FPXL-6  |
| FPWB6-01  | FPXL-8  |
| FPWB6-02  | FPXL-10 |
| FPWB6-03  | FPXL-12 |
| FPWB8-01  |         |
| FPWB8-02  |         |
| FPWB8-03  |         |



| 型号           |           |
|--------------|-----------|
| FPLF-L型内螺纹二通 | FPLL-弯头加长 |
| FPLF4-M5     | FPLF8-01  |
| FPLF4-01     | FPLF12-02 |
| FPLF4-02     | FPLF12-03 |
| FPLF6-M5     | FPLF8-04  |
| FPLF6-01     | FPLF16-02 |
| FPLF6-02     | FPLF16-03 |
| FPLF6-03     | FPLF16-04 |
| FPLF6-04     | FPLF10-01 |
|              | FPLF10-02 |
|              | FPLF10-03 |
|              | FPLF10-04 |
|              | FPLL4-M5  |
|              | FPLL8-01  |
|              | FPLL8-02  |
|              | FPLL8-03  |
|              | FPLL12-02 |
|              | FPLL12-03 |
|              | FPLL12-04 |
|              | FPLL16-02 |
|              | FPLL16-03 |
|              | FPLL16-04 |
|              | FPLL16-06 |
|              | FPLL16-07 |
|              | FPLL16-08 |
|              | FPLL16-09 |
|              | FPLL16-10 |



| 型号         |           |
|------------|-----------|
| FPCF-内螺纹直通 | FPM-隔板直通  |
| FPCF4-M5   | FPCF8-01  |
| FPCF4-01   | FPCF12-02 |
| FPCF4-02   | FPCF12-03 |
| FPCF6-M5   | FPCF8-04  |
| FPCF6-01   | FPCF16-02 |
| FPCF6-02   | FPCF16-03 |
| FPCF6-03   | FPCF16-04 |
| FPCF6-04   | FPCF10-01 |
|            | FPCF10-02 |
|            | FPCF10-03 |
|            | FPCF10-04 |
|            | FPM-4     |
|            | FPM-6     |
|            | FPM-8     |
|            | FPM-10    |
|            | FPM-12    |
|            | FPM-16    |
|            | FPM-20    |



| 型号          |          |
|-------------|----------|
| FLSA-管道型节流阀 | FSL-节流阀  |
| FLSA-4      | FSL4-M5  |
| FLSA-6      | FSL4-01  |
| FLSA-8      | FSL4-02  |
| FLSA-10     | FSL6-M5  |
| FLSA-12     | FSL6-01  |
|             | FSL8-02  |
|             | FSL8-03  |
|             | FSL12-02 |
|             | FSL12-03 |
|             | FSL12-04 |
|             | FSL6-04  |
|             | FSL10-01 |
|             | FSL10-02 |
|             | FSL10-03 |
|             | FSL10-04 |



| 型号     |           |
|--------|-----------|
| BSL消声器 | FPH-外六角接头 |
| BSL-01 | FPH4-M5   |
| BSL-02 | FPH4-01   |
| BSL-03 | FPH4-02   |
|        | FPH8-01   |
|        | FPH8-02   |
|        | FPH8-03   |
|        | FPH12-02  |
|        | FPH12-03  |
|        | FPH12-04  |
|        | FPH6-M5   |
|        | FPH6-01   |
|        | FPH6-02   |
|        | FPH6-03   |
|        | FPH6-04   |

## 气源处理器系列 AIR SOURCE TREATMENT SERIES

### 气源处理器AC/BC系列 Series F.R.L Combination



| 手动排水型 Manual |       |
|--------------|-------|
| 型号           | 规格    |
| AC2000       | G 1/4 |
| AC3000       | G 3/8 |
| AC4000       | G 1/8 |
| BC2000       | G 1/4 |
| BC3000       | G 3/8 |
| BC4000       | G 1/4 |



| 自动排水型 Auto |       |
|------------|-------|
| 型号         | 规格    |
| AC2000D    | G 1/4 |
| AC3000D    | G 3/8 |
| AC4000D    | G 1/8 |
| BC2000D    | G 1/4 |
| BC3000D    | G 3/8 |
| BC4000D    | G 1/4 |

