

成就客户的事业
就是成就我们的事业
To achieve our customers' business
is to achieve our own career



灭菌设备
Sterilization equipment

 天水华圆医疗器械有限公司
Tianshui Huayuan Medical Instrument Co., Ltd

地址: 甘肃省天水市麦积区社棠工业园华圆大道2号
网址: www.hyy1-tech.cn
电话: 0938-2736575/0938-2732215



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Address: No.2, Huayuan Avenue, Shetang Economic Development Area,
Maiji District, Tianshui City, Gansu, China
Telephone: 0938-2736575/0938-2732215
Website: www.hyy1-tech.cn

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TIANSHUI HUAYUAN MEDICAL INSTRUMENT CO., LTD



企业简介 Enterprise brief introduction

天水华圆医疗器械有限公司始建于1958年，前身为原甘肃省医疗器械厂，是国家级医疗装备生产基地之一。2004年，成功转型并加盟甘肃华圆投资控股（集团）有限公司，现已发展成为高科技型装备制造企业。

公司坚持：技术和管理创新是企业腾飞的支点。截止目前，研制领域已包括干燥设备、制药设备、医疗设备、食品设备、化工设备、环保设备和微波能设备，主要产品近700个品种。其中，粉体射流灭菌机和粉体混合干燥灭菌机成为独具特色的专利产品，已为国内多家知名制药企业、食品企业提供服务；医用和制药用灭菌设备成为国内知名的灭菌器品牌。

公司不仅拥有雄厚的设计、生产和销售实力，而且拥有科学的管理理念和周到的售后服务保障体系。已通过ISO9001-2008国际质量体系认证和ISO13485医疗器械质量管理体系认证。“剑齿象”牌系列消毒灭菌设备连续多年荣获国家《中国知名灭菌器十佳品牌》，2009年“剑齿象”，被甘肃省评为著名商标。“金银花”牌远红外辐射中药煎药机获国家科技进步二等奖并远销东南亚地区，深受用户青睐。

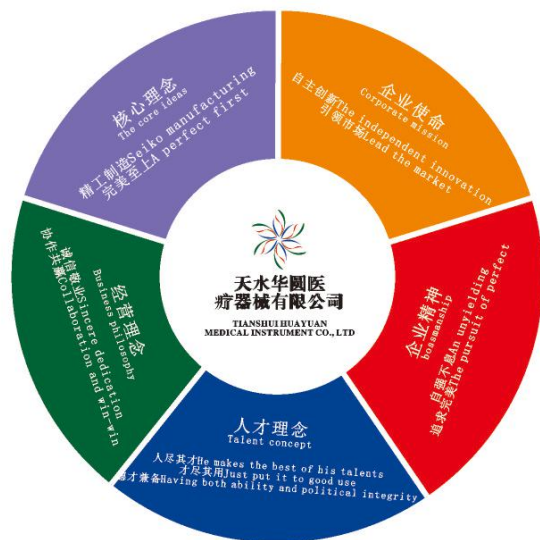
“大行德健，华圆志远”，我们期待与新老朋友共创美好未来。

Tianshui huayuan medical equipment co., LTD. founded in 1958, formerly known as gansu province medical equipment factory, is one of the national medical equipment production bases. In 2004, it successfully transformed and joined Gansu Huayuan Investment Holding (Group) Co., Ltd., and now it has developed into a high-tech equipment manufacturing enterprise.

The company insists: technology and management innovation is the fulcrum of enterprise take-off. Up to now, the research field has included medical equipment, pharmaceutical equipment, food equipment, chemical equipment, environmental protection equipment and microwave energy equipment, the main products nearly 700 varieties. Among them, the powder jet sterilization machine and powder mixing drying sterilization machine has become a unique patent products, has been a number of well-known domestic pharmaceutical enterprises, food enterprises to provide services; Medical and pharmaceutical sterilization equipment has become a well-known sterilization brand in China.

The company not only has a strong design, production and sales strength, but also has a scientific management concept and thoughtful after-sales service guarantee system. It has passed ISO9001-2008 international quality system certification and ISO13485 medical device quality management system certification. 'Soberdon' brand disinfection and sterilization equipment has been awarded the national 'Top Ten Brands of China's Famous Sterilizers' for many years, and 'Soberdon' was awarded as a famous trademark by Gansu Province in 2009. 'Honeysuckle' brand far infrared radiation Chinese medicine decocting machine won the second prize of national scientific and technological progress and exported to Southeast Asia, favored by users.

We are looking forward to creating a better future with new and old friends.





现代化的办公设施 Modern office facilities

我们不断投入和改善，努力为员工提供安全、健康和愉悦的工作环境。

我们始终鼓励员工在工作中学习，在学习中成长。成为对客户负责、对社会有用的人才。

壮大企业、贡献社会是华园人的共同追求。不断为用户创造财富，为社会奉献价值，把华园建设成为引领行业发展潮流的优秀企业。

We continue to invest in and improve, and strive to provide employees with a safe, healthy and pleasant working environment.

We always encourage employees to learn at work and grow in learning. Be responsible to customers and useful to society.

The common pursuit of Huayuan people is to strengthen enterprises and contribute to society. We will continue to create wealth for customers, contribute value to the society, and build Huayuan into an excellent enterprise that leads the development trend of the industry.



营造和谐轻松的氛围
Create a harmonious atmosphere easily

促成高效的工作
Facilitate high productivity



生产与装备

Production and equipment

我们坚信优质的产品除了有优质的管理、优秀的员工，更须拥有先进、精良的机械加工专用设备。市场竞争的基础，离不开生产实力，离不开完善先进的硬件设施。深知硬件设施重要性的万达，在同行业率先引进国内外先进的生产设备，几年来更先后投入资金对硬件设施进行更新换代，以国际化的生产设施生产出符合国际标准的高端优质产品。

We firmly believe that high-quality products in addition to high-quality management, excellent staff, but also must have advanced, sophisticated mechanical processing special equipment. The basis of market competition is inseparable from production strength and perfect and advanced hardware facilities. Wanda, fully aware of the importance of hardware facilities, takes the lead in introducing domestic and foreign advanced production equipment in the industry, and has invested in upgrading hardware facilities in recent years, so as to produce high-end and high-quality products that meet international standards with international production facilities.



引进同行业中先进的生产设备和最优秀的管理技术人才，不断的提升产品的工艺，根据市场及客户需求加快产品的更新换代，开发高技术含量的前瞻性产品。

The introduction of the industry's advanced production equipment and the most excellent management and technical personnel, and constantly improve the product process, according to Market and customer demand to accelerate the product renewal, the development of high-tech content of forward-looking products.



工程实例 Project examples

我们希望通过完善的设计、制造和售后服务确保每一个安装工程在有效使用内充分发挥各项性能指标;我们拥有世界先进的生产装备,运用崭新的工业概念及强大的技术力量,生产出符合国际标准的高品质终极产品。

We hope that through the perfect design, manufacturing and after-sales service to ensure that each installation project in effective use to give full play to the performance indicators; We have the world's advanced production equipment, the use of new industrial concepts and strong technical force, the production of high quality in line with international standards of the ultimate products.



