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01 隔膜阀系列
Diaphragm valve
02 角座阀系列
Angle seat valve
03 球阀系列
Ball valve

04 蝶阀系列
Butterfly valve
05 无菌取样阀系列
Aseptic sampling valve series
06 卫生级泵系列
Sanitary pump series

07 生物制药级管件
Biological pharmaceutical
grade pipe fittings

无菌取样阀系列

Aseptic sampling valve series



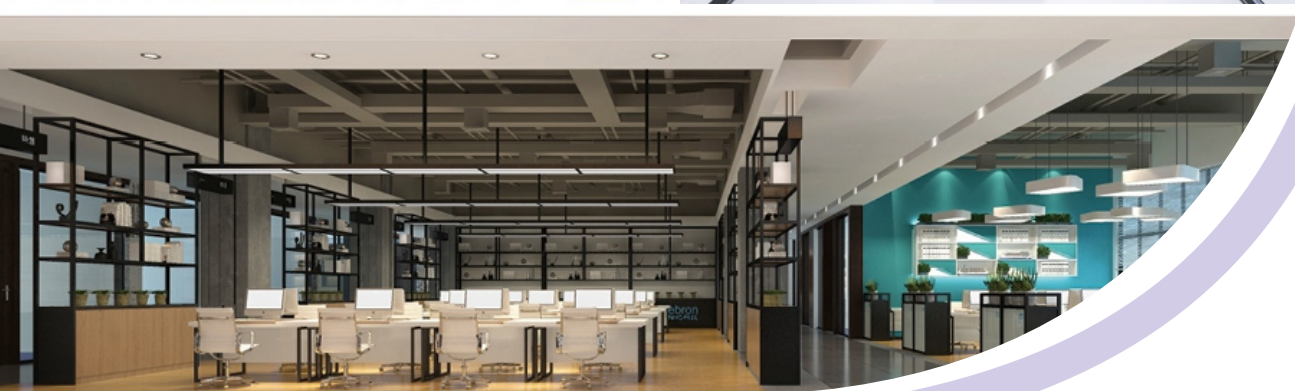
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价值承载生命，品牌成就未来！

Merit Meeting A New Life Brand Bringing A Long Future



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关于我们

浙江希伯伦自控工程科技有限公司(简称:希伯伦科技),创始于2003年,是一家专注于为生物制药、食品饮料、精细化工及光电等行业提供工艺管道系统和控制系统的产品研发、制造、销售、技术咨询与服务等为一体的科技型企业。公司主要产品涵盖卫生级阀门、管件、泵、流体洁净设备,以及提供自动化控制系统的整体解决方案。希伯伦科技于2016年12月27日在美国纳斯达克上市,成为当时温州市龙湾区第一家赴美上市企业。

希伯伦科技始终注重产品研究的投入与产品技术的迭代创新,早在2011年,就与浙江大学合作,成立了“浙大(希伯伦)技术研发中心”,共同研发出可替代进口的智能定位控制器及比例调节阀门,一度填补了当时国内在该领域的空白。公司也高度重视引进人才和设备,是国内为数不多能自主研发,且掌握生产符合美国USP Class VI等级认证的聚四氟乙烯(PTFE)隔膜片及其它阀门密封件的制造商之一,与此同时,希伯伦还拥有完整的在线灭菌(SIP)循环蒸汽测试系统,能够对产品进行高温灭菌、疲劳寿命、密封性以及无菌隔离等项目模拟测试。希伯伦在自身不断创新发展的同时,也致力于参与推动行业的共同发展,在行业内率先推出无菌感应洗手阀,得到行业内外一致好评,为行业无菌化发展贡献自己的力量。

历经20年的发展,希伯伦人积累了非常丰富的行业经验,在引进ERP、CRM、OA等信息化管理软件的加持下,我们在供应链管理、产品设计、生产加工工艺及产品服务等方面均处于行业领先水平。已通过《ISO9001:2015质量管理体系》、《特种设备制造许可证》和《信息化和工业化融合管理体系》等体系认证,确保生产的每件产品都能达到客户和行业ISO、DIN、3A、BS、ASME-BPE等标准要求,最终实现客户产线通过FDA、CGMP、GMP等认证。

凭借着出色的研发、制造能力和卓越的产品品质,公司还先后获得《高新技术企业证书》、《浙江省科技型中小企业证书》、《高质量发展示范企业》、《温州市企业技术研发开发中心》等诸多荣誉。

展望未来,希伯伦始终秉承“为人类的健康而努力”的使命,“价值承载生命,品牌成就未来”的理念,坚持为客户提供高品质的产品与服务。我们真诚期待与您进行合作,希伯伦科技欢迎您!

