



ASME BPE certified manufacturers
ISO9001 international quality management
system certification.



温州市好博机械有限公司
WENZHOU HOPE MACHINERY CO., LTD

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**+ SANITARY
FLUID EQUIPMENT**
卫生级流体设备



企业简介+ COMPANY PROFILE



温州市好博机械有限公司成立于2004年，座落在温州经济技术开发区滨海园区，共设3栋厂房，6个车间，总占地面积11600平方。并于2023年成立浙江好博机械有限公司，占地12000平方，主要生产卫生级管道。

我们的主要产品是卫生级管件，管道，阀门，泵。产品按DIN、3A、SMS、ISO、BS、IDF和ASME BPE标准设计生产，并通过ASME BPE认证(证书编号:BPE-181)和ISO9001国际质量管理体系认证。

好博机械致力于卓越的质量、先进的制造技术、良好的客户服务，并于众多国内外知名企业建立了持久、牢固的合作关系。

好博机械秉承“质量优先，诚信为本”的经营理念，致力于打造行业内质量标杆。

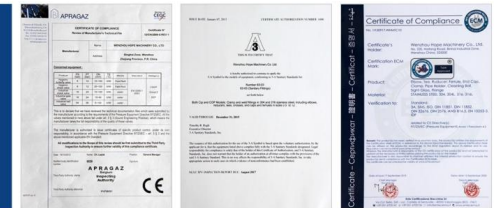
Wenzhou Hope Machinery Co., LTD., founded in 2004, is located in Binhai Park, Wenzhou Economic and Technological Development Zone, with 3 plants and 6 workshops, covering a total area of 11600 square meters. In 2023, Zhejiang Hope Machinery Co., Ltd. was established, covering an area of 12,000 square meters, mainly producing sanitary pipes.

Our main products are sanitary pipe fittings, pipes, valves, pumps. The products are designed and manufactured according to DIN, 3A, SMS, ISO, BS, IDF and ASME BPE standards, and have passed ASME BPE certification (Certificate number: BPE-181) and ISO9001 international quality management system certification.

Hope machinery is committed to excellent quality, advanced manufacturing technology, good customer service, and many well-known enterprises at home and abroad to establish a lasting, solid cooperative relationship.

Hope machinery adhering to the "quality first, integrity-based" business philosophy, is committed to creating a quality benchmark in the industry.

HOPE's products are worthy of your trust, and we have certificates that meet stringent standards



HOPE的产品绝对值得您的信任 我们拥有符合严苛标准的证书认证



▼ 温州基地 Wenzhou base



▼ 丽水基地 Lishui Base



我们的优势⁺ OUR ADVANTAGE



值得信赖的来源: 基于坚实的技术能力
Trustworthy source: based on solid technical capabilities



国际领先的高精度系统 International leading high precision system

我们拥有许多先进的系统，如无损检测、EDD、静水测试系统、机械性能测试系统、晶相分析系统等。为我们的优质产品提供最可靠和有利的保证。

We have many advanced systems such as NDT, EDD, hydrostatic testing system, mechanical property testing system, crystal phase analysis system, etc. To provide the most reliable and powerful guarantee for our quality products.



完善成熟的表面处理工艺 Perfect and mature surface treatment process

根据当前的技术发展，我们自主研发并自主调试了自动抛光设备，以高品质的工艺为您打造最完美的产品。

According to the current technological development, we have developed and commissioned our own automatic polishing equipment to create the most perfect product for you with high quality process.



高效率的固溶技术 High efficiency solid solution technology

采取在线固溶工艺，相比普通的退火工艺，更大限度的改善材料的机械性能和组织硬度，提高管道韧性及抗蚀性能。

Adopt online solid solution process, compared with the ordinary annealing process, to improve the mechanical properties and tissue hardness of the material to a greater extent, improve the toughness of the pipe and corrosion resistance.