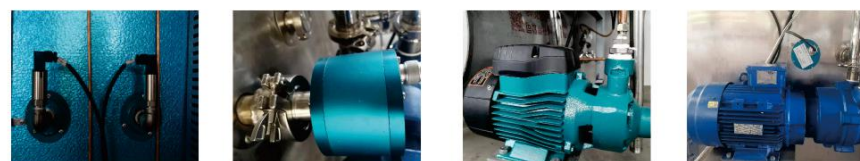
产品配件实物图 Physical drawing of product accessories



行程开关 夹套压力传感器 空气过滤器 内室压力传感器 压缩空气调压阀



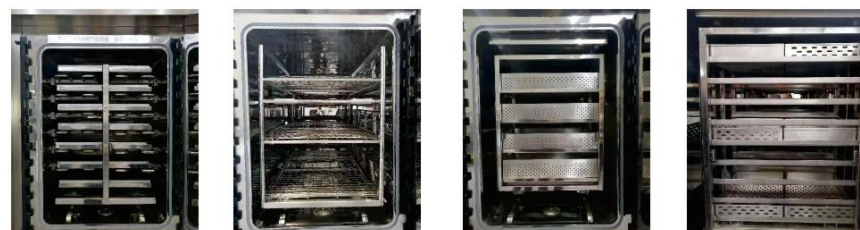
搬运车 电磁阀 电控箱 旋片式真空泵



压力传感器 氧气变送器 增压泵 真空泵



空气调压阀 气动阀 先导阀 门进气阀



中成药灭菌器内室实物图 脉动真空灭菌器内室实物图 水浴式口服液灭菌器内室实物图 水浴式软包装灭菌器内室实物图

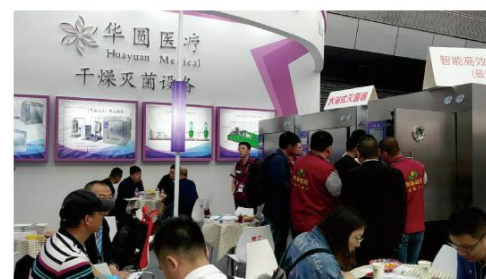
展会展览 The exhibition exhibition



第一次亮相于展会，取得了空前的反响
It was first shown in the exhibition and received an unprecedented response



产品入住国内外知名大企业
Products in domestic and foreign well-known enterprises



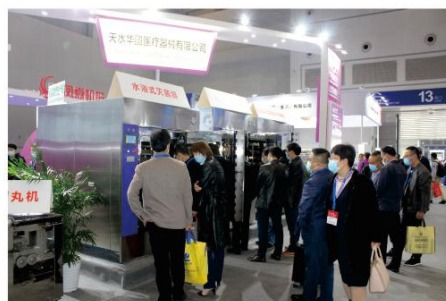
携带国内最先进水浴式通风超声清洗灭菌、中成
药灭菌、脉动真空灭菌等设备亮相会展
Carry the most advanced water bath ventilation ultrasonic
cleaning and sterilization, ZhongChengDrug sterilization,
pulsating vacuum sterilization and other equipment will be
exhibited in the exhibition



大行德健，华圆致远，我们为成为医疗行业的领
航者不断更新换代，不断前行。
Daxing Dejian, Huayuan Zhiyuan, we to become the
leader of the medical industry Navigators constantly
update, constantly moving forward.



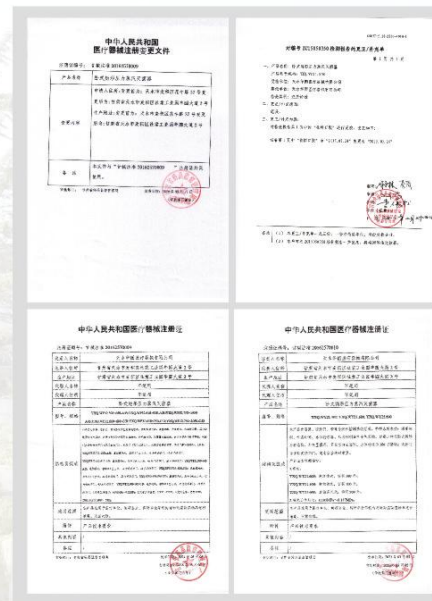
从一开始的怀疑，到带料试验、到后来的认可，
都给我们带来满满的信心
From the initial skepticism,
to the testing with the material,
to the acceptance, Give us a lot of confidence



投放市场并与多家公司达成销售协议，
产品投入使用后，性能和稳定性均得到良好验证
Put it on the market and made sales
deals with a number of companies,
After the product is put into use,
its performance and stability are well verified

我们朝着绿色环保、节能降耗的方向，
实现自动化、数字化、智能化目标前进体制发展
We are moving towards the direction of green environmental
protection, energy saving and consumption reduction.
Realize automatic, mathematical,
intelligent target forward system development





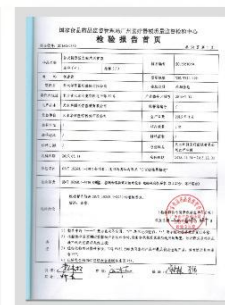
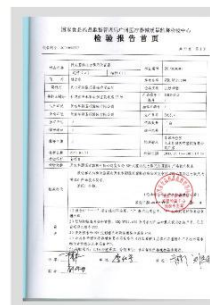
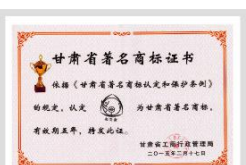
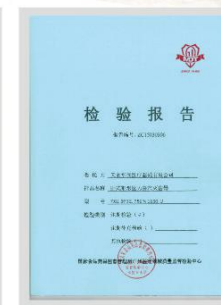
客户信赖
来自卓越品质
CUSTOMERS' TRUST
COMES FROM EXCELLENT QUALITY

记录今日收获
确定明日起点

RECORD TODAY'S HARVEST
DETERMINE TOMORROW'S STARTING POINT

荣誉的取得，归功于每一位默默奉献的华圆人，
也是对华圆追求品质的鼓舞和鞭策。不满足于现状，不断
向新的台阶迈进，是华圆人锐意进取、永不停歇的信念。

The achievement of the honor is attributed to
every Huayuan person who silently contributes, and is
also an inspiration and spur to Huayuan's pursuit of
quality. Not satisfied with the status quo, and
constantly moving forward to a new level, is the
commitment of Huayuan people to forge ahead and never
stop.



知识产权证书（产品专利） Intellectual Property Certificate (Product Patent)

创新科技

Innovation of
science and technology



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中成药灭菌器 (粉体灭菌系列)

Sterilizer For Chinese Patent Medicine (sterilization Series For Powder)

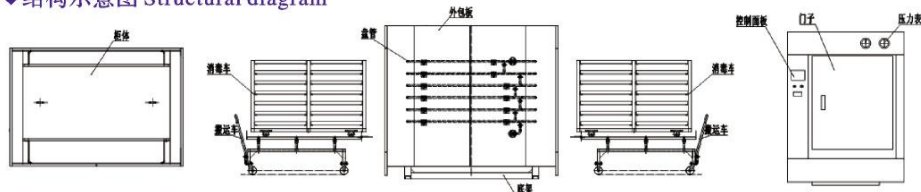


◆主要用途 Main uses

该系列中成药灭菌器以纯净的饱和蒸汽作为灭菌介质，适用于对中药材、饮片和颗粒剂进行灭菌与干燥处理，是制药企业对含生物原粉的中成药产品进行原材料灭菌和干燥的理想灭菌设备之一。

With pure saturated steam as the sterilizing medium, the sterilizer is suitable for sterilizing and drying Chinese medicine materials, decoction pieces, extracts and granule powder. It is one of the ideal sterilizing equipment for pharmaceutical enterprises to sterilize and dry the raw materials of Chinese patent medicine products containing biological original powder.

