

HaioU SMARTJECT



HaioU 海鸥医疗

HaioU Medical

医疗器械专业制造商

Medical devices manufacturer

国家高新技术企业

National high-tech enterprise

广东海鸥医疗器械股份有限公司
Guangdong Haiou Medical Apparatus Co., Ltd.



**World Health
Organization**

FDA



COMPANY INTRODUCTION

企业简介

广东海鸥医疗器械股份有限公司（简称“海鸥医疗”），是专业从事无菌医疗器械产品研发、生产、销售、服务的创新型科技企业。

公司创建于1997年，属国家食品药品监督管理局审批认可的无菌医疗器械专业生产厂家。作为专注于安全医疗器械研发的领先企业，海鸥医疗为世界提供安全的注射解决方案。同时，积极倡导医疗机构使用安全类医疗器械，确保病人及医务人员的健康安全得到更有效防护。

公司通过国际质量体系ISO13485认证，主导产品通过欧盟CE认证，自毁式注射器、安全式注射器获得了世界卫生组织（WHO）PQS认证，安全式注射器还通过了美国FDA 510（k）的上市前审查。经过多年的市场推广，产品远销欧洲、美洲、东南亚、中东和非洲等地区，在国内也正逐步成为行业内的领先企业。

海鸥医疗将通过自身雄厚的研发实力，自主创新，使技术保持在行业领先水平，并通过不断的创新和成长，开发出更安全、高质量的医疗器械产品，为人类医疗健康事业创造出更多的价值。

Guangdong Haiou Medical Apparatus Co., Ltd. (hereinafter referred to as "Haiou Medical"), which is a High-Tech Enterprise specialized in research, producing, sales and services of disposable medical device, and the leading enterprise of Safety injection medical device.

Haiou Medical was established in 1997, which is a professional manufacturer of disposable medical device, approved by the China Food and Drug Administration. As a leading company focus on the R&D of safety medical devices, Haiou Medical provides the advanced solution of safety injection in the world. In addition, we actively advocate medical institutions to use safety medical devices, to ensure more effective protection of safety and health for patients and health-care workers.

The company passed the international quality system ISO13485 approval, main products with CE Certificate. Auto disable syringe and Safety syringe obtained WHO PQS Certificate, and Safety syringe also passed the FDA 510(k) Premarket Review. After years marketing, we have extended our business to Europe, America, Southeast Asia, Middle East, Africa and other region. In domestic market, Haiou Medical is gradually becoming the leading enterprise in medical industry.

Haiou Medical will through its own abundant R&D strength and independent innovation to maintain the technology in industry-leading level. At the same time, through constant innovation and growth, develops more safety and high quality medical device to create more value of human healthcare career.



THE HISTORY OF HAIYOU MEDICAL

发展历程

- 2016年** 通过国家高新技术企业复审
- 2015年** “安全自毁注射器”通过美国FDA认证，获准进入美国市场；取得国家食品药品监督管理局颁发的多张医疗器械生产批文
- 2014年** 海鹰医疗位于普宁市环城北路新产业园开始投建，产品线进行拓展，投入了呼吸麻醉系列产品的设计和研发
- 2013年** 获得“国家高新技术企业”和“诚信单位”荣誉称号
安全自毁注射器通过世界卫生组织PQS预认证
- 2012年** 获得多个实用新型、发明专利。其中刺破式自毁注射器获得“省高新技术产品”证书
- 2011年** 海鹰医疗更名为“广东海鹰医疗器械股份有限公司”
- 2009年** 成为国内第二家通过世界卫生组织PQS认证的注射器企业。
- 2007年** 获得“省高新技术企业认定证书”。
- 2006年** 建立以自毁注射器、安全注射器等高新技术产品为主导的生产经营路线。
- 2005年** 获得“民营科技企业证书”荣誉称号。
- 2003年** 获得欧盟CE证书和ISO13485国际质量体系证书，进入国际市场。
- 2002年** 自毁注射器开始进行国际市场并获得国家专利证书。
- 2000年** 建立研发部，开始研发自毁注射器，走科技创新之路。
- 1997年** 普宁市海鹰医疗器械有限公司正式创建，注册商标为“铁山兰”，专业生产一次性无菌医疗器械产品。