### 气源处理器AFC/BFC系列 Series FR.L Combination



| 手动排水型 Manual |       |
|--------------|-------|
| 型号           | 规格    |
| AFC2000      | G 1/4 |
| AFC2000      | G 3/8 |
| AFC4000      | G 1/2 |
| BFC2000      | G 1/4 |
| BFC3000      | G 3/8 |
| BFC4000      | G 1/2 |



| 自动排水型 Auto |       |
|------------|-------|
| 型号         | 规格    |
| AFC2000D   | G 1/4 |
| AFC2000D   | G 3/8 |
| AFC4000D   | G 1/2 |
| BFC2000D   | G 1/4 |
| BFC3000D   | G 3/8 |
| BFC4000D   | G 1/2 |

### 气源处理器AF/BF系列 Series Filter



| 手动排水型 Manual |       |
|--------------|-------|
| 型号           | 规格    |
| AF2000       | G 1/4 |
| AF3000       | G 3/8 |
| AF4000       | G 1/2 |
| BF2000       | G 1/4 |
| BF3000       | G 3/8 |
| BF4000       | G 1/2 |



| 自动排水型 Auto |       |
|------------|-------|
| 型号         | 规格    |
| AF2000D    | G 1/4 |
| AF3000D    | G 3/8 |
| AF4000D    | G 1/2 |
| BF2000D    | G 1/4 |
| BF3000D    | G 3/8 |
| BF4000D    | G 1/2 |

### 过滤减压阀AFR/BFR系列 Series Filter-Regulator



| 手动排水型 Manual |       |
|--------------|-------|
| 型号           | 规格    |
| AFR2000      | G 1/4 |
| AFR3000      | G 3/8 |
| AFR4000      | G 1/2 |
| BFR2000      | G 1/4 |
| BFR3000      | G 3/8 |
| BFR4000      | G 1/2 |



| 自动排水型 Auto |       |
|------------|-------|
| 型号         | 规格    |
| AFR2000D   | G 1/4 |
| AFR3000D   | G 3/8 |
| AFR4000D   | G 1/2 |
| BFR2000D   | G 1/4 |
| BFR3000D   | G 3/8 |
| BFR4000D   | G 1/2 |

### 减压阀AR/BR系列 Series Regulator



| 手动排水型 Manual |       |
|--------------|-------|
| 型号           | 规格    |
| AR 2000      | G 1/4 |
| AR 3000      | G 3/8 |
| AR 4000      | G 1/2 |
| BR 2000      | G 1/4 |
| BR 3000      | G 3/8 |
| BR 4000      | G 1/2 |

### 油雾器AL/BL系列 Series Lubricator



| 手动排水型 Manual |       |
|--------------|-------|
| 型号           | 规格    |
| AL-2000      | G 1/4 |
| AL-3000      | G 3/8 |
| AL-4000      | G 1/2 |
| BL-2000      | G 1/4 |
| BL-3000      | G 3/8 |
| BL-4000      | G 1/2 |

### 电磁阀 / SOLENOID VALVE



| 二位五通电磁阀  |      |
|----------|------|
| 型号       | 规格   |
| 3V110-M5 | M5   |
| 3V110-06 | G1/8 |
| 3V210-06 | G1/8 |
| 3V210-08 | G1/4 |
| 3V310-08 | G1/4 |
| 3V310-10 | G3/8 |
| 3V410-15 | G1/2 |



| 二位三通电磁阀  |      |
|----------|------|
| 型号       | 规格   |
| 3V120-M5 | M5   |
| 3V120-06 | G1/8 |
| 3V220-06 | G1/8 |
| 3V220-08 | G1/4 |
| 3V320-08 | G1/4 |
| 3V320-10 | G3/8 |
| 3V420-15 | G1/2 |



| 二位五通电磁阀    |      |
|------------|------|
| 型号         | 规格   |
| 4V330C-08  | G1/4 |
| 4V330C-10  | G3/8 |
| 4V430C-15  | G1/2 |
| VF3130(带灯) | G1/4 |
| VF3130(带线) | G1/4 |
| VF3230     | G1/4 |
| VF3330     | G1/4 |
| VF5120     | G3/8 |
| VF5220     | G3/8 |
| VF5320     | G3/8 |



| 二位五通电磁阀  |      |
|----------|------|
| 型号       | 规格   |
| 4V410-15 | G1/2 |
| 4V120-06 | G1/8 |
| 4V220-06 | G1/8 |
| 3V1-06   | G1/8 |
| 2V025-08 | G1/4 |
| 2V025-06 | G1/8 |
| X0250622 |      |
| XQ230622 |      |
| K25R5-8  |      |
| K23R5-8  |      |