◆结构示意图 Structural diagram



◆性能特点 Performance feature

- 主体为卧式矩形夹套结构；内室采用优质S30408不锈钢材料，内壁表面抛光处理，易清洗，抗腐蚀，经久耐用。制作符合I类压力容器产品严格的质量和标准。灭菌室内设有多层防潮列管，能有效防止中药粉剂干燥后结块现象。
- 灭菌室在无汽状态下与夹套同时预热，既有利于冷空气的排除，又缩短了设备运行准备周期。
- 灭菌车设计独特，多层分盘装药，既能最大限度的利用灭菌室内空间，又能保证灭菌和干燥效果。
- 密封门采用锯齿啮合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 双门密封严格隔离有菌区和无菌区，又防止区间交叉污染。
- 采用液环式真空泵，多次强制抽出灭菌室内空气，同时多次注入饱和蒸汽，使灭菌过程彻底，时间短，干燥效果良好。
- 上位机选用工业可编程控制器，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数。
- 主要配件均选用国际知名品牌，确保了灭菌设备的安全性、可靠性和可操作性。
- 本机还具有故障自动检索和提示功能。

- The main body is horizontal rectangular jacket structure; The inner chamber is made of high quality S30408 stainless steel material, the inner wall surface is polished, easy to clean, corrosion resistant and durable. To produce class I pressure vessel products to strict quality and safety standards. The sterilization room is equipped with multi-layer moistureproof tube, which can effectively prevent the Chinese medicine powder from caking after drying.
- The sterilization chamber is preheated at the same time with the jacket in the vaporless state, which is not only conducive to the elimination of cold air, but also shortening the equipment operation preparation period.
- The design of the sterilization car is unique, and the multi-layer disk-loading can not only maximize the use of the sterilization room space, but also ensure the sterilization and drying effect.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Double door sealing strictly isolate bacteria and sterile area, and prevent cross-contamination between the interval.
- The use of liquid ring vacuum pump, many times forced out sterilization indoor air, at the same time many times injected saturated steam, so that the sterilization process is complete, short time, good drying effect.
- The machine seat selection touch type man-machine interface, the working state is intuitive, easy to operate; The industrial programmable controller is used to control the whole working process automatically, which is accurate and reliable, and the required parameters are recorded in real time.
- The main parts are selected international famous brands, to ensure the safety, reliability and operability of the sterilization equipment.
- The machine also has the function of automatic fault retrieval and prompt.

◆试机物料灭菌后效果图

Effect drawing of sterilized material of test machine



◆主要参数 key parameter

型号		YXQ.WF32.7 50x1050-D	YXQ.WF32.7 50x1050	YXQWF32. 1000x 1200	YXQWF32. 1000x 1200	YXQWF32. 1000x 1200	YXQWF32. 1000x 1200
参数							
容积m³		1.2	2.4	2.5	3.0	3.6	5.0
设计压力MPa		0.245					
最高工作温度℃		134					
工作压力MPa		0.07-0.23					
汽源	汽源压力MPa	0.3-0.6					
	周期耗量kg	40	80	80	100	120	350
水源	水源压力MPa	0.15-0.3					
	周期耗量kg	250	400	400	500	600	1600
电源	控制电源	Ac2 20V/50Hz3A					
	动力电源	AC380V/50Hz20A					
	功耗KW	4	4	4	5	5	7.5
装载量		250/200	480/330	480/330	600/440	720/550	1000/680
行程周期min		<70					
压缩空气压力MPa		0.5-0.8					
灭菌室尺寸(长×宽×高) mm		1500×750 ×1050	3050×750 ×1050	2000×1000 ×1200	2500×1000 ×1200	3000×1000 ×1200	4200×1000 ×1200
外形尺寸(长×宽×高) mm		1850×1600 ×1950	3385×1515 ×2040	2400×1740 ×2100	2830×1740 ×2100	3300×1740 ×2100	4550×1740 ×2100
设备净重kg		约2000	约3000	约3300	约3500	约3800	约4500

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型通风式灭菌柜

YXQ.WF32 Type Ventilated Sterilization Cabinet



◆性能特点 Performance feature

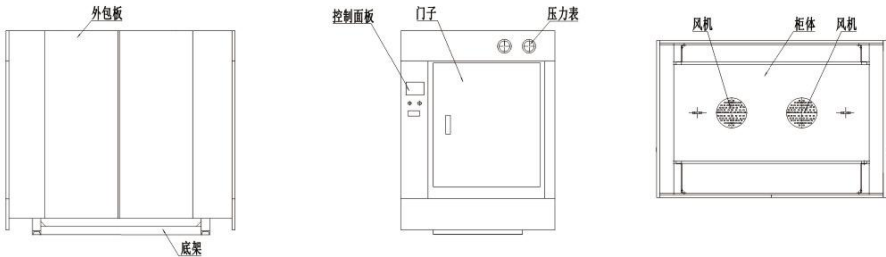
- 严格按照GB150《钢制压力容器》设计制造验收的箱体
- 垂直升降门操作简单、可靠
- 门采用充气式硅橡胶密封，密封可靠
- 设备附有标准的GMP验证接口
- 精确的温控技术，准确的实时全程压力跟踪
- 独立的温度监控系统
- 快速均匀的冷却、干燥系统
- In strict accordance with GB150 "steel pressure vessel" design, manufacture and acceptance of the box.
- Vertical lifting door operation is simple and reliable.
- The door adopts inflatable silicone rubber seal, sealing is reliable.
- Equipped with standard GMP verification interface.
- Accurate temperature control technology, accurate real-time full pressure tracking.
- Independent temperature monitoring system.
- Fast and uniform cooling and drying system.