ABOUT US

Zhejiang Xibolun Automatically Control System Engineering Technology Co., Ltd. (hereinafter referred to as: Hebron or Xibolun), founded in 2003. Hebron is a high-tech enterprise which integrates R&D with manufacture, sales, technical consulting and service for the process piping system and control system in biopharmaceutical, food and beverage, fine chemical and optoelectronic industries.

Hebron's main products cover sanitary valves, pipe fittings, pumps, fluid cleaning equipment, as well as providing the overall solution of automatic control system. Hebron was the first company in Longwan District of Wenzhou City, to be listed on NASDAQ in the US on December 27, 2016. From the beginning so far, Hebron has always focused on the investment of product research and development and the innovation and iteration of product technology. As early as 2011, Hebron cooperated with Zhejiang University, established the "Zhejiang University (Hebron) Technology R&D Center". We jointly developed intelligent positioning controller and proportional adjustment valve replaced imported, once filled the gap in the field in China at that time. Hebron also attaches great importance to the introduction of talent and equipment, is one of the leading manufacturers of PTFE diaphragms and other valve seals that meet USP Class VI certification. In addition, Hebron also has a complete Sterilizing In place (SIP) cycle steam test system, which can be used to test products for high temperature sterilization, fatigue life, sealing and sterile isolation. Hebron doesn't only Keep its own continuous innovation and development, but participate in promoting the common development of the industry. We are the early in the industry to launch aseptic sensing hand-washing valve, which has been well received both inside and outside the industry, and contribute to the development of aseptic industry.

With the 20 years of development, we have accumulated rich industry experience. Under the help of ERP, CRM, OA and other information management software, we are at a leading level of the industry in supply chain management, product design, production and processing technology, product services and other aspects. Hebron has passed the system certifications of *ISO9001:2015*, *Special Equipment Manufacturing License*, *Integration of Informationization and Industrialization Management System Certificate*, and other system certifications. We ensure that Hebron product can meet the requirements of customers and industry standards such as ISO, DIN, 3A, BS, ASME-BPE, etc., and finally achieve the certification of FDA, CGMP, GMP, etc.

With the excellent R & D, manufacturing capacity and excellent product quality, Hebron has also been awarded many honors, such as *High-Tech Enterprise Certificate*, *Zhejiang Science and Technology Small and Medium-sized Enterprise Certificate*, *High Quality Development Model Enterprise*, *Wenzhou Enterprise Technology Research and Development Center*, and so on.

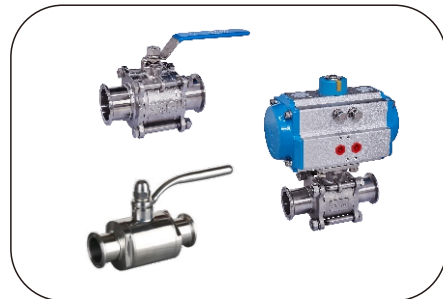
In the future, Hebron will always adhere to the mission of "Fighting for the health of mankind" and the company philosophy of "Merit Meeting Anew Life, Brand Bringing A Long Future". We insist to provide high quality products and good service and sincerely look forward to working you. Respectfully waiting for your visit!



隔膜阀系列
Diaphragm valve



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生物制药级管件系列
Biological pharmaceutical
grade pipe fittings

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希伯伦产品广泛应用于

生物制药、生物疫苗、纯净水化、食品饮料、乳制品等。

Xibolun products are widely used in biological pharmaceutical, biological vaccines, water purification, dairy products, etc.