### 4HV手转阀 / HAND ROTARY VALVE



| 4HV手转阀        |          |
|---------------|----------|
| 型号            | 规格       |
| HV-200        | 02 03 04 |
| 4HV210-06 08  | G1/8 1/4 |
| 4HV310-08 10  | G1/4 3/8 |
| 4HV410-10 15  | G1/2 3/4 |
| 4HV230-06 08  | G1/8 1/4 |
| 4HV330-08 10  | G1/4 3/8 |
| 4HV 430-15 20 | G1/2 3/4 |

### 手拉阀 / HAND VALVE



| 手拉阀         |          |
|-------------|----------|
| 型号          | 规格       |
| 3R210-06 08 | G1/8 1/4 |
| 3R310-08 10 | G1/4 3/8 |
| 3R410-10 15 | G3/8 1/2 |
| 4R210-06 08 | G1/8 1/4 |
| 4R310-08 10 | G1/4 3/8 |
| 4R410-10 15 | G3/8 1/2 |
| TH2521-08   | G 1/4    |

### 手扳阀/HAND VALVE



| 手振阀         |          |
|-------------|----------|
| 型号          | 规格       |
| 3H210-06 08 | G1/8 1/4 |
| 3H310-08 10 | G1/4 3/8 |
| 3H410-10 15 | G1/2 3/4 |
| 4H210-06 08 | G1/8 1/4 |
| 4H310-08 10 | G1/4 3/8 |
| 4H410-10 15 | G1/2 3/4 |

### 脚踏阀/THE FOOT VALVE



| 脚踏阀       |       |
|-----------|-------|
| 型号        | 规格    |
| 3FM210-08 | G 1/4 |
| 3F210-08  | G 1/4 |
| 3F210-08C | G 1/4 |
| 3F210-08G | G 1/4 |
| FV320     |       |
| FV420     |       |

### 机械阀/MECHANICAL VALVE



| 机械阀           |              |
|---------------|--------------|
| 型号            | 规格           |
| S3B-M5 06 08  | G M5 1/8 1/4 |
| S3R-M5 06 08  | G M5 1/8 1/4 |
| S3L-M5 06 08  | G M5 1/8 1/4 |
| S3HL-M5-06 08 | G M5 1/8 1/4 |
| S3V-M5 06 08  | G M5 1/8 1/4 |
| S3PP-M5 06 08 | G M5 1/8 1/4 |

### 单向节流阀/THE ONE-WAY THROTTLE VALVE



| 单向节流阀    |       |
|----------|-------|
| 型号       | 规格    |
| ASC-06   | G 1/8 |
| ASC-08   | G 1/4 |
| ASC-10   | G 3/8 |
| ASC-15   | G 1/2 |
| 2P025-06 | G 1/8 |
| 2P025-08 | G 1/4 |

## 流体控制阀/FLUID CONTROL VALVE



| 流体控制阀       |           |
|-------------|-----------|
| 型号          | 规格        |
| 2V025-06 08 | G 1/8 1/4 |
| 2V130-10 15 | G3/8 1/2  |
| 2250-20 25  | G3/4 1    |
| 2W025-06 08 | G1/8 1/4  |
| 2W 160-15   | G 1/2     |
| 2W 250-25   | G1        |
| 2W 350-35   | G1 1/4    |



| 流体控制阀 |         |
|-------|---------|
| 型号    | 规格      |
| US 10 | G 3/8   |
| US 15 | G 1/2   |
| US 20 | G 3/4   |
| US 25 | G 1     |
| US 35 | G 1 1/4 |
| US 40 | G 1 1/2 |
| US 50 | G2      |

## 汇流板 /THE BUS BOARD



| 汇流板     |        |
|---------|--------|
| 型号      | 规格     |
| SY 7120 | 1F-12F |
| SY 5120 | 1F-12F |
| SY 3120 | 1F-12F |
| SY 3130 | 1F-12F |
| 100M    | 1F-15F |
| 200M    | 1F-15F |
| 300M    | 1F-12F |