◆主要参数 key parameter

型号 参数		YXQ.WF32.750 × 1050-D	YXQ.WF32.750 × 1050-D	YXQ.WF32.1000 × 1200-D	YXQ.WF32.1000 × 1200-D
容积m³		1.2	1.5	2.5	3.6
设计压力MPa		0.245			
最高工作温度℃		127			
最高工作压力MPa		0.15			
汽源	汽源压力MPa	0.3-0.6			
	周期耗量kg	80	100	200	280
水源	水源压力MPa	0.15-0.3			
	周期耗量kg	1000	1200	2000	3000
电源	控制电源	AC220/50HZ/3A			
	动力电源	AC380V/50HZ/20A			
	功耗KW	4.5		6	
压缩 空气	压力MPa	0.5-0.8			
	耗量m³	0.6	0.8	1	1.8
	行程周期min	<95			
灭菌室尺寸(长×宽×高)mm		1500×750×1050	1900×750×1050	2150×1000×1200	3000×1000×1200
外形尺寸D:双扉mm		1850×1500×1950	2300×1500×1950	2510×1740×2100	3350×1740×2100
设备净重D:双扉mm		约1800	约2100	约2700	约3100

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

◆结构示意图 Structural diagram



◆主要用途 Main uses

通风水浴式灭菌柜采用过热喷淋方式灭菌，灭菌结束后，通过一个或多个高热双速鼓风机强制进行循环对流冷却，对物品进行干燥处理。设备可以用于各种包装的安瓿或者大输液的灭菌及干燥，在灭菌出来后直接进入下一道工序，如检查、贴标签、包装等。

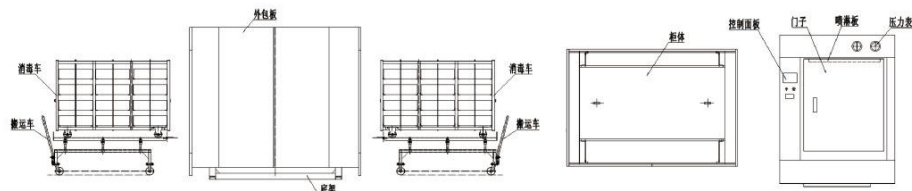
Ventilated water bath sterilization cabinet adopts overheat spray sterilization, after sterilization, through one or more high heat two-speed blowers forced circulation convection cooling, dry the items. The equipment can be used for sterilization and drying of ampoules or large infusion of various packages. After sterilization, it can directly enter the next process, such as inspection, labeling, packaging, etc.

YXQ.WF32型水浴式灭菌器

YXQ.WF32 Type Water Bath Sterilizer



◆结构示意图 Structural diagram



◆主要用途 Main uses

● 该系列水浴式灭菌器利用过热循环水作为灭菌加热载体，对物品进行水淋式灭菌操作。在整个工作过程中，过热水运行在一个相对封闭的循环系统。该设备具有热效率高、温度均匀性好、温度调控范围宽等一系列优点。并且有效防止工作过程中的二次污染，辅以反压保护措施。该设备能广泛应用于制药行业对玻璃瓶装、安瓿瓶装、塑料软袋装等液体进行高、低温灭菌操作，同时也适用于食品行业对各种密封包装、饮用液体、罐头食品进行高、低温灭菌操作。

● 本机采用计算机进行全程监控，各种参数能进行修改，实时记录及打印输出，极大地提高了整机的可靠性和智能化，使其能更好的适合于现代企业工业化生产的需要。

● This series of water bath sterilizer uses superheated circulating water as the carrier of sterilization heating to sterilize articles by water spray. The superheated water is operated in a relatively closed circulation system throughout the operation. The equipment has a series of advantages, such as high thermal efficiency, good temperature uniformity, wide temperature control range and so on. And effectively prevent the secondary pollution in the process of work, supplemented by anti-pressure protection measures. The equipment can be widely used in the pharmaceutical industry for glass bottles, ampoules, plastic soft bags and other liquids to carry out high and low temperature sterilization operations, but also for food industry for a variety of sealed packaging, drinking liquid, canned food to carry out high and low temperature sterilization operations.

● This machine adopts computer to monitor the whole process, various parameters can be modified, real-time record and print out, greatly improving the reliability and intelligence of the whole machine, so that it can be better suited to the needs of modern enterprise industrial production.

◆性能特点 Performance feature

- 主体为卧式矩形结构；内室采用优质304不锈钢材料，内壁表面抛光处理，易清洗，抗腐蚀，经久耐用。制作符合I类压力容器产品严格的质量和标准，并配有标准的GMP验证接口。
- 灭菌室顶部设有设计独特的分水盘喷淋装置，能保证升温过程及冷却过程温度置换均匀，无死角。
- 先进的热置换系统，使升温及冷却过程迅速，工作效率高。
- 密封门采用锯齿啮合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 双门密封严格隔离菌区和无菌区，有效防止区间二次污染。
- 上位机选用触摸式人机界面，工作状态直观，操作简便；下机位选用工业可编程控制器，对整个过程实行自动化控制，准确可靠，并实时记录打印所需参数和操作档案。
- 多重安全条件设置，确保设备运行可靠。
- 具有故障自动检索功能和提示功能。
- 主要配件均选用国际知名品牌，最优化的配置确保了灭菌设备的安全性、可靠性和可操作性。

- The main body is horizontal rectangular structure; The inner chamber is made of high quality 304 stainless steel material, the inner wall surface is polished, easy to clean, corrosion resistant and durable. Manufacture class I pressure vessel products to strict quality and safety standards, and equipped with standard GMP verification interface.
- The top of the sterilization chamber is equipped with a unique design of water distribution tray spray device, which can ensure that the temperature replacement is uniform in the heating process and cooling process, without dead Angle.
- Advanced heat replacement system, so that the heating and cooling process is rapid, high efficiency.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Double door seal strictly isolate bacteria area and sterile area, effectively prevent secondary pollution in the interval.
- On the machine selection touch man-machine interface, intuitive working state, easy to operate; The industrial programmable controller is used to control the whole working process automatically, which is accurate and reliable, and the required parameters and operation files are recorded and printed in real time.
- Multiple safety conditions are set to ensure reliable operation of the equipment.
- With automatic fault retrieval function and prompt function.
- The main parts are selected international famous brands, the optimal configuration to ensure the safety, reliability and operability of sterilization equipment.

◆主要参数 Key parameter

型号 参数		YXQ.WF32.750 × 1050-D	YXQ.WF32.750 × 1050-D	YXQ.WF32.1000 × 1200-D	YXQ.WF32.1000 × 1200-D
容积m³		1.2	1.5	2.5	3.6
设计压力MPa		0.245			
最高工作温度℃		127			
最高工作压力MPa		0.15			
汽源	汽源压力MPa	0.3-0.6			
	周期耗量kg	80	100	200	280
水源	水源压力MPa	0.15-0.3			
	周期耗量kg	1000	1200	2000	3000
电源	控制电源	AC220/50HZ/3A			
	动力电源	AC380V/50HZ/20A			
	功耗KW	2.5		4	
压缩空气	压力MPa	0.5-1.8			
	耗量m³	0.6	0.8	1	1.8
	行程周期min	<95			
灭菌室尺寸(长×宽×高)mm		1500×750×1050	1900×750×1050	2150×1000×1200	3000×1000×1200
外形尺寸D:双扉mm		1850×1500×1950	2300×1500×1950	2510×1740×2100	3350×1740×2100
设备净重D:双扉mm		约1800	约2100	约2700	约3100

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型安瓿检漏灭菌器

YXQ.WF32 Type Sterilizer For Leak Detection Of Ampoule



◆主要用途 Main uses

该系列安瓿检漏灭菌器以高温循环水作为灭菌介质，适用于对安瓿瓶、西林瓶、管制瓶装等制剂进行喷淋式灭菌处理，真空加色水检漏；广泛用于医疗单位、制药企业、科研单位等机构对安瓿包装物品的灭菌、检漏和清洗。

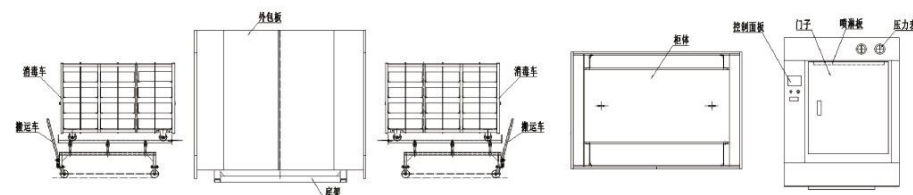
This series ampoule leak detection sterilizer uses high temperature circulating water as sterilizing medium, which is suitable for spraying sterilization treatment of ampoule bottles,西林 bottles, control bottles and other injections, and vacuum adding colored water for leak detection; Widely used in medical units, pharmaceutical enterprises, scientific research institutions and other institutions of ampoule packaging sterilization, leak detection and cleaning.