无菌取样阀基本数据:

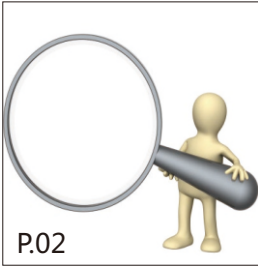
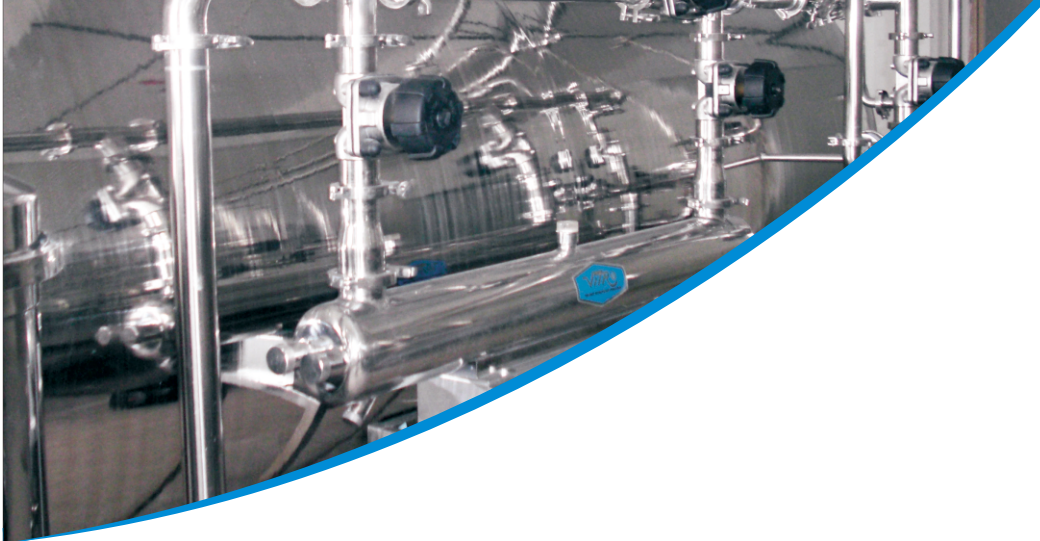
工作压力: 0-0.8Mpa
公称压力: PN 1.6Mpa
工作温度: -20℃ -190℃
通径: DN6
阀体材质: 022Cr17Ni12Mo2(316L)
密封材质: 聚四氟乙烯 (PTFE), 硅橡胶 (VMQ), 三元乙丙 (EPDM)
连接方式: 卡式, 焊接, 螺纹等
连接尺寸: ISO, DIN, SMS, ASME, BPE 等国际标准
驱动方式: 手动, 手气一体
阀门结构: 双嘴 (带灭菌), 单嘴
表面处理: 机械抛光, 机械抛光和电解抛光
表面光洁度: 均可达到 $Ra \leq 0.4\mu m$ 以下

The basic data of aseptic sampling valve:

Working pressure: 0-0.8 Mpa
Nominal pressure: 1.6 Mpa PN
Working temperature: - 20 °C to 190 °C
Size: DN6
The valve body material: 022 Cr17Ni12Mo2 (316 L)
Sealing material: teflon (PTFE), silicone rubber (VMQ), EPDM (EPDM)
Connection mode: Clamp, welding type, thread, etc
Size: ISO, DIN, ASME BPE and other international standards
Drive mode: Manual and pneumatic
Body structure: double mouth (sterilization), single mouth
Surface treatment: mechanical polishing, electrolytic polishing
Surface finish: $\leq Ra0.4 \mu m$

产品应用

BIOLOGIC/PHARMACAL



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阀门选型
Valve Selection



P.04

工作原理
Working Principle



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材质
The Material



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连接方式
Connection Method



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阀体结构
Body Structure



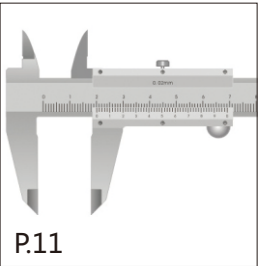
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执行器
Actuator



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密封件
The Seals



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基本尺寸
Basic Size



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产品型号 / 订购代码
Product Model/Order Code



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定制 T 型无菌取样阀
Customized T Aseptic
Sampling Valve



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阀门选型
Valve Selection

希伯伦为您提供多种不同工况的无菌取样阀，包括；阀体
接连尺寸，接连方式，执行器驱动方式，取样嘴要求等。通
过目录本索引便可找到合适您的型号。

Xibolun will provide you with a variety of different
conditions of aseptic sampling valve, here including: the
valve body size, connection mode, actuators drive mode,
sampling mouth requirements, etc.Through the catalogue
index you can find the matchable model.