- 2016** Haiyou Medical passed the National High-New Technology Enterprise Review
- 2015** Safety syringe passed the FDA 510(k) Premarket Review to enter the America market; We obtained a plurality of license issued by the CFDA for medical devices production
- 2014** Haiyou Medical new Industry Park in North Puning City started construction, expanded production lines and devote to design and development a series of breathing anesthesia products
- 2013** We awarded the honor of National Enterprise of High-New Technology and Integrity Unit
Needle retractable safety syringe passed WHO PQS prequalification
- 2012** We obtained a plurality of Utility Model & Invention Patents,
Auto disable syringe was rated as High-New Technology product of Guangdong Province
- 2011** Haiyou Medical was renamed to "Guangdong Haiyou Medical Apparatus Co., Ltd."
- 2009** Haiyou Medical has been the second enterprise to gained WHO PQS Certificate for syringe in China.
- 2007** We awarded High-New Technology Enterprise of Guangdong Province.
- 2006** We began to establish a production line guided by the high-new technology products on Auto disable syringe and Safety syringes etc.
- 2005** We awarded Private Science and Technology Enterprise of Guangdong Province
- 2003** We attained CE and ISO 13485 Certificates and entered into international markets.
- 2002** Auto disable syringe began enter international market and gained the National Patent Certificate.
- 2000** We set up R&D Department and began to develop Auto disable syringe, taking the way of independent technological innovation
- 1997** Puning Haiyou Medical Appliance Co., Ltd. is established, specialized in manufacturing disposable medical device with registered trademark "Tie Shan Lan"



AUTOMATIC EQUIPMENT

进口自动化设备

海鸥拥有符合GMP标准的十万级净化车间6000多平方米，采用先进的生产设备和试验仪器，推行现代化工艺操作和完善的检测流程与方法，全程通过严格的质量控制系统，确保质量和控制产品单耗，生产出符合标准的高品质产品。

Haiou Medical have more than 6,000 square meters GMP 100,000 grade purified workshop and have purchased High-tech equipments and employed modern scientific methods to assure the quality of products.



GLOBAL SALES NETWORK

全球销售网络



全球销售网络不断拓宽

Global Market Is Growing Quickly

凭借过硬的产品质量，及多年的销售经验积累，目前在欧洲、美洲、东南亚、中东、非洲等地区建立了市场，产品销往多个国家与地区。

Relying on high quality product and years of international sales experience, at present, Haiou Medical has been building up sales market in Europe, America, Southeast Asia, Middle-East, Africa and etc. Now it is growing very quickly!

主要市场 MAIN MARKET

Asia: China, Indonesia, Malaysia, Philippines, Thailand, India, Pakistan;

Africa: Morocco, Yemen, Nigeria, Uganda, Sudan, South Africa;

Europe: England, Switzerland, Germany, Italy, Spain, Monaco;

America: USA, Bolivia, Brazil, Chile, Peru, Venezuela etc.

SYSTEM OF QUALITY ASSURANCE AND CONTROL

完善在质量保证和控制体系

用户至上，健康无价。
Client Supreme, Health is priceless

本着用户至上，健康无价的企业理念，海鸥医疗始终把产品质量放在第一位。公司拥有设施先进完善的物理性能检验室、化学性能检验室及微生物实验室，实施全过程检验，确保产品的安全性能。

To implement our mission that *Client supreme, Health matters*, Haiou Medical ranks quality the priority all the time. Our company possesses physical property examination lab, chemical property examination lab and microbiological lab with advanced and perfect equipments. Examinations have been carried out during the whole manufacturing procedure for ensuring safe property of products.





现代化全自动环氧乙烷灭菌系统和纯化水、注射用水制水设备为产品品质提供保证。

Modernized auto EO sterilizer system and advanced water technology for purified water and injection water provide guarantee for product quality.

公司荣誉



Haio Medical is one of earlier manufacturer which passed CE certificate and ISO13485 quality system certificate and the second manufacturer passed WHO PQS pre-qualification in China



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World health organization (WHO) defines a “safe injection” as

1. Does not harm the recipient;
2. Does not expose the provider to any avoidable risk;
3. Does not result in waste that is dangerous for the community

In 2015, WHO released WHO guideline on the use of safety-engineered syringes for intramuscular, intradermal and subcutaneous injections in health-care settings, provides detailed recommendations highlighting the value of safety features for syringes. WHO is urging countries to transition, by 2020, to the exclusive use of the new “smart” syringes, on one hand to prevent syringe re-use, on the other hand to prevent health-care workers being caused infection by needle stick injuries.

Injections are one of the most common health-care procedures. Every year at least 16 billion injections are administered worldwide, WHO estimated that about 40% is

unsafe, in 2010, through an unsafe injection:

Up to 1.7 million people were infected with hepatitis B virus;

Up to 315,000 with hepatitis C virus;

Up to 33,800 with HIV.

Other blood borne diseases transmitted through the reuse of injection equipment e.g. haemorrhagic fevers such as Ebola and Marburg viruses, malaria, and others.

“Adoption of safety-engineered syringes is absolutely critical to protecting people worldwide from becoming infected with HIV, hepatitis and other diseases. This should be an urgent priority for all countries,” says Dr Gottfried Hirnschall, Director of the WHO HIV/AIDS Department.

Extracts: WHO calls for worldwide use of “smart” syringes, WHO, 2015

Haiou's Solution +

As a leading company focus on the R&D of safety medical devices, we devote ourselves to solve the unsafe injection problem in the medical institutions since 2002. We has engineered Auto retractable safety syringe, Needle retractable safety syringe and Auto disable syringe and etc.