◆性能特点 Performance feature

- 灭菌温度设定值为60℃-125℃之间，调控范围宽。
- 主体为卧式矩形结构；内室采用优质S30408不锈钢材料，内壁表面抛光处理，易清洗，抗腐蚀，经久耐用。制作符合1类压力容器产品严格的质量和安标准，并配有标准的GMP验证接口。
- 灭菌室顶部设有独特的分水盘喷淋装置，能保证升温过程及冷却过程温度置换均匀，无死角。
- 设计合理的水循环系统，避免了工作过程中的二次污染。
- 密封门采用锯齿啮合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 双门密封严格隔离菌区和无菌区，有效防止了区间二次交叉污染。
- 采用液环式真空泵，强制抽出灭菌室内空气，使灭菌过程完全彻底。真空与加压水相结合的检漏方法，确保100%的废品检出率。
- 上位位选用触摸屏人机界面，工作状态直观，操作简便；下位位选用工业可编程控制器，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数和操作档案。
- 具有故障自动检索和提示功能。
- 主要配件均选用国际知名品牌，最优化的配置确保了灭菌设备的安全性、可靠性和可操作性。

- The sterilization temperature is set between 60℃ and 125℃, with wide control range.
- The main body is horizontal rectangular structure; The inner chamber is made of high quality S30408 stainless steel material, the inner wall surface is polished, easy to clean, corrosion resistant and durable. Manufacture class I pressure vessel products to strict quality and safety standards, and equipped with standard GMP verification interface.
- The sterilization chamber is equipped with a unique water dispensing spray device at the top, which can ensure the uniform temperature replacement in the heating process and cooling process, without dead Angle.
- Reasonable design of water circulation system, to avoid the secondary pollution in the process of work.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Double door seal strictly isolate bacteria area and sterile area, effectively prevent the secondary cross-contamination of the interval.
- The use of liquid ring vacuum pump, forced out sterilization indoor air, so that the sterilization process is completely thorough. The combination of vacuum and pressurized color water to ensure 100% waste detection rate.
- The machine seat selection touch type man-machine interface, the working state is intuitive, easy to operate; The industrial programmable controller is used to control the whole working process automatically, which is accurate and reliable, and the required parameters and operation files are recorded and printed in real time.
- With automatic fault retrieval and prompt function.
- The main parts are selected international famous brands, the optimal configuration to ensure the safety, reliability and operability of the sterilization equipment.

◆结构示意图 Structural diagram



◆主要参数 Key parameter

型号		YXQ.WF32.750 × 1050-D	YXQ.WF32.750 × 1050-D	YXQ.WF32.1000 × 1200-D
参数	容积m³	1.2	1.5	2.5
	推荐装瓶量			
(支)	1ml	115000	150000	250000
	2ml	74000	98000	160000
	5ml	31000	42000	69000
	10ml	21000	27000	47000
	20ml	11000	14800	25000
设计压力MPa		0.245		
最高工作温度℃		127		
最高工作压力MPa		0.15		
汽源	汽源压力MPa	0.3-0.6		
	周期耗量kg	80	100	200
水源	水源压力MPa	0.15-0.3		
	周期耗量kg	1000	1200	2000
电源	控制电源	AC220/50HZ/3A		
	动力电源	AC380V/50HZ/20A		
	功耗KW	5.6	5.6	9.6
行程周期min		<95		
色水储罐m³		1.5	1.6	2.5
灭菌室尺寸 (长×宽×高) mm		1500×750×1050	1900×750×1050	2100×1000×1200
外形尺寸D:双扉		1850×1500×1950	2300×1500×1950	2510×1740×2100
设备净重D:单扉		约1600	约1800	约2500

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型口服液灭菌器

YXQ.WF32 Type Oral Liquid Sterilizer



◆主要用途 Main uses

该系列口服液检漏灭菌器以高温循环水作为灭菌介质，适用于对口服液瓶装液体进行喷淋式灭菌处理。真空检漏；广泛用于医疗单位、制药企业、科研单位等机构对管制品包装物品的灭菌、检漏和清洗。

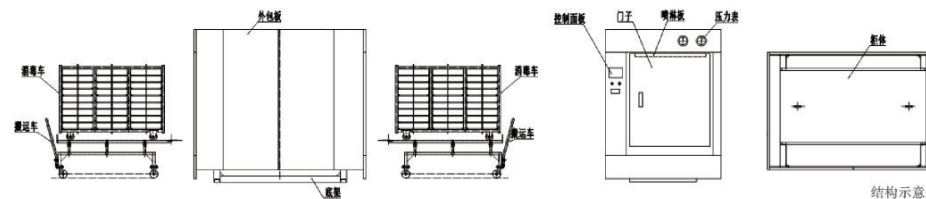
The series of oral liquid leak detection sterilizer uses high temperature circulating water as sterilization medium, suitable for spray sterilization of oral liquid bottles, vacuum leak detection; Widely used in medical units, pharmaceutical enterprises, scientific research institutions and other institutions on the tube products packaging sterilization, leak detection and cleaning.

◆性能特点 Performance feature

- 灭菌温度设定值在100~125℃之间，调控范围宽。
- 主体为卧式矩形夹套结构；内室采用优质S30408不锈钢材料，内壁表面抛光处理，易清洗，抗腐蚀，经久耐用。制作符合I类压力容器产品严格的质量和标准，并配有标准的GMP验证接口。
- 灭菌室内设有独特的分水槽喷淋装置，能保证升温过程及冷却过程温度置换均匀，无死角。
- 设计合理的水循环系统，避免了工作过程中发生二次污染。
- 密封门采用锯齿咬合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 双门密封严格隔离菌区和无菌区，有效防止区间交叉污染。
- 采用液环式真空泵，强制抽出灭菌室内空气，使灭菌过程完全彻底。真空和染色水相结合的检漏方法，确保100%的废品检出率。
- 上位位选用触摸式人机界面，工作状态直观，操作简便；下机位选用工业可编程控制器，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数。
- 多重安全设置，确保设备运行可靠。
- 具有故障自动检索功能。
- 主要配件均选用国际知名品牌，确保了灭菌设备的安全性、可靠性和可操作性。

- Sterilization temperature set value between 100~125℃, wide control range.
- The main body is horizontal rectangular jacket structure; The inner chamber is made of high quality S30408 stainless steel material, the inner wall surface is polished, easy to clean, corrosion resistant and durable. Manufacture class I pressure vessel products to strict quality and safety standards, and equipped with standard GMP verification interface.
- The sterilization room is equipped with a unique water distributor spray device, which can ensure the uniform temperature replacement in the heating process and cooling process, without dead Angle.
- Reasonable design of water circulation system, to avoid secondary pollution in the process of work.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Double door seal strictly isolate bacteria area and sterile area, effectively prevent cross-contamination between the interval.
- The use of liquid ring vacuum pump, forced out sterilization indoor air, so that the sterilization process is completely thorough. The combination of vacuum and colored water for leak detection ensures 100% waste detection rate.
- On the machine selection touch man-machine interface, intuitive working state, easy to operate; The industrial programmable controller is used to control the whole working process automatically, which is accurate and reliable, and the required parameters are recorded in real time.
- Multiple safety Settings to ensure reliable operation of the equipment.
- With automatic fault retrieval function.
- The main parts are selected international famous brands, to ensure the safety, reliability and operability of sterilization equipment.