选型指导

- 第一步：选择阀体
- 阀体材质
- 连接方式
- 连接尺寸
- 阀体结构（取样形式）

Selection Guidance

- Step 1: choose the body
- The valve body material
- The connection method
- Connection size
- The body structure

- 第二步：选择驱动方式
- 手动
- 手气一体

- Step 2: choose the way to drive
- manual
- Manual/pneumatic in one

- 第三步：阀门使用工况
- 工作压力
- 工作温度
- 工作介质

- Step 3: body working condition
- Working pressure
- Working temperature
- Working medium



产品型号 / 订购代码组织图

Product Model/Order Code Organization Chart

代码 Code		生产商 - 阀门基本参数 - 规格 Producers - valves basic parameters- specifications						
		XBL - QYF	8	1	F	16	R	- 51
1	希伯伦拼音缩写 The XIBOLUN spelling abbreviation	XBL						
2	类型代码 The type code	取样阀 sampling valve						
3	传动方式代号 Transmission way code	手动 manual						
4	连接方式代号 The connection code	卡式 clamp						
5	结构形式代号 The structure form code	单嘴软连接 single mouth,soft connection						
6	密封材料代号 Sealing materials code	氟塑料 PTFE						
7	公称压力代号 Nominal pressure code	1.6Mpa						
8	阀体材料代号 The valve body material code	022Cr17Ni12Mo2 (316L)						
9	规格 Specification							51

例 1:51 卡式手动单嘴软连接无菌取样阀

Eg 1:51 manual clamp single mouth soft connection aseptic sampling valve

XBL-QYF81F16R-51

例 2:G1/2" 螺纹手动双嘴卡连接无菌取样阀

Eg 2:G1/2"manual thread double mouth clamp aseptic sampling valve

XBL-QYF24F16R-1/2

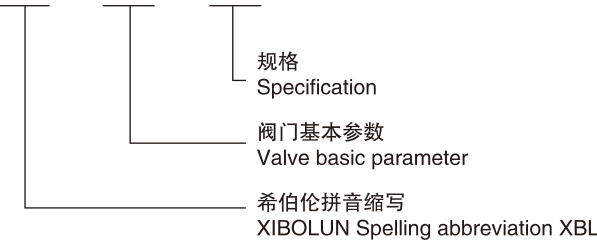
例 3:22 焊式手气 - 体双嘴软卡连接无菌取样阀

Eg 3:22 manual/pneumatic in one clamp double mouth aseptic sampling valve

XBL-QYF666F16R-22

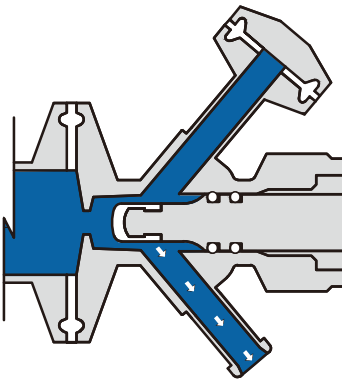
注：密封材料设定 PTFE

Note: sealing material is PTFE

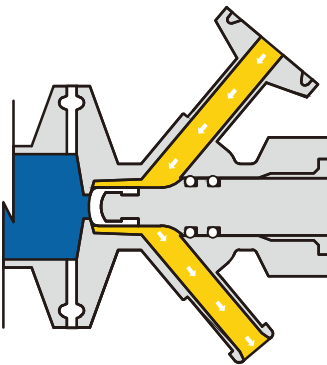


无菌取样阀工作原理

Aseptic Sampling Valve Working Principle



阀门开启取样
Valve sampling is open



阀门关闭灭菌
Sampling valve is closed

阀门类型代号

Valve Type Code

序号 serial number	类型 type	代号 code
1	无菌取样阀 Aseptic sampling valve	QYF

阀门材质
Valve Material

希伯伦无菌取样阀与物料接触金属零件均为 316L, 密封件均为卫生级橡胶和氟塑料。

The valve material:XIBOLUN aseptic sampling valve in contact with the parts is 316L,seals are sanitary rubber and PTFE.