先进的全面质量管理体系: 将所有产品和流程做到一流质量
Advanced total quality management system: top quality for all products and processes

- ◆所有工序严格按照流程要求进行，环环相扣，确保成品质量
- ◆产品从原材料开始进行过程质量控制直至最终检验/标记/包装
- ◆所有量具经过国际组织校验，符合国际标准
- ◆保障100%员工质量培训，具有自检意识和流程意识
- ◆提供所有必要的生产过程数据，每个产品具有完整的可追溯性
- ◆所有BPE标准的产品采用全检，确保产品符合ASME BPE标准

- ◆All processes are carried out in strict accordance with the process requirements and are interlocked to ensure the quality of the finished product
- ◆Process quality control from raw materials to final inspection, marking and packaging
- ◆All gauges are calibrated by international organizations and conform to international standards
- ◆Guarantee 100% staff quality training, with self-inspection awareness and process awareness
- ◆All necessary production process data is available and each product has full traceability
- ◆All BPE standard products are fully inspected to ensure that they comply with ASME BPE standard



ASME BPE 管道认证制造商
Certified manufacturer of pipe fittings and piping

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope shown below in accordance with the applicable rules of the ASME BPE Standard on Bioprocessing Equipment. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any component certified under this authorization shall have been produced, assembled, and tested in accordance with the provisions of the ASME BPE Standard on Bioprocessing Equipment.

COMPANY:

Wenzhou Hope Machinery Co., Ltd.
No.220, Haitang Road
Economic and Technological Development Zone
Wenzhou, Zhejiang 325000
People's Republic of China

SCOPE:

Manufacture of ferrous tubing (excluding circumferential welds) and fittings at the above location only.

AUTHORIZED: **January 25, 2023**

EXPIRES: **January 25, 2028**

CERTIFICATE NUMBER: **BPE-181**


Board Chair, Conformity Assessment


Managing Director, Standards & Engineering Services



管配件 PIPE FITTING

好博机械提供生物技术和制药加工，食品饮料等应用领域所需的专业配件和管件。好博机械高洁净管件采用2B冷轧钢卷为原材料，采用纵向焊接技术实现完全熔透，成熟的焊缝处理技术确保焊接合格。我们的线涡轮探伤系统可以确保每一个产品都没有杂质。在面对CIP清洗，酸洗等工况下，好博机械管件抗腐蚀能力更强。

Hope Machinery provides professional accessories and fittings for biotechnology and pharmaceutical processing, food and beverage applications. The 2B cold-rolled steel coil is used as raw material for the high clean pipe fitting of Hope Machinery. The longitudinal welding technology is adopted to achieve full penetration, and the mature weld processing technology ensures the welding qualification. Our line turbine flaw detection system ensures that every product is free of impurities. In the face of CIP cleaning, pickling and other conditions, Hope mechanical pipe has stronger corrosion resistance.



好博机械有多种管件规格、表面光洁度和连接型式等供选择。卫生型管件和配件提供了内表面光洁度介于 $Ra < 0.375 \mu m$ ，至 $Ra < 1.6 \mu m$ ，好博机械承诺严格遵守光洁度标准，确保管件表面没有残留。

Hope machinery has a variety of pipe fitting specifications, surface finish and connection type to choose from. Sanitary fittings and fittings provide an inner surface finish ranging from $Ra < 0.375 \mu m$ to $Ra < 1.6 \mu m$. Hope Machinery is committed to strictly adhering to finish standards to ensure that there is no residue on the surface of the fittings.

- ◆应用标准: BPE, 3A, ISO, SMS, DIN, GB, JIS, IDF, BS等
- ◆材质: 304L, 316L
- ◆电解抛光、机械抛光、酸洗钝化、光亮退火表面处理
- ◆尺寸范围: 1/2~10", 更大口径可定制
- ◆产品认证: ASME BPE, 3A, CE, PED

- ◆Application standards: BPE, 3A, ISO, SMS, DIN, GB, JIS, IDF, BS, etc
- ◆Material: 304L, 316L
- ◆Electrolytic polishing, mechanical polishing, pickling passivation, bright annealing surface treatment
- ◆Size range: 1/2~10", larger caliber can be customized
- ◆Product certification: ASME BPE, 3A, CE, PED



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管道 PIPELINE

我们的高级洁净管道采用国际领先的水压测试系统，机械性能测试系统，晶相分析系统，严格把控管道尺寸，严格控制公差尺寸。

Our advanced clean pipeline adopts the international leading hydraulic test system, mechanical performance test system, crystal phase analysis system, strict control of pipeline size, strict control of tolerance size.