◆结构示意图 Structural diagram



◆主要参数 key parameter

型号		YXQ.WF32.750 × 1050-D	YXQ.WF32.750 × 1050-D	YXQ.WF32.1000 × 1200-D
参数	容积m³	1.2	1.5	2.5
	1ml	115000	150000	250000
(支) 推荐装瓶量	2ml	74000	98000	160000
	5ml	31000	42000	69000
	10ml	23000	30000	59000
	20ml	12500	16500	32500
设计压力MPa		0.245		
最高工作温度℃		127		
最高工作压力MPa		0.15		
汽源	汽源压力MPa	0.3-0.6		
	周期耗量kg	80	100	200
水源	水源压力MPa	0.15-0.3		
	周期耗量kg	1300	1500	2000
清洗水	压力MPa	0.3-0.5		
	周期耗量kg	1300	1500	2700
电源	控制电源	AC220/50Hz		
	动力电源	AC380V/50Hz		
	功耗KW	5.6	5.9	9.6
压缩空气	压力MPa	0.5-0.8		
	耗量m³	1	1.5	2.5
行程周期min		<95		
灭菌室尺寸 (长×宽×高) mm		1500×750×1050	1900×750×1050	2100×1000×1200
外形尺寸D:双扉mm		1850×1500×1950	2300×1500×1950	2510×1740×2100
设备净重D:双扉kg		约1600	约1800	约2500

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型软包装灭菌器

YXQ.WF32 type oral liquid sterilizer

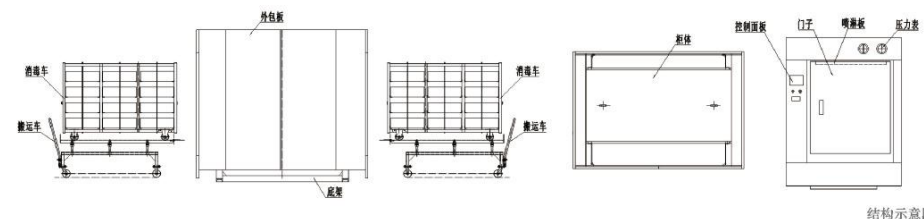


◆性能特点 Performance feature

- 主体为卧式矩形结构；内室采用优质S30408不锈钢材料，内壁表面抛光处理，易清洗，抗腐蚀，经久耐用。制作符合I类压力容器产品严格的质量和安
- 灭菌室顶部设有设计独特的分水盘喷淋装置，能保证升温过程及冷却过程温度置换均匀，无死角。
- 先进
- 密封门采用锯齿啮合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 双门密封严格隔离菌区和无菌区，有效防止区间二次污染。
- 上机位选用触摸式人机界面，工作状态直观，操作简便；下机位选用工业可编程控制器，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数和操作档案。
- 多重安全条件设置，确保设备运行可靠。
- 具有故障自动检索功能和提示功能。
- 主要配件均选用国际知名品牌，最优化的配置确保了灭菌设备的安全性、可靠性和可操作性。

- The main body is horizontal rectangular structure; The inner chamber is made of high quality S30408 stainless steel material, the inner wall surface is polished, easy to clean, corrosion resistant and durable. Manufacture class I pressure vessel products to strict quality and safety standards, and equipped with standard GMP verification interface.
- The top of the sterilization chamber is equipped with a unique design of water distribution tray spray device, which can ensure that the temperature replacement is uniform in the heating process and cooling process, without dead Angle.
- Advanced heat replacement system, so that the heating and cooling process is rapid, high efficiency.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Double door seal strictly isolate bacteria area and sterile area, effectively prevent secondary pollution in the interval.
- On the machine selection touch man-machine interface, intuitive working state, easy to operate; The industrial programmable controller is used to control the whole working process automatically, which is accurate and reliable, and the required parameters and operation files are recorded and printed in real time.
- Multiple safety conditions are set to ensure reliable operation of the equipment.
- With automatic fault retrieval function and prompt function.
- The main parts are selected international famous brands, the optimal configuration to ensure the safety, reliability and operability of sterilization equipment.

◆结构示意图 Structural diagram



◆主要用途 Main uses

该系列软包装灭菌器以高温循环水作为灭菌介质，适用于对PVC、非PVC软袋、PP或PE塑料瓶等软包装进行喷淋式灭菌操作；广泛用于医疗单位、制药企业、科研单位等机构对软包装物品包装的处理。

This series of flexible packaging sterilizer uses high temperature circulating water as the sterilizing medium, which is suitable for spraying sterilization of PVC, non-PVC soft bags, PP or PE plastic bottles and other flexible packaging; Widely used in medical units, pharmaceutical enterprises, scientific research institutions and other institutions of flexible packaging processing goods packaging.

◆主要参数 key parameter

型号		YXQ.WF32.750 × 1050-D	YXQ.WF32.750 × 1050-D	YXQ.WF32.1000 × 1200-D
参数				
容积m³		1.2	1.5	2.5
(支) 推荐装瓶量	250ml	680	760	1360
	500ml	360	440	720
设计压力MPa		0.245		
最高工作温度℃		127		
最高工作压力MPa		0.15		
汽源	汽源压力MPa	0.3-0.6		
	周期耗量kg	80	100	200
水源	水源压力MPa	0.15-0.3		
	周期耗量kg	1000	1200	2000
电源	控制电源	AC220/50HZ/3A		
	动力电源	AC380V/50HZ/20A		
	功耗KW	2.5	2.5	4
压缩空气	压力MPa	<95		
	耗量m³	AC380V/50HZ/20A		
	行程周期min	<95		
色水储罐m³		1500×750×1050	1900×750×1050	2150×1000×1200
灭菌室尺寸(长×宽×高)mm		1850×1500×1950	2300×1500×1950	2510×1740×2100
外形尺寸D:双扉mm				
设备净重D:双扉mm		约2500	约2100	约2700