阀体材料代号
The Body Material Code

序号 Serial code	阀体材料 body material	代号 code
1	022Cr17Ni12Mo2(316L)	R

公称压力代号
公称压力代号用阿拉伯数字表示，其数值是以兆帕（MPa）为单位。

Nominal pressure code
Nominal pressure code expressed with Arabic numerals, the unit is Mpa.

连接方式
Connection Mode

为了满足不同地区不同行业用户需求，我们的阀门可提供多种标准的连接方式。

Connection mode: in order to meet the needs of users of different industries in different areas, our body can provide a variety of standard mode of connection.

连接方式 Connection	外部图 external figure	规格 specifications	特点 features
卡式 Clamp		卡盘外径 φ 50.5 卡盘外径 φ 25 chuck diameter φ 50.5 chuck diameter φ 25	卫生、易连接，拆卸 health, easy connection and disassembly
焊式 Welding type		外径 φ 22 diameter φ 22	卫生、安全、可靠 health, safety and reliable
螺纹 Thread		外螺纹 1/2" external thread 1/2 "	易连接、拆卸、占用空间小 convenient connection, disassembly, take little space

连接方式代号
Connection Code

序号 Serial code	连接方式 Connection mode	代号 Code
1	外螺纹 The Thread	2
2	焊式 Welded	6
3	卡式 Clamp	8



阀体结构
Body Structure

希伯伦每只取样阀阀体都采用整钢 CNC 加工成型，根据用户的需求我们包含以下几种取样形式供选择。

Body structure: XIBOLUN each sampling valve body is made of whole steel by CNC processing, we have the following several sampling form according to the requirements of the user to choose from.

阀体 Body	外部图 External figure	示意图 diagram	功能 function
单嘴软连接 Single mouth soft connection			无菌取样 sterile sampling
单嘴卡连接 Single mouth clamp connection			无菌取样 sterile sampling
双嘴软连接 Double mouth soft connection			无菌取样 带灭菌 sterile sampling with sterilization
双嘴卡连接 Double mouth clamp connection			无菌取样 带灭菌 sterile sampling with sterilization
双嘴软卡连接 Double mouth soft/clamp connection			无菌取样 带灭菌 sterile sampling with sterilization

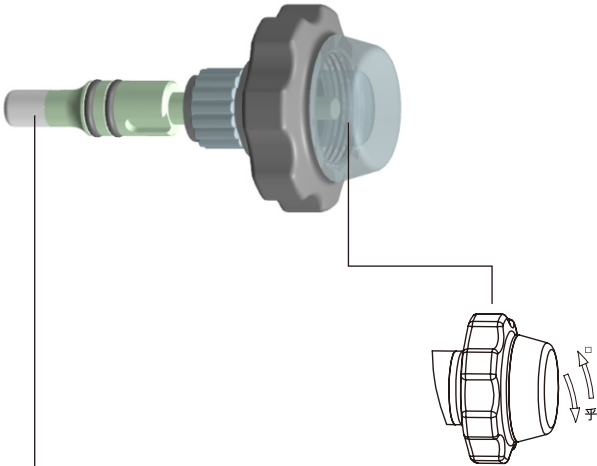
阀体结构形式代号
The Body Form Structure

序号 Serial code	阀体结构形式 Body structure	代号 Code
1	单嘴软连接 Single mouth soft connection	1
2	单嘴卡连接 Single mouth clamp connection	3
3	双嘴软连接 Double mouth soft connection	2
4	双嘴卡连接 Double mouth clamp connection	4
5	双嘴软卡连接 Double mouth soft clamp connection	6