卫生级管道尺寸对照表 Sanitary pipe size comparison table

ISO			3A			DIN(DIN11850) SERIES2			DIN(DIN11850) SERIES1			DIN			ASME BPE			BS			GB			
NOM. Size	OD	T	NOM. Size	OD	T	NOM. Size	OD	T	NOM. Size	OD	T	NOM. Size	OD	T	NOM. Size	OD	T	NOM. Size	OD	T	NOM. Size	OD	T	
						DN10	13	1.5	DN10	12	1.0	DN10	12	1.5	1/4"	6.35	0.89							
						DN15	19	1.5	DN15	18	1.0	DN15	18	1.5	3/8"	9.53	0.89							
			1/2"	12.7	1.65	DN20	23	1.5	DN20	22	1.0	DN20	22	1.5	1/2"	12.7	1.65	1/2"	12.7	1.6	1/2"	12.7	1.5	
			3/4"	19.1	1.65	DN25	29	1.5	DN25	28	1.0	DN25	28	1.5	3/4"	19.1	1.65	3/4"	19.1	1.6	3/4"	19.1	1.5	
25	25.0	1.2	1.0"	25.4	1.65	DN32	35	1.5	DN32	34	1.0	DN32	34	1.5				1.25"	31.8	1.6	1.25"	31.8	1.5	
32	31.8	1.2																						
38	38.0	1.2	1.5"	38.1	1.65				40	1.0	DN40	40	1.5		1.5"	38.1	1.65	1.5"	38.1	1.6	1.5"	38.1	1.5	
						DN40	41	1.5																
51	51.0	1.2	2.0"	50.8	1.65	DN50	53	1.5	52	1.0	DN50	52	1.5	2.0"	50.8	1.65	2.0"	50.8	1.6	2.0"	50.8	1.5		
63	63.5	1.6	2.5"	63.5	1.65									2.5"	63.5	1.65	2.5"	63.5	1.6	2.5"	63.5	1.5		
						DN65	70	2													2.5"	63.5	2	
76	76.1	1.6	3.0"	76.2	1.65									3.0"	76.2	1.65	3.0"	76.2	1.6	3.0"	76.2	1.5		
						DN80	85	2													3.0"	76.2	2	
																					3.5"	88.9	2	
101	101.6	2	4.0"	101.6	2.11	DN100	104	2						4.0"	101.6	2.11	4.0"	101.6	2	4.0"	101.6	2		
104	104.0	2				DN125	129	2													4.5"	114.3	2	
																					5.0"	129	2	
129	129.0	2	6.0"	152.4	2.77	DN150	154	2						6.0"	152.4	2.77	6.0"	154	2	6.0"	154	2		
204	204.0	2	8.0"	203.2	2.77	DN200	204	2													8.0"	204	2	
																					10.0"	254	2	

管道 PIPELINE

好博管件采用在线溶技术，不锈钢表面光亮，韧性强，不会出现晶间腐蚀现象，焊缝光滑平整，不易开裂，耐腐蚀性好。

Hopo pipe fittings using online solution technology, stainless steel surface bright, strong toughness, no intergranular corrosion phenomenon, smooth weld, not easy to crack, good corrosion resistance.