## 滑动开关/SLIDE SWITCH



| 滑动开关     |           |
|----------|-----------|
| 型号       | 规格        |
| HSV-06   | G 1/8     |
| HSV-08   | G 1/4     |
| HSV-10   | G 3/8     |
| HSV-15   | G 1/2     |
| 快速排气阀    |           |
| QE-01 02 | G 1/8 1/4 |
| QE-03 04 | G 3/8 1/2 |

## 气缸/CYLINDER



| 气缸     |               |
|--------|---------------|
| 型号     | 规格            |
| SC-32  | 32X(25~1000)  |
| SC-40  | 40X(25~1000)  |
| SC-50  | 50X(25~1000)  |
| SC-63  | 63X(25~1000)  |
| SC-80  | 80X(25~1000)  |
| SC-100 | 100X(25~1000) |
| SC-125 | 125X(25~1000) |



| 气缸     |               |
|--------|---------------|
| 型号     | 规格            |
| SU-32  | 32X(50~1000)  |
| SU-40  | 40X(50~1000)  |
| SU-50  | 50X(50~1000)  |
| SU-63  | 63X(50~1000)  |
| SU-80  | 80X(50~1000)  |
| SU-100 | 100X(50~1000) |
| SU-125 | 125X(50~1000) |



| 型号      | 规格            |
|---------|---------------|
| MBB-32  | 32X(50~1000)  |
| MBB-40  | 40X(50~1000)  |
| MBB-50  | 50X(50~1000)  |
| MBB-63  | 63X(50~1000)  |
| MBB-80  | 80X(50~1000)  |
| MBB-100 | 100X(50~1000) |
| MBB-125 | 125X(50~1000) |



| 型号      | 规格          |
|---------|-------------|
| CXSW-10 | 10X(10~150) |
| CXSW-15 | 15X(10~150) |
| CXSW-25 | 25X(10~150) |
| CXSW-32 | 32X(10~150) |
| STMB-10 | 10X(10~150) |
| STMB-20 | 20X(10~150) |
| STMB-32 | 32X(10~150) |



| 型号     | 规格          |
|--------|-------------|
| MAL-16 | 16X(25~500) |
| MAL-20 | 20X(25~500) |
| MAL-32 | 32X(25~500) |
| MAL-40 | 40X(25~500) |
| MA-16  | 16X(25~500) |
| MA-25  | 25X(25~500) |
| MA-40  | 40X(25~500) |



| 型号      | 规格          |
|---------|-------------|
| SDA-12  | 12X(5~50)   |
| SDA-16  | 20X(5~50)   |
| SDA-32  | 32X(5~100)  |
| SDA-50  | 50X(5~100)  |
| SDA-63  | 63X(5~100)  |
| SDA-80  | 80X(5~100)  |
| SDA-120 | 100X(5~100) |