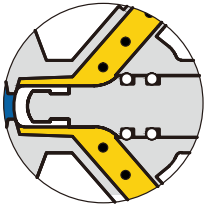


执行器
Actuator

手动执行器
Manual actuator

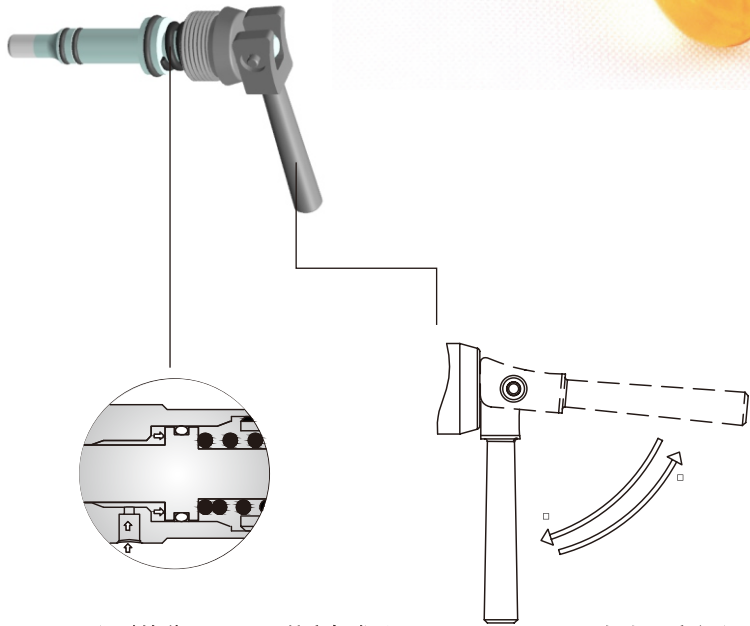


- 2、顺时针关闭阀门
逆时针开启阀门
2.Clockwise to close valve
Counterclockwise to open the valve



1. 阀杆倒圆角处理，当阀门关闭，物料自动向下排空。
1. Stem fillet processing, when the valve is closed, material will be emptied down automatically.

手气一体执行器
Manual/pneumatic in one



- 1、通过输送 0.6Mpa 压缩空气或手柄可控制阀门开关；
1. By transmission 0.6 Mpa compressed air or handle can control the valve switch.
- 2、向上开启阀门
向下关闭阀门
2. Up to open the valve
Down to close the valve

阀体传动方式代号
Valve Drive Way

序号 Serial code	传动放式 The transmission way	代号 code
1	手轮 The handwheel	
2	手柄、手动一体 Manual,pneumatic in one	6



密封件

The Seals

希伯伦公司密封均符合卫生制药级标准，产品通过美国 FDA 认证。

XIBOLUN seals are health pharmaceutical grade standard, the product through the American FDA certificate.

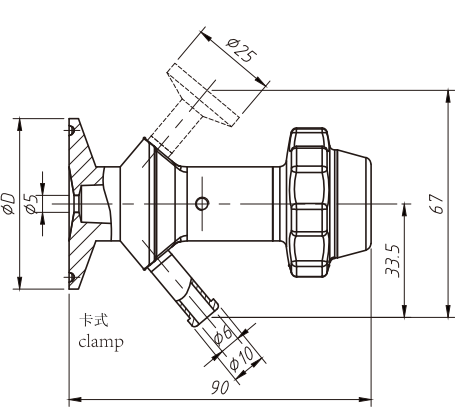
	名称 Name	材料 Material	耐高压 / 压力 Heat resistance/ pressure	特点 Characteristics
	进料口密封 Inlet seal	聚四氟乙烯 PTFE	190℃ /8bar	卫生、耐高压、抗腐蚀性强、使用寿命长 Health, high temperature resistance, strong corrosion resistance, long service life
	进料口密封 Inlet seal	三元乙丙 EPDM	130℃ /6bar	卫生、密封性能佳、抗腐蚀性强 Health, high temperature resistance, strong corrosion resistance, long service life
	O 型圈 O gasket	硅橡胶 MVQ	190℃ /8bar	卫生、密封性能佳、抗腐蚀性强 Health, high temperature resistance, good sealed performance
	O 型圈 O gasket	三元乙丙 EPDM	130℃ /6bar	卫生、密封性能佳、抗腐蚀性强 Health, good sealed performance, strong corrosion resistance