The main advantages of new structures are the mandatory destroy after used safety retracted function. In technology, it eliminates syringe reuse and danger of needle-stick injuries. It's a technology innovation and major breakthrough in the medical field.

Auto
retractable
safety syringe

Needle
retractable
safety syringe

Auto disable
syringe



INFUSION & INJECTION SERIES

输注器械类



自动回缩安全注射器 Auto retractable safety syringe

+ 产品优势 / Product advantages

- 单手安全操作，单手激活
- 药物注射完成后自动回缩
- 自动回缩后保护针尖不暴露
- 无需增加额外操作步骤，减少培训成本
- 固定针头，无特别死腔，药液残留量低
- 减少废弃物体积及处理成本
- Single use safety with one handed operation;
- Fully auto retraction after medication is discharged;
- Non-exposure of needle after automatic retraction;
- Requires minimum training;
- Fixed needle, no dead space;
- Reduces disposal size and cost of waste disposal;



Also available with other needle size on request
针头也可根据要求更换大小

规格 / Specification				
0.5ml	1ml	2-3ml	5ml	10ml

针头规格 / Needle gauge					
18G	19G	20G	21G	22G	23G
24G	25G	26G	27G	29G	30G

+ 操作参考图/ How to use

按标准程序抽取药液
Draw up medicine using standard procedure

使用无菌技术进行注射
Give injection using aseptic techniques

完全按压芯杆激活回缩机制
Fully depress the plunger to activate retraction

针自动缩回到针筒并锁定
Needle automatically retract into plunger & locked

将注射器丢进锐器箱
Dispose of syringe in sharps container

回拉式安全自毁注射器 Needle retractable safety syringe

+ 产品优势 / Product advantages

- 全球唯一45°角回缩独家专利技术
- 45°角安全回弹锁卡式自动隐藏针头
- 防止血液接触/防止医源性污染
- 防止针刺伤/防止锐器废弃针刺伤
- 单手操作，单手激活
- 无需改变注射操作习惯
- 更有竞争力优势的价格
- Fingers stay behind the needle at all times
- Non-exposure of needle after manual retraction
- Requires minimum training
- No add-on pieces allows for low angle injections
- Retract speed under control - no splatter after activation
- Competitive price advantage over other safety technologies



Also available with other needle size on request
针头也可根据要求更换大小

一次性使用回拉式自毁注射器 / specification

2ml	2.5ml	3ml	5ml	10ml
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一次性使用无菌自毁型固定剂量疫苗注射器 / specification

0.1ml	0.2ml	0.3ml	0.4ml	0.5ml	1ml
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胰岛素U-100或U-40 / Insulin Syringe size (U-100 or U-40)

0.3ml	0.5ml	1ml
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针头规格 / Needle gauge

18G	19G	20G	21G	22G	23G
24G	25G	26G	27G	29G	30G

+ 操作参考图/ How to use

抽药前旋紧针座，使用标准程序抽取药液 Be sure needle fix tightly and draw up medicine using standard procedure 1	注射完成的同时针管被芯杆锁住 Give injection using aseptic techniques, fully depress the plunger to lock the needle 2
将芯杆回拉，使针头完全缩回外套 Pull plunger back until needle fully be retracted into the barrel. 3	沿切口处折断芯杆，针头得到防护。 Snap off the plunger, the used needle will be encased inside the barrel 4

刺破式自毁注射器 Auto disable syringe

+ 产品优势 / Product advantages

- 独特的自毁机制确保药物注射完后永久自毁
 - 单手操作，单手激活
 - 操作过程手指一直远离针尖
 - 直口设计适用所有标准注射针
 - 无需改变注射操作习惯
 - 符合ISO自毁注射器标准
- 独特的自毁机制
独家专利保护
世界卫生组织PQS认证
Unique auto-destruct function
Exclusive patent protection
WHO PQS certificates
- Single handed operation and activation;
 - Fingers stay behind the needle at all times;
 - No change in injection technique;
 - Luer slip fits into all standard hypodermic needles;
 - Meets ISO standards of syringes with re-use prevention feature.



Also available with other needle size on request
针头也可根据要求更换大小

规格 / Specification

1ml	2-3ml	5ml	10ml	20ml	30ml	50ml
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针头规格 / Needle gauge

18G	19G	20G	21G	22G	23G
24G	25G	26G	27G	29G	30G

+ 操作参考图 / How to use

使用标准程序抽取药液 Draw up medicine using standard procedure 	取下止误块后进行注射 Take off protector and give injection using aseptic techniques 
注射完成时芯杆启动自毁机制 Fully depress the plunger to activate auto-destruct mechanism 	将自毁注射器放置于尖锐物容器 Dispose of syringe in Sharps container 