## 各种材质耐化学技术质量

### Each kind of material to bear chemistry technology quality

| 缩写<br>Abbreviation                           | 聚氨酯<br>PUR,TPU                   | 软质酯PVC<br>PVC-P                  | 聚乙烯<br>PE                         | 硅橡胶<br>Q                           | 铁氟龙<br>PTEE                       | 尼龙<br>PA                           |
|--|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|
| 抗磨损性<br>Anti-vearability                     | ++                               | O27-32                           | O100                              | -                                  | -                                 | O                                  |
| 抗热老化性<br>Heat-resistant and antiaging nature | ++                               | -                                | +                                 | ++                                 | ++                                | O                                  |
| 耐候性<br>Weathering resistance                 | O                                | O                                | -                                 | +                                  | ++                                | O                                  |
| 抗紫外线性能<br>Anti-UV ray performance            | O                                | O                                | -                                 | +                                  | ++                                | O                                  |
| 抗微生物性能<br>Anti-microorganism performance     | -                                | ++                               | +                                 | O                                  | ++                                | +                                  |
| 水<br>Water                                   | ++≤60°C                          | ++                               | ++                                | ++                                 | ++                                | +                                  |
| 盐溶液<br>Salt liquor                           | O                                | ++                               | ++                                | +                                  | ++                                | +                                  |
| 酸<br>Acid                                    | O                                | O                                | ++                                | -                                  | ++                                | -                                  |
| 碱<br>Alkali                                  | O                                | -                                | ++                                | -                                  | ++                                | +                                  |
| 氧化剂<br>Oxidant                               | -                                | -                                | -                                 | +                                  | ++                                | -                                  |
| 溶剂<br>Solvent                                | -                                | -                                | ++                                | -                                  | ++                                | -                                  |
| 矿物油<br>Mineral oil                           | ++                               | ++                               | ++                                | -                                  | ++                                | ++                                 |
| 汽油<br>Gasoline                               | ++                               | ++                               | ++                                | -                                  | ++                                | ++                                 |
| 表面电阻<br>Surface resistance                   | 10 <sup>2</sup> –10 <sup>2</sup> | 10 <sup>3</sup> –10 <sup>3</sup> | 10 <sup>3</sup> –10 <sup>17</sup> | 10 <sup>13</sup> –10 <sup>16</sup> | 10 <sup>4</sup> –10 <sup>18</sup> | 10 <sup>10</sup> –10 <sup>12</sup> |
| 体积电阻<br>Volume resistance                    | 10 <sup>2</sup> –10 <sup>2</sup> | 10 <sup>3</sup> –10 <sup>3</sup> | 10 <sup>3</sup> –10 <sup>17</sup> | 10 <sup>13</sup> –10 <sup>16</sup> | 10 <sup>3</sup> –10 <sup>17</sup> | 10 <sup>10</sup> –10 <sup>16</sup> |
| 抗电强度<br>Electric resistant strength          | 33                               | 23                               | 40–60                             | 15–25                              | 33                                | 6–60                               |
| 食品应用<br>Food application                     | -                                | -                                | ++                                | -                                  | ++                                | -                                  |
| 可喷漆性<br>Spray Paint Natural                  | ++                               | O                                | -                                 | -                                  | -                                 | -                                  |
| 胶粘性<br>Tackiness                             | ++                               | +                                | -                                 | -                                  | -                                 | +                                  |

等级：“++”优秀、“+”好、“O”有限、“-”差、“\*”取决于软管类型所有标明的规格，尺寸和技术数据都是近似平均值，以20摄氏度数据为准。  
Grade: “++” excellent, “+” good, “O” restricted, “-” inferior. All marked specification, size and the technic data are the approximate mean values, take 20 Celsius degree data as.

## 美制及英制单位换算成SI单位

### The US standard and the British unit convert SI unit

|                                    |  |                                    |  |
|------------------------------------|--|------------------------------------|--|
| 长度单位<br>Unit of length             | 1in=25.4mm 1ft=0.3048mm  | 面积单位<br>Square measure             | 1in <sup>2</sup> =25.4cm <sup>2</sup> 1ft <sup>2</sup> =0.093m <sup>2</sup>  |
| 质量单位<br>Quality unit               | 1lb=453.6g   | 温度单位<br>Temperature unit           | (°F-32)×5/9=°C K-273.15=°C   |
| 压力单位<br>Pressure unit              | 1psi=6.89kpa 1kgf/cm <sup>2</sup> =98.07kpa<br>1bar=100kap 1bar=14.5psi            | 流量计算公式<br>Current capacity formula | Q=Cv 值 × 984 = Kv 值 × 1100<br>Cv=So ÷ 18   |
| 气缸输出力<br>Air cylinder output power | F=P $\frac{D^2 \cdot \pi \cdot 10}{4}$ 注: F=理论气缸出力(N)<br>P=空气压力(bar)<br>D=活塞直径(cm) | 压力换算表<br>Pressure conversion table | 1psi=6.895kpa=0.07kg/cm <sup>2</sup> =0.06895bar<br>1standard atmosphere=14.7psi=14.7psi<br>=101.3kpa=1.01325bar<br>1kg/cm <sup>2</sup> =98.07kpa=14.22psi |

本公司PU软管(透明和有颜色的)都一致采用100%高等纯正TPU POLYURETHANE 原材料制造，不含任何其他材料，100%符合ROHS指令（对人体无毒害）。  
颜色配料(色母)同样采用100%高等纯正TPU POLYURETHANE 原材料为载体；硬度为95-98 SHOREA(根据季节而选择)。



诚信立足·创新致远

BASED ON INTEGRITY INNOVATION TOWIN

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