	好博BA精品管 Hope BA boutique tube	市面一般的管件 General pipe fittings in the market	
工艺 Technology	在线光亮固溶+钝化 Bright solution + passivation on line	大气固溶 Atmospheric solution	无固溶处理 No solution treatment
不锈钢质量 Stainless steel quality	管表面光亮，管道韧性好，内部结构稳定，结晶稳定 The pipe surface is bright, the pipe toughness is good. The internal structure is stable and the crystallization is stable	管道发黑 手动抛光处理 含动物油脂，国际禁止 Pipe blackening Hand polishing Contain animal grease, international prohibited	碳化铬析出 结晶混乱 有磁性 耐腐蚀性差 Chromium carbide precipitation Crystal disorder magnetic Poor corrosion resistance
焊缝表面 Pass surface	焊缝平整光滑，确保流体不残留，焊缝表面粗糙度 $\leq 0.8 \mu m$ The weld is smooth and smooth to ensure that no fluid remains, Weld surface roughness $\leq 0.8 \mu m$	焊接有明显突起或者凹陷 液体容易残留，滋生细菌 Welding has obvious protrusions or dents Liquids tend to remain and grow bacteria	焊缝有明显突起或者凹陷 液体容易残留，滋生细菌 Weld path has obvious protrusion or depression Liquids tend to remain and grow bacteria
耐腐蚀性 Corrosion resistance	好Good	差Poor	差Poor
碳含量 Carbon content	$\leq 0.03\%$	$\leq 0.07\%$	$\leq 0.07\%$
钝化膜 Passivation film	厚Less thick	薄Thin	薄Thin

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蝶阀 BUTTERFLY VALVE

好博蝶阀坚持扎实用料，对于材质，厚度，大小都有严格要求，相对于市面蝶阀，承压能力更强，使用寿命更长。蝶阀，无论手动或者自动操作，都可以用到食品加工，制药和化工等工业的流体产品应用中。

- ◆ 技术规格: 1/2" - 12", DN10 - DN300
- ◆ 材质: 304/316L, 1.4301/1.4404
- ◆ 压力: 10bar
- ◆ 温度: 130°C
- ◆ 连接方式: 焊接、螺纹、卡箍、法兰
- ◆ 执行标准: DIN, SMS, ISO, IDF, RJT, DS

Hope butterfly valve adhere to solid material, for the material, thickness, size have strict requirements, relative to the market butterfly valve, pressure capacity is stronger, longer service life. Butterfly valves, whether manually or automatically operated, can be used in fluid product applications in the food processing, pharmaceutical and chemical industries.

- ◆ Technical specification: 1/2" - 12", DN10 - DN300
- ◆ Material: 304/316L, 1.4301/1.4404
- ◆ Pressure: 10bar
- ◆ Temperature: 130°C
- ◆ Connection: welding, thread, clamp, flange
- ◆ Implementation standards: DIN, SMS, ISO, IDF, RJT, DS



止回阀 CHECK VALVE

好博卫生级快装止回阀有两种结构形式：止回阀采用卡箍连接方式，其特点是经济适用，是食品行业应用较为广泛的；止回由加厚阀体及两片阀组成，其特点是安装拆装方便。

- ◆ 连接形式: 螺纹式、焊接式、快装式、法兰对夹式
- ◆ 公称口径: DN15 - DN100(mm)
- ◆ 适用介质: 各种高腐蚀性化学介质
- ◆ 压力范围: 1.6 Mpa
- ◆ 适用温度: 常温
- ◆ 阀门材质: SUS304、SUS316L
- ◆ 驱动: 水力控制
- ◆ 应用: 乳品，制药，食品，饮料，啤酒，化工，水处理
- ◆ 标准: ISO, DIN, IDF, SMS, 3A
- ◆ 管道流量控制: DN25 - DN150及1" - 6", 应用于不锈钢管路系统
- ◆ 工作原理: 止回阀应用于不锈钢管道系统内，以达到防止流体回流的目的

There are two kinds of structure: the check valve adopts clamp connection mode, which is economical and applicable and widely used in the food industry; Check is composed of thickened valve body and two valves, which is characterized by easy installation and disassembly.