一次性使用无菌注射器 带针 Disposable syringe with needle

- 材料：医用级高透明PP原料
- 国际标准6：100直口接头
- 针头规格可选配
- 外套清晰透彻，便于观察药液；刻度油墨附着力强，不易脱落
- 胶塞采用特定橡胶材质，密封性及滑动性能极佳
- 包装：PE袋包装和吸塑包装
- 产品经环氧乙烷灭菌，无毒，无热源。
- Material: Medical grade high transparent PP
- International standard 6:100 Luer Slip nozzle
- Needles size is optional
- High clarity barrel convenient for observation of medication; The scale ink adhesion is strong, not easy to erase
- Stopper made of special rubber material, which excellent sealing and sliding properties
- Package: PE bag or Blister package
- EO gas sterilized, non-toxic, pyrogen-free



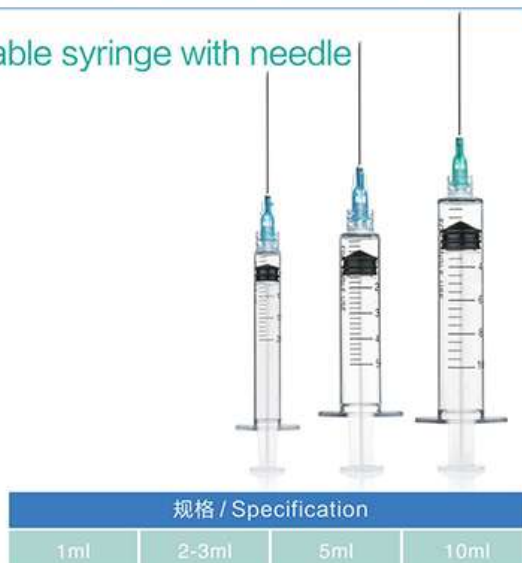
一次性使用配药用注射器 带针 Disposable dispensing syringe with needle

- 材料：医用级高透明PP原料
- 国际标准6：100直口接头
- 针头规格可选配
- 外套清晰透彻，便于观察药液；刻度油墨附着力强，不易脱落
- 胶塞采用特定橡胶材质，密封性及滑动性能极佳
- 包装：PE袋包装和吸塑包装
- 产品经环氧乙烷灭菌，无毒，无热源。
- Material: Medical grade high transparent PP
- International standard 6:100 Luer Slip nozzle
- Needles size is optional
- High clarity barrel convenient for observation of medication;
- The scale ink adhesion is strong, not easy to erase
- Stopper made of special rubber material, which excellent sealing and sliding properties
- Package: PE bag or Blister package
- EO gas sterilized, non-toxic, pyrogen-free



一次性使用无菌注射器 带针 Disposable syringe with needle

- 材料：医用级高透明PP原料
- 国际标准6：100螺口接头
- 针头规格可选配
- 外套清晰透彻，便于观察药液；刻度油墨附着力强，不易脱落
- 胶塞采用特定橡胶材质，密封性及滑动性能极佳
- 包装：PE袋包装和吸塑包装
- 产品经环氧乙烷灭菌，无毒，无热源。
- Material: Medical grade high transparent PP
- International standard 6:100 Luer Lock nozzle
- Needles size is optional
- High clarity barrel convenient for observation of medication; The scale ink adhesion is strong, not easy to erase
- Stopper made of special rubber material, which excellent sealing and sliding properties
- Package: PE bag or Blister package
- EO gas sterilized, non-toxic, pyrogen-free



一次性使用精密过滤输液器 Disposable precision infusion set



1 精密过滤 Precision filter

精密过滤器能过滤掉直径 $\geq 5\mu\text{m}$ 的不溶性微粒，滤除率 $>95\%$ ，当药液达到精密过滤装置时，不溶性微粒被截留，有效的阻止了药液中不溶性微粒进入血液，对人体产生危害。

Precision filter can filter diameter $\geq 5\mu\text{m}$ insoluble particles, the filtering efficiency is $>95\%$, when the solution arrive the filter, the insoluble particles trapped, to stop them enter into blood and harm human body.

2 自动止液 Auto stop liquid

药物在输液结束时，能够在过滤器以下及时自动止液，延迟回血，从而让患者真正的安心，减少护士工作压力。

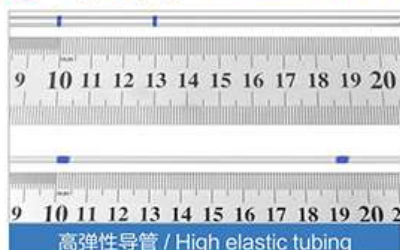
When infusion is finished, the solution below the filter can auto stop, delay blood return, to ensure patients really feel at ease, reduce the work pressure of nurses.

3 自动排气 Auto vent

能将过滤器上导管中的气体经由过滤器自动排出，防止气体进入患者血管，减少传统式的排气步骤。

The gas through the filter can be automatically discharged through the filter to prevent gas from entering into patient's blood vessels, reduce the traditional exhaust operation.