密封材料代码
Seals Material Code

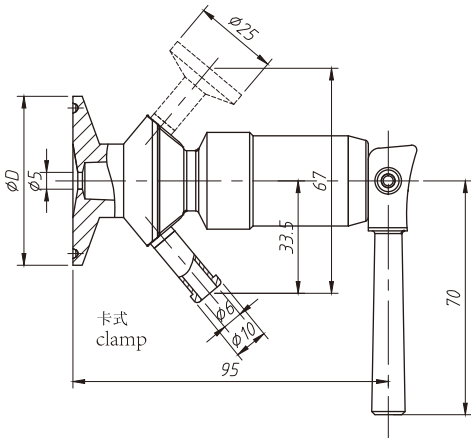
序号	密封材料 Seals material	代号 code
1	三元乙丙 EPDM	X
2	聚四氟乙烯 PTFE	F
3	硅橡胶 SILICONE RUBBER	VMQ



基本尺寸
Basic Size

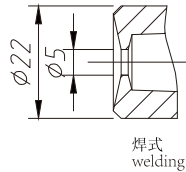


手动无菌取样阀基本尺寸
Manual aseptic sampling valve basic size

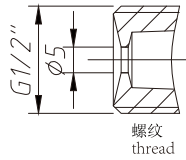


手气一体无菌取样阀基本尺寸
Manual pneumatic in one aseptic sampling valve basic size

单位: mm



注: 标记 ϕD 可加工成 50.5mm 和 25mm 两种尺寸。
双嘴中心点到点距离为 67mm, 单嘴中心点到阀体轴线距离为 33.5mm。



Note: Tag ϕD can be made into 50.0 mm and 25 mm.
Double mouth center point to point distance is 67 mm, single center of mouth into the body axis distance is 33.5 mm.



产品型号 / 订购代码 (手动无菌取样阀)
Product Model/Order Code
(Manual aseptic sampling valve)

					卡式 clamp
XBL-QYF81F16R-25 XBL-QYF81F16R-51	XBL-QYF83F16R-25 XBL-QYF83F16R-51	XBL-QYF82F16R-25 XBL-QYF82F16R-51	XBL-QYF84F16R-25 XBL-QYF84F16R-51	XBL-QYF86F16R-25 XBL-QYF86F16R-51	
					焊式 welding
XBL-QYF61F16R-22	XBL-QYF63F16R-22	XBL-QYF62F16R-22	XBL-QYF64F16R-22	XBL-QYF66F16R-22	
					螺纹 thread
XBL-QYF21F16R-1/2	XBL-QYF23F16R-1/2	XBL-QYF22F16R-1/2	XBL-QYF24F16R-1/2	XBL-QYF26F16R-1/2	
单嘴 Single mouth		双嘴 Double mouth			

注: 密封材料设定为 PTFE
Note: Seals material is PTFE

产品型号 / 订购代码 (手气一体无菌取样阀)
Product Model/Order Code
(Manual pneumatic in one aseptic sampling valve)