- ◆ Connection form: thread type, welding type, quick loading type, flange type
- ◆ Nominal diameter: DN15 - DN100(mm)
- ◆ Applicable media: all kinds of high corrosive chemical media
- ◆ Pressure range: 1.6Mpa
- ◆ Applicable temperature: normal temperature
- ◆ Valve material: SUS304, SUS316L
- ◆ Drive: hydraulic control
- ◆ Application: Dairy, pharmaceutical, food, beverage, beer, chemical, water treatment
- ◆ Standard: ISO, DIN, IDF, SMS, 3A
- ◆ Pipe flow control: DN25 - DN150 and 1" - 6", applied to stainless steel piping system
- ◆ Working principle: Check valve is used in stainless steel piping system to prevent fluid purpose of reflux



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球阀 BALL VALVE

好博机械卫生级球阀可以满足食品、生物制药领域各种介质的特别要求，其光滑、无缝、自动排空手工艺流体通道还非常适用于清洗的需要，在制造加工过程中严格按FDA要求进行质量监控。
驱动方式：手动、气动、电动。

Hope mechanical sanitary ball valve can meet the special requirements of various media in the field of food and biopharmaceutical, its smooth, seamless, automatic emptying handcraft fluid channel is also very suitable for cleaning needs, in the process of manufacturing and processing in strict accordance with FDA requirements for quality control.
Driving mode: manual, pneumatic, electric.



隔膜阀 DIAPHRAGM VALVE

隔膜阀是一种用途广泛的隔膜产品，适用于制药，生物，乳品，饮料，化工，化妆品，食品，电子等流体相关行业的流体控制系统，其优点在于使用时无死角，无泄漏，易清洗，维护成本低，易操作等多项优点，可实现自控与手动，为降低企业运行成本提供良好的产品。

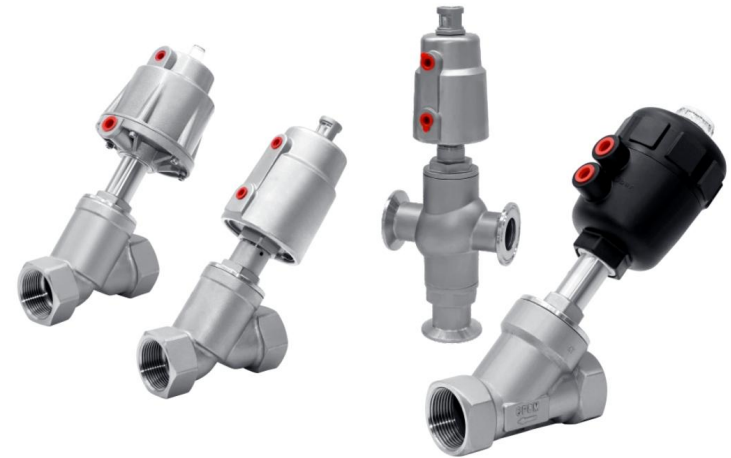
Diaphragm valve is a widely used diaphragm products, suitable for pharmaceutical, biological, dairy, beverage, chemical, cosmetics, food, electronics and other fluid-related industry fluid control system, its advantages are no dead Angle, no leakage, easy to clean, low maintenance cost, easy to operate and other advantages, can realize automatic control and manual control, to reduce enterprise operating costs to provide good products.



角座阀 ANGLE SEAT VALVE

角座阀因其能够保持流速能够节省空间、反应灵敏、动作准确、超长使用寿命、流量大，流阻小等有点；广泛适用于天然气、油品、化工、冶金、造纸、电办、矿业、印染、生物制药，日用化工，食品饮料，水处理及空气处理等行业的流体自动控制或调解控制，与自动化启动仪表配套使用。

Angle seat valve because it can maintain the flow rate can save space, responsive, accurate action, long service life, large flow, small flow resistance and so on; Widely used in natural gas, oil products, chemical industry, metallurgy, paper making, electricity, mining, printing and dyeing, biological pharmaceutical, daily chemical industry, food and beverage, water treatment and air treatment and other industries of fluid automatic control or mediation control, with automatic start instrument supporting use.



安全阀 SAFETY VALVE

卫生级安全阀的安全设计使得它能保护设备，所以它安装在排压力的回路，对管路、泵、装置、储罐等起安全保护作用。应用于食品、饮料、乳制品、制药、啤酒等行业。

The safety design of the sanitary safety valve makes it can protect the equipment, so it is installed in the pressure discharge loop, the pipeline, pump, device, storage tank and so on. Used in food, beverage, dairy, pharmaceutical, beer and other industries.