+ 细节展示 / Details description



一次性使用输液器 带针 Disposable infusion set with needle

- 适用于重力输液
- 医用级无毒PVC材料制成
- 加药口：Y型三通、乳胶管
- 标准螺口接口带药液过滤膜，安全不易脱落
- 包装材料：PE袋或纸塑袋
- 产品经环氧乙烷灭菌、无热源
- Apply to gravity infusion
- Made of Medical grade non-toxic PVC
- Injection Port: Y Type 3 ways, latex tubing
- Standard Luer lock Connector with medicament filter membrane, safety and not easy to detached
- Package: PE bag or Paper-poly pouch
- EO gas sterilized, pyrogen-free



一次性使用输液器 Disposable infusion set

- 适用于重力输液
- 医用级无毒PVC材料制成
- 适用于输液瓶或输液袋
- 注塑滴斗带药液过滤膜
- 可选配：标准直口、螺口接口、针头及Y型三通加药口
- 包装材料：PE袋或纸塑袋
- 产品经环氧乙烷灭菌、无热源
- Apply to gravity infusion
- Made of Medical grade non-toxic PVC
- Suitable for infusion bottle or infusion bag
- Injection drip chamber with medicament filter membrane
- Optional: Standard Luer Slip, Luer Lock Connector, Needle and Y Type 3 ways injection port
- Package: PE bag or Paper-poly pouch
- EO gas sterilized, pyrogen-free



一次性使用精密过滤输液器 Disposable precision infusion set

- 适用于重力输液
- 进口医用级高弹性材料制成，柔软不易打折
- 适用于输液瓶或输液袋
- 流量调节器：人性化设计，流畅、精准、舒适
- 精密过滤、自动排气、自动止液三效合一
- 包装材料：纸塑袋
- 产品经环氧乙烷灭菌、无热源
- Apply to gravity infusion
- Made of imported medical grade high elastic material, soft and not easy to bend
- Suitable for infusion bottle or infusion bag
- Flow regulator: Humanization design, fluency, precise, comfortable
- Precision filter, Auto vent, Auto stop liquid, three functions in one
- Package: PE bag or Paper-poly pouch
- EO gas sterilized, pyrogen-free





一次性使用注射针 / Disposable needle



一次性使用安全注射针 / Disposable safety needle



普通头皮针 / Disposable scalp vein set



安全头皮针 / Safety scalp vein set



胰岛素注射器 / Insulin syringe



安全胰岛素注射器 / Safety Insulin syringe



冲洗器 / Disposable Irrigation syringe



笔型留置针 / IV Cannula (pen type)



加药型留置针 / IV Cannula (With injection port)