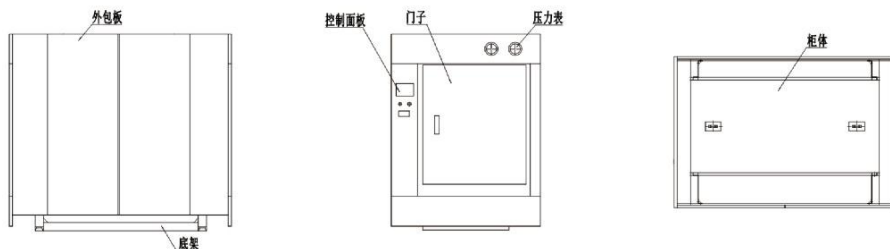
注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型快速冷却灭菌器

YXQ.WF32 rapid cooling sterilizer



◆结构示意图 Structural diagram



◆主要用途 Main uses

该系列快速冷却灭菌器以高温循环水作为灭菌介质，适用于对耐温100~125℃之间的密闭的玻璃瓶装液体进行灭菌操作；是医疗单位、制药企业、生物制品等行业对玻璃瓶大输液注射剂药品进行快速灭菌处理的理想设备。

This series of rapid cooling sterilizer uses high temperature circulating water as sterilizing medium, which is suitable for sterilizing sealed glass bottled liquid with temperature resistance between 100 °C and 125 °C. It is an ideal equipment for rapid sterilization of large infusion in glass bottles for medical units, pharmaceutical enterprises, biological products and other industries.

◆性能特点 Performance feature

- 主体为卧式矩形结构；内室采用优质304不锈钢材料，内壁表面抛光处理，易清洗，抗腐蚀，经久耐用。制作符合I类压力容器产品严格的质量和标准，并配有标准的GMP验证接口。
- 灭菌室顶部设有设计独特的分水盘喷淋装置，能保证升温过程及冷却过程温度置换均匀，无死角。
- 先进的热置换系统，使升温 and 冷却过程迅速，工作效率高。
- 密封门采用锯齿啮合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 双门密封严格隔离菌区和无菌区，有效防止区间二次污染。
- 上位机选用触摸式人机界面，工作状态直观，操作简便；下机位选用工业可编程控制器，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数和操作档案。
- 多重安全条件设置，确保设备运行可靠。
- 具有故障自动检索功能和提示功能。
- 主要配件均选用国际知名品牌，最优化的配置确保了灭菌设备的安全性、可靠性和可操作性。

- The main body is horizontal rectangular structure; The inner chamber is made of high quality 304 stainless steel material, the inner wall surface is polished, easy to clean, corrosion resistant and durable. Manufacture class I pressure vessel products to strict quality and safety standards, and equipped with standard GMP verification interface.
- The top of the sterilization chamber is equipped with a unique design of water distribution tray spray device, which can ensure that the temperature replacement is uniform in the heating process and cooling process, without dead Angle.
- Advanced heat replacement system, so that the heating and cooling process is rapid, high efficiency.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Double door seal strictly isolate bacteria area and sterile area, effectively prevent secondary pollution in the interval.
- On the machine selection touch man-machine interface, intuitive working state, easy to operate; The industrial programmable controller is used to control the whole working process automatically, which is accurate and reliable, and the required parameters and operation files are recorded and printed in real time.
- Multiple safety conditions are set to ensure reliable operation of the equipment.
- With automatic fault retrieval function and prompt function.
- The main parts are selected international famous brands, the optimal configuration to ensure the safety, reliability and operability of sterilization equipment.

◆主要参数 key parameter

参数	型号	YXQ.WF32.750 × 1050-D	YXQ.WF32.750 × 1050-D	YXQ.WF32.1000 × 1200-D
容积m³		1.2	1.5	2.5
(支)	250ml	680	980	1720
推荐装瓶量	500ml	500	680	1000
设计压力MPa		0.245		
最高工作温度℃		127		
最高工作压力MPa		0.15		
汽源	汽源压力MPa	0.3-0.6		
	周期耗量kg	80	100	200
水源	水源压力MPa	0.15-0.3		
	周期耗量kg	1000	1200	2000
电源	控制电源	AC220/50HZ/3A		
	动力电源	AC380V/50HZ/20A		
	功耗KW	2.5	2.5	4
行程周期min		<95		
灭菌室尺寸 (长×宽×高) mm		1500×750×1050	1900×750×1050	2150×1000×1200
外形尺寸D:双扉mm		1850×1500×1895	2300×1500×1895	2510×1740×2100
设备净重D:双扉mm		约1600	约1800	约2500

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型脉动真空灭菌器(机动门系列)

YXQ.WF32 type pulsating vacuum sterilizer

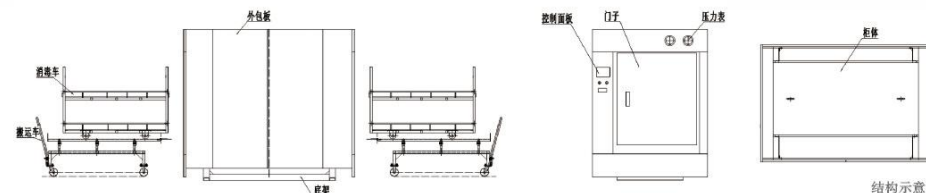


◆性能特点 Performance feature

- 主体为卧式矩形夹套结构。内室采用优质的不锈钢材料，抗腐蚀，经久耐用。制作符合 I 类压力容器产品严格的质量和安全标准。
- 密封门采用钳齿啮合结构，电动升降开关，压缩空气反密封，并装有安全联锁装置、手动开启装置、双门互锁装置。门体安全可靠，灵活省力，操作方便。
- 密封圈选用弹性良好的，能耐200℃高温的硅橡胶材料，持久耐用。
- 密封门为单扉、双扉。
- 采用液循环式真空泵，强制抽出灭菌室内空气，使灭菌过程彻底，时间短，干燥效果好。
- 上位机选用触摸式人机界面，工作状态直观，操作简便；下机位选用工业可编程控制，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数。
- 具有故障自动检索和提示功能。
- 具有敷料、器械、B-D试验、自由设定多个灭菌程序可选。
- 主要配件均选用国际知名品牌，确保了灭菌设备的安全性、可靠性和可操作性。

- The main body is horizontal rectangular jacket structure. The inner chamber is made of high quality stainless steel, which is corrosion resistant and durable. Production in accordance with I class pressure vessel products strict quality and safety standards.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring is made of silicone rubber material with good elasticity and high temperature resistance of 200℃, which is durable.
- Sealed door for single leaf, double leaf.
- The use of liquid circulating vacuum pump, forced out sterilization indoor air, so that the sterilization process is complete, short time, good drying effect.
- On the machine selection touch man-machine interface, intuitive working state, easy to operate; The machine adopts industrial programmable control, which can control the whole working process automatically, accurate and reliable, and record the required parameters for printing in real time.
- With automatic fault retrieval and prompt function.
- With dressings, instruments, B-D test, free setting of multiple sterilization procedures can be selected.
- The main parts are selected international famous brands, to ensure the safety, reliability and operability of sterilization equipment.

◆结构示意图 Structural diagram



结构示意图

◆主要用途 Main uses

该系列灭菌器以饱和蒸汽作为灭菌介质，实现对衣物、敷料、器械、工具和器皿等物品在最短时间内的灭菌处理；广泛用于医疗单位、制药企业、科研单位等机构对耐高温高湿物品进行灭菌和干燥。

The series sterilizers use saturated steam as the sterilizing medium to realize the sterilization of clothing, dressings, instruments, tools and utensils in the shortest time; Widely used in medical units, pharmaceutical enterprises, scientific research institutions and other institutions to high temperature and humidity resistant items for sterilization and drying.