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座阀 SEAT VALVE

卫生级可用于单向或多向系统中停止流体或改变流向。特殊的防“吸出”密封设计，防止阀座密封因管道内的负压而被“吸出”。该阀在食品加工工业、饮料生产、精细化工工业中有着广泛的应用。座阀系列有：卫生型座阀、无菌座阀、高压座阀

Sanitary grade can be used to stop flow or change direction in unidirectional or multidirectional systems. Special anti-"suction" seal design prevents the seat seal from being "sucked out" due to negative pressure in the line. The valve is widely used in food processing industry, beverage production and fine chemical industry. Seat valve series: sanitary seat valve, sterile seat valve, high pressure seat valve



取样阀 SAMPLING VALVE

卫生级取样阀广泛应用于无菌条件下从罐体或管道系统中取样，并要求在每次取样之前和之后进行杀菌处理。无死角，杀菌彻底，可以连续并且随时进行无菌取样。广泛应用于生物制药提取、食品、酿酒、饮料、乳制品、牙膏化妆品等行业。

Sanitary sampling valves are widely used to take samples from tanks or piping systems under sterile conditions and require sterilization before and after each sample. No dead end, thorough sterilization, can be continuous and at any time sterile sampling. Widely used in biopharmaceutical extraction, food, wine, beverage, dairy products, toothpaste cosmetics and other industries.

优点

- ◆完全无死角，杀菌彻底
- ◆可用蒸汽或酒精进行原位消毒
- ◆物料直接用隔膜来密封
- ◆取样典型，重复性好
- ◆杜绝二次污染，大批取样，微量取样均可

Advantage

- ◆Completely no dead Angle, sterilization thoroughly
- ◆Steam or alcohol can be used for in situ disinfection
- ◆Material is sealed by diaphragm directly
- ◆Typical sampling, good repeatability
- ◆Put an end to secondary pollution, large sampling, trace sampling can be



清洗球 CLEANING BALL

好博机械清洗球利用喷嘴喷射水流的反作用力驱动自身旋转，消耗功率小，冲刷力大，具有自动调速特点，效率高，运转稳定。洗罐器结构紧凑，体积小，重量轻，使用维修均方便。

Hope mechanical cleaning ball uses the reaction force of nozzle jet water to drive its own rotation, small power consumption, large scouring force, with automatic speed regulation characteristics, high efficiency, stable operation. Can washer compact structure, small volume, light weight, easy to use and maintenance.



视镜 SIGHT GLASS

卫生级视镜是由不锈钢结构和特种玻璃组合而成。在食品加工、乳制品、饮料、化妆品、制药和精细化工工业中，可以通过视镜清晰并且精确的观察到物料的流动与输送情况，具有非常广泛的应用。

Sanitary sight glasses are made of stainless steel structure and special glass. In food processing, dairy products, beverages, cosmetics, pharmaceuticals and fine chemical industry, can clearly and accurately observe the flow and transportation of materials through the mirror, has a very wide range of applications.

耐压范围Withstand voltage range: 6-10 Bar
温度范围Temperature range: -20°C-150°C

DN	25	32	40	50	65	80
耐压(常温) Withstand voltage (Normal temperature)	10	10	10	8	7	6



离心泵 CENTRIFUGAL PUMP

卫生级离心泵的形式为单级、单吸、开式叶轮。泵壳叶轮经精心设计，减小了阻力、彻底消灭了卫生死角，由于其特殊的结构，所以提高了泵内液体的流速，从而提高了泵的整体性能且易清洗，具有卓越的卫生性能，它可以满足产品对卫生柔性处理的要求，并具有耐化学腐蚀性性能。

Sanitary centrifugal pump in the form of single stage, single suction, open impeller. Pump shell impeller by careful design, reduce the resistance, completely eliminate the sanitary dead Angle, because of its special structure, so improve the flow rate of the liquid in the pump, so as to improve the overall performance of the pump and easy to clean, has excellent health performance, it can meet the requirements of the product for health flexible treatment, and has chemical corrosion resistance.