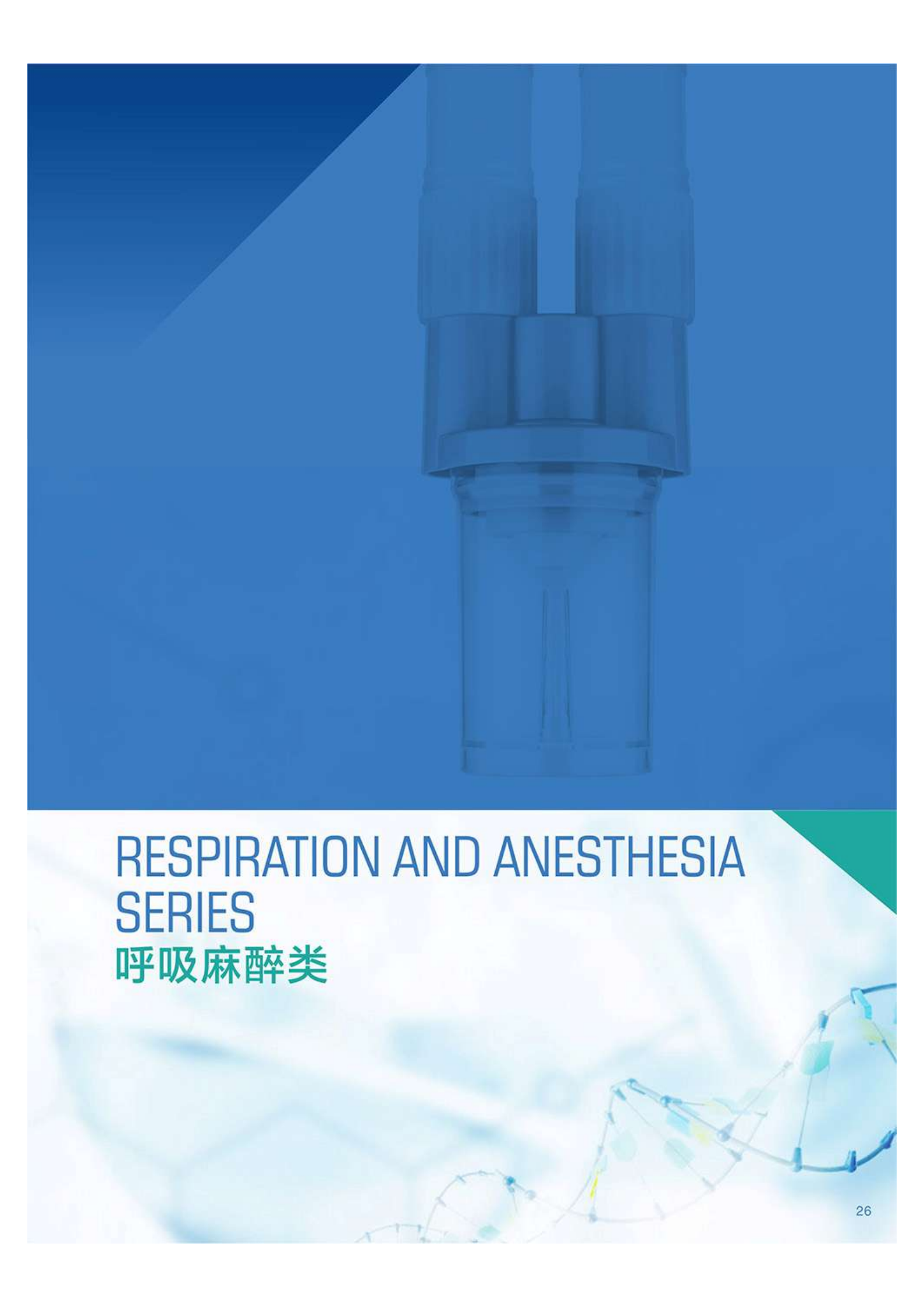
安全肿瘤穿刺针 / Safety huber needle



无针接头 / Needle free connector



连接粒 / Injection plug

The background of the slide is split into two main sections. The top section has a solid blue background with a faint, semi-transparent image of a medical device, possibly a ventilator or a specialized syringe, centered vertically. The bottom section has a light blue background with a faint, semi-transparent image of a DNA double helix structure. A green triangle is located in the bottom right corner of the slide.

RESPIRATION AND ANESTHESIA SERIES

呼吸麻醉类

一次性使用麻醉回路 Disposable anesthesia circuit

- 采用医用级高分子材料制造，无毒，无刺激
- 符合国际标准的接头，与国内外各种型号麻醉机相互匹配，连接牢固，密封性好
- L型接头配有温度和压力监测口，便于取样和监测
- 单个病人一次性使用，避免交叉感染
- 类型：波纹管；可伸缩管（管体可任意伸缩、调整长度、使用方便，更利于医生的操作）
- 规格：成人型，儿童型



可伸缩 / Expandable

- Made of medical grade polymer material, non-toxic and no stimulation
- Connector accord with ISO standard, match with all Anesthesia & Breathing machines, secure connection, reliably sealing
- L type connector with temperature and pressure monitoring port, convenient to sampling and monitor
- Single use and avoid cross infection
- Type: Corrugated tube; Expandable tube (Can fold or extend to control the length, easy for use, and convenient doctors to operate.)
- Size: Adult and Pediatric



不可伸缩 / Non-Expandable

管长 / Tube length			
1.2m	1.6m	1.8m	可依客户定制 Customized

+ 可选配件 / Accessories



面罩 / Mask

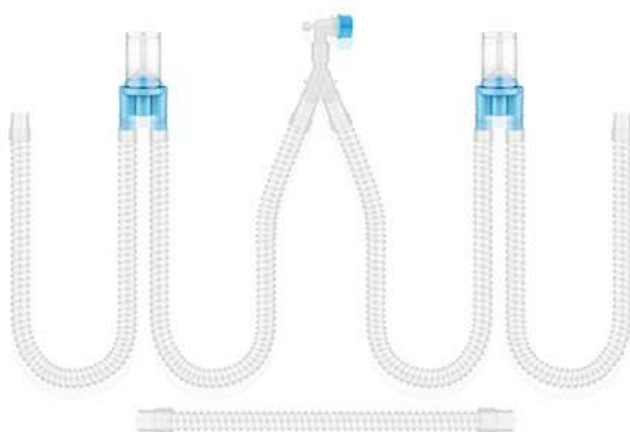


细菌过滤器 / Bacterial filter



呼吸袋 / Breathing bag

一次性使用呼吸回路 Disposable breathing circuit



一次性使用呼吸回路（加强管）
Reinforced type



一次性使用呼吸回路（波纹管）
Corrugated type

- 采用医用级高分子材料制造，无毒，无刺激
- 符合国际标准的接头，与国内外各种型号麻醉、呼吸机相互匹配，连接牢固，密封性好
- L型接头配有检测口，便于取样和检测
- 集水杯可收集储存管路内的冷凝水
- 单个病人一次性使用，避免交叉感染
- 规格：成人，儿童