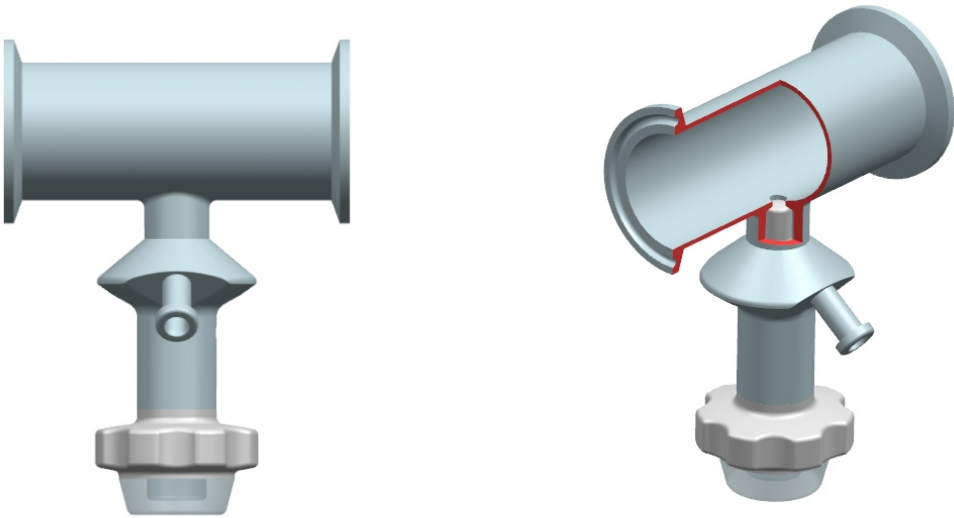
					卡式 clamp
XBL-QYF681F16R-25 XBL-QYF681F16R-51	XBL-QYF683F16R-25 XBL-QYF683F16R-51	XBL-QYF682F16R-25 XBL-QYF682F16R-51	XBL-QYF684F16R-25 XBL-QYF684F16R-51	XBL-QYF686F16R-25 XBL-QYF686F16R-51	
					焊式 welding
XBL-QYF661F16R-22	XBL-QYF663F16R-22	XBL-QYF662F16R-22	XBL-QYF664F16R-22	XBL-QYF666F16R-22	
					螺纹 thread
XBL-QYF621F16R-1/2	XBL-QYF623F16R-1/2	XBL-QYF622F16R-1/2	XBL-QYF624F16R-1/2	XBL-QYF626F16R-1/2	
单嘴 Single mouth		双嘴 Double mouth			

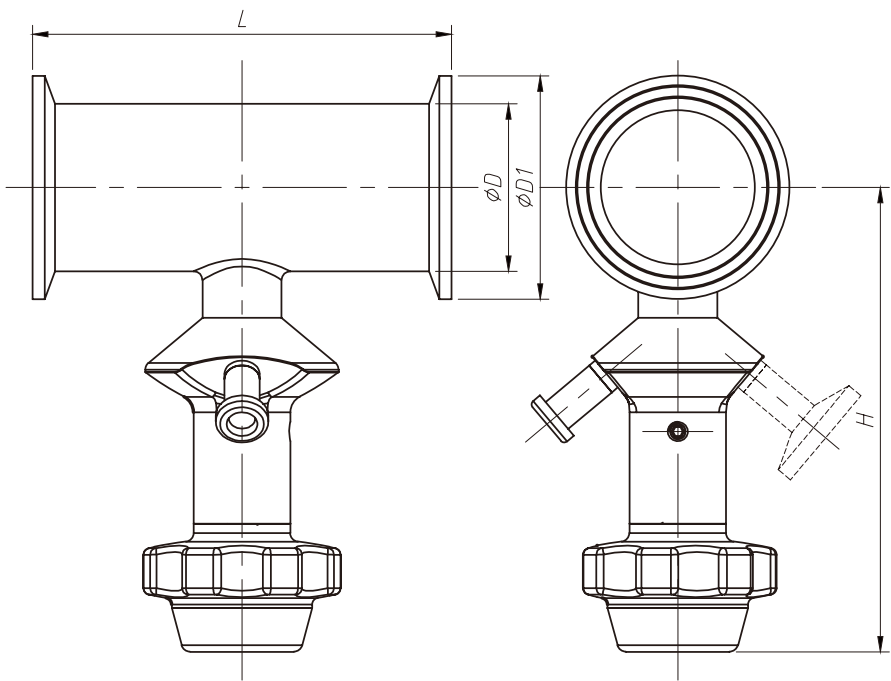
注：密封材料设定为 PTFE
Note:Seals material is PTFE

定制 T 型无菌取样阀
Customized T-Type Aseptic Sampling Valve

通过直通管与阀门结合，做到无菌无滞留取样。

Combined with valve by straight tube, achieve sterile no-retention samples.





T 型取样阀基本尺寸
T-Type Sampling Valve Basic Size

通径 SIZE	D	D1	L	H
3/4"	19.05	50.5	100	100
1"	25.4	50.5	100	103
1 1/4"	31.8	50.5	100	106
1 1/2"	38.1	50.5	100	109
2"	50.8	64	100	115
2 1/2"	63.5	77.5	100	122
3"	76.2	91	100	128
4"	101.6	119	100	140