- Made of medical grade polymer material, non-toxic and no stimulation
- Connector accord with ISO standard, match with all Anesthesia & Breathing machines, secure connection, reliably sealing
- L type connector with detection port for sampling and testing easily.
- Water traps can collect condensate water from breath circuit.
- Single use and avoid cross infection
- Size: Adult and Pediatric

管长 / Tube length			
1.2m	1.6m	1.8m	可依客户定制 Customized

+ 零部件介绍 / Components introduction



细菌过滤器(人工鼻) Disposable bacterial filter

一次性使用细菌过滤器采用医用级高分子材料制造，主要用于呼吸机及麻醉机管路中过滤细菌，微粒及增加气体湿热程度（保温保湿），并能有效防止患者之间交叉感染，是呼吸机麻醉机配套使用的一次性医疗器械（俗称人工鼻）。本产品为一次性使用产品，经环氧乙烷灭菌，无菌，无毒；无棱角的安全外形设计，适用于儿童和成人。

Disposable bacterial filter made of medical grade polymer materials, mainly used to filter bacteria, particles and increase gas heat and humidity degree (heat-insulating humid-holding) in the tube for breathing and anesthesia machine, effectively prevent patient cross infection and manly used as medical accessory. The product steriled by EO gas, non-sterile, non-toxic; No sharp edges safety design, suitable for child and adult.

产品名称			
	细菌过滤器	保温保湿型细菌过滤器（弯头）	保温保湿型细菌过滤器
规格	HO-7010	HO-6130	HO-6020
过滤介质	静电式疏水性聚丙烯材质	静电式疏水性聚丙烯材质	静电式疏水性聚丙烯材质
标准接头	22F/15M-15F/22M	22F/15M-15F/22M	22F/15M-15F/22M
气体取样孔	ISO 鲁尔锁定接口	ISO 鲁尔锁定接口	ISO 鲁尔锁定接口
过滤率	≥99%	≥99%	≥99%
潮气量	--	150-1200	150-1200
气流阻力	<1.5cm H2O/(L/min)	<1.5cm H2O/(L/min)	<1.5cm H2O/(L/min)



OXYGEN & AEROSOL THERAPY AND CATHETER SERIES

吸氧和雾化治疗及导管类



一次性使用吸氧管（带湿化瓶） Disposable nasal oxygen cannula (with humidifier bottle)

一次性使用吸氧管（带湿化瓶）由氧气湿化瓶、湿化液和鼻氧管组成；其主要作用是将干燥的氧气湿化，滋润气道，用于医用中心供氧系统，供医疗单位急救给氧，给缺氧病人作氧气吸入用。本产品采用氧气湿化完全密封设计，无需另行加注湿化液，避免相关院内感染，吸氧更安全。

Disposable nasal oxygen cannula (with humidifier bottle) is consisted of oxygen humidifier bottle, humidification fluid and nasal oxygen cannula. It is designed to humidify dry oxygen, moisturizing the airway, mainly used for oxygen provision in first aid, hypoxia patients inhale oxygen in medical center oxygen system. The completely sealed design of oxygen humidification dispenses with filling humidification fluid, to avoid the relevant hospital infection, oxygen Inhalation is more secure.

+ 产品优势 / Product advantages

- 防漏水密封帽设计
- 快速装卸接头
- 高压保护装置
- 防逆流设计
- 高透明瓶身
- 全程无菌密封吸氧
- 充分湿化，降低噪音
- 舒适柔软鼻套设计
- Watertight sealing cap
- Quick install & deinstall connector
- High pressure protection valve
- Anti-refluence design
- High transparent bottle
- Whole aseptic sealed for oxygen
- Fully humidify and reduce noise
- Comfortable & soft nose tip



规格 / Specification	
HO-A-I	150ml 湿化液装量成人型吸氧管 / 150ml + Adult
HO-A-II	150ml 湿化液装量儿童型吸氧管 / 150ml + Pediatric
HO-B-I	120ml 湿化液装量成人型吸氧管 / 120ml + Adult
HO-B-II	120ml 湿化液装量儿童型吸氧管 / 120ml + Pediatric

一次性使用雾化器 Disposable nebulizer kit

一次性使用雾化器主要由雾化芯、药物杯、输气管、咬嘴或面罩及松紧带组成。

相对于传统的服药治疗哮喘等呼吸道的疾病的手段，一次性使用雾化器将药液雾化成微小颗粒，药物通过呼吸吸入的方式进入呼吸道和肺部沉积，湿化气道，稀释痰液，从而达到无痛、迅速有效治疗，可以普遍用于各种呼吸道疾病。

Disposable nebulizer kit is consisted of nebulization core, medicine cup, oxygen tube, mouthpiece or mask and elastic cord. Compared to the traditional medication treatment against asthma and other respiratory diseases, Disposable nebulizer kit atomize liquid medicine into small particles, the drug inhaled into respiratory tract through breathing and depositing in the lung, to humidify the airway and dilute the sputum, thus to achieve painless, rapid and effective treatment, it can be commonly used in a variety of respiratory diseases.



规格 / Specification	
HO-W01	手把式口含型雾化器 / Hand type with mouthpiece
HO-W02	手把式儿童面罩型雾化器 / Hand type with pediatric mask
HO-W03	手把式成人面罩型雾化器 / Hand type with adult mask
HO-W04	手把式儿童综合型雾化器 / Hand type with pediatric composite kit
HO-W05	手把式成人综合型雾化器 / Hand type with adult composite kit
HO-W06	圆杯式儿童面罩型雾化器 / Round cup type with pediatric mask
HO-W07	圆杯式成人面罩型雾化器 / Round cup type with adult mask

一次性使用无菌供氧管 Disposable nasal oxygen cannula

+ 产品说明 / Product Information

- 医用级无毒高分子材料制成，柔软透明
- 供呼吸困难、缺氧病人输氧使用
- 类别：双腔、单腔
- 规格：成人、儿童、婴儿
- 包装材料：PE袋或纸塑袋
- 产品经环氧乙烷灭菌
- 鼻塞用料柔软、有弹性，无气味，对鼻腔刺激小
- 耳挂式结构设计，使用舒适，易固定更安全
- 管体为梅花型加强管壁设计，抗挤压、防变形，保证供氧通道畅顺
- Made of non-toxic, medical grade polymer material, soft and transparent
- Use for patient which dyspnea, anoxia
- Type: one way tip and two ways tip
- Size: Adult, pediatric, Neonate
- Package: PE bag and Paper-poly pouch
- EO gas sterilized
- Soft and light nasal tip, flexible, odorlessness, less nasal irritation
- Over-the ear-style fits easier, ensure conform and safety
- Wintersweet lumen tubing, anti-crush, ensure smooth oxygen transportation



吸氧面罩 Oxygen mask

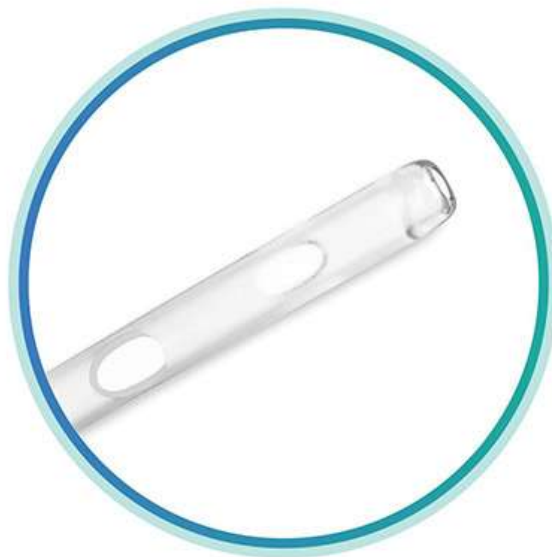


雾化面罩 Nebulizer mask



一次性使用无菌吸痰管 Disposable suction catheter

- 医用级无毒PVC材料制成
- 分透明管与磨砂管两种
- 包装材料：PE袋或纸塑袋
- 产品经环氧乙烷灭菌
- 接头采用色标区分规格，接头类型分为飞机头、手控式接头及喇叭头
- 平滑的侧孔及开口末端处理，有效减少插管时对食道黏膜的损伤。
- Made of medical grade non-toxic PVC
- With transparent tube and frosted tube
- Package: PE bag and Paper-poly pouch
- EO gas sterilized
- Color-code connector for identification of different sizes, with connectors of airplane type, finger control type and funnel type
- Perfectly smooth side eyes and opened distal end for less hurt to esophageal mucosa.



规格 / Specification

FR6	FR8	FR10	FR12	FR14	FR16	FR18	FR20
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HOS31



HOS32



HOS33



一次性使用无菌喂食管 Disposable feeding catheter



规格 / Specification

FR4	FR6	FR8	FR10	FR12	FR14	FR16	FR18
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一次性使用无菌胃管 Disposable stomach catheter



规格 / Specification

FR6	FR8	FR10	FR12	FR14	FR16	FR18	FR20
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一次性使用无菌导尿管 Disposable nelaton catheter



规格 / Specification

FR6	FR8	FR10	FR12	FR14	FR16	FR18	FR20
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一次性使用无菌肛门管 Disposable rectal catheter



规格 / Specification

FR18	FR20	FR22	FR24	FR26	FR28	FR30	FR32	FR34
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广东海鸥医疗器械股份有限公司

GUANGDONG HAIYOU MEDICAL APPARATUS CO., LTD.

☎ TEL: +86-663-2758666 FAX: +86-663-2905999

✉ EMAIL: sales@haiou.net.cn 🌐 WEBSITE: www.haiou.net.cn

📍 广东省普宁市流沙北南园工业区
Nanyuan Industrial Zone, North Liusha, Puning City, Guangdong, China