◆主要参数 key parameter

参数\型号		YXQ.WF32. 600×600—C/D (电热)	YXQ.WF32. 600×600—C/D (电热)	YXQ.WF32. 650×750—C/D	YXQ.WF32. 650×750—C/D	YXQ.WF32.7 50×1050—C/D	YXQ.WF32.7 50×1050—C/D
容积m³		0.3	0.36	0.6	0.8	1.2	1.5
设计压力MPa		0.245					
最高工作温度℃		136					
最高工作压力MPa		0.23					
汽源	汽源压力MPa	0.3-0.6					
	周期耗量Kg	23	23	30	30	40	45
水源	水源压力MPa	0.15-0.3					
	周期耗量Kg	150	150	210	210	400	400
电源	控制电源	AC220V/50HZ/3A		AC220V/50HZ/3A			
	动力电源	AC380V/50HZ/20A		AC380V/50HZ/20A			
	功耗KW	20		3.12		4.12	
行程周期min		<70		<50			
压缩空气压力MPa		0.5-0.8					
灭菌室尺寸 (长×宽×高) mm		850×600×600	1000×600×600	1240×650×750	1640×650×750	1500×750×1050	1900×750×1050
外形 尺寸	C:单扉mm	1150×1224×1750	1300×1224×1750	1550×1350×1770	1840×1350×1770	1780×1450×1960	2180×1450×1960
	D:双扉mm	1230×1224×1750	1380×1224×1750	1610×1350×1770	1950×1350×1770	1820×1450×1960	2220×1450×1960
设备	C:单扉kg	约600	约650	约900	约1100	约1700	约2000
净重	D:双扉kg	约650	约700	约1000	约1200	约1800	约2100

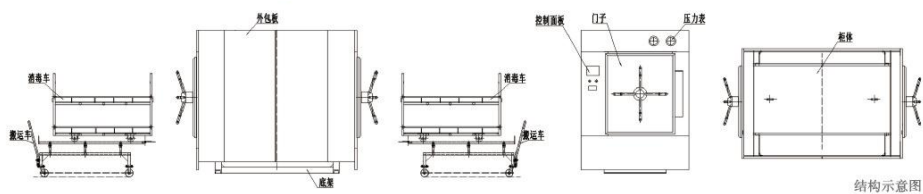
注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型脉动真空灭菌器(手动门)

YXQ.WF32 type pulsating vacuum sterilizer (manual door)



◆结构示意图 Structural diagram



◆主要用途 Main uses

该系列脉动真空灭菌器以饱和蒸汽作为灭菌介质，实现对衣物、敷料、器械、工具和器皿等物品在最短时间内的灭菌处理；广泛用于医疗单位、制药企业、科研单位等机构对耐高温高湿物品进行灭菌和干燥。

The series of pulsating vacuum sterilizers use saturated steam as the sterilizing medium to realize the sterilization of clothing, dressings, instruments, tools and utensils in the shortest time. They are widely used in medical units, pharmaceutical enterprises, scientific research units and other institutions to sterilize and dry the high temperature and humidity resistant items.

◆性能特点 Performance feature

- 主体为卧式矩形夹套结构。内室采用优质的不锈钢材料，抗腐蚀，经久耐用。制作符合I类压力容器产品严格地质量和安全标准。
- 密封门采用手动旋转辐射状方杆锁紧结构，并装有快开门安全联锁装置、双门互锁装置。对门操作安全实现机电一体化控制，安全可靠。
- 密封圈选用弹性良好的，可耐200℃高温的硅橡胶材料，持久耐用。
- 密封门为单扉、双扉。
- 采用液环式真空泵，强制抽出灭菌室内空气，使灭菌过程彻底，时间短，干燥效果好。
- 上位机选用触摸式人机界面，工作状态直观，操作简便；下机位选用工业可编程控制器，对整个工作过程实行自动化控制，准确可靠，并实时记录打印所需参数。
- 具有故障自动检索和提示功能。
- 具有敷料、器械、B-D试验，自由设定多个灭菌程序可选。
- 主要配件均选用国际知名品牌，确保了灭菌设备的安全性、可靠性和可操作性。

- The main body is horizontal rectangular jacket structure. The inner chamber is made of high quality stainless steel, which is corrosion resistant and durable. Production in accordance with I class pressure vessel products strict quality and safety standards.
- Sealing door adopts clamps tooth meshing structure, electric lifting switch, compressed air anti-sealing, and equipped with safety interlocking device, manual opening device, double door interlocking device. The door body is safe and reliable, flexible and labor-saving, easy to operate.
- The sealing ring is made of silicone rubber material with good elasticity and high temperature resistance of 200℃, which is durable.
- Sealed door for single leaf, double leaf.
- The use of liquid circulating vacuum pump, forced out sterilization indoor air, so that the sterilization process is complete, short time, good drying effect.
- On the machine selection touch man-machine interface, intuitive working state, easy to operate; The machine adopts industrial programmable control, which can control the whole working process automatically, accurate and reliable, and record the required parameters for printing in real time.
- With automatic fault retrieval and prompt function.
- With dressings, instruments, B-D test, free setting of multiple sterilization procedures can be selected.
- The main parts are selected international famous brands, to ensure the safety, reliability and operability of sterilization equipment.

◆主要参数 key parameter

型号	YXQ.WF32.5 00×600-A/B (电热)	YXQ.WF32.5 00×600-A/B (电热)	YXQ.WF32.6 50×750-A/B	YXQ.WF32.6 50×750-A/B	YXQ.WF32.7 50×1050-A/B	YXQ.WF32.7 50×1050-A/B
容积m³	0.3	0.36	0.6	0.8	1.2	1.5
设计压力MPa	0.245					
最高工作温度℃	136					
最高工作压力MPa	0.23					
汽源	汽源压力MPa 0.3-0.6					
周期耗量Kg	23	23	30	30	40	45
水源	水源压力MPa 0.15-0.3					
周期耗量Kg	150	150	210	210	400	400
控制电源	AC220V/50Hz/3A					
动力电源	AC380V/50Hz/20A					
功耗KW	20		3		4	
行程周期min	<50					
压缩空气压力MPa	0.5-0.8					
灭菌室尺寸 (长×宽×高) mm	1018×500×600	1220×500×600	1240×650×750	1650×650×750	1000×750×1050	1900×750×1050
外形尺寸	C:单扉mm 1360×1050×1820	1650×1050×1820	1600×1245×1900	1820×1245×1900	1900×1360×1930	2300×1360×2150
尺寸	D:双扉mm 1600×1050×1820	1800×1050×1820	1730×1245×1900	1950×1245×1900	2120×1360×1930	2490×1360×2150
设备净重	C:单扉kg 约600	约650	约900	约1100	约1700	约2000
	D:双扉kg 约650	约700	约1000	约1200	约1800	约2100

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WF32型卧式矩形压力蒸汽灭菌器(手动电加热系列)
YXQ.WF32 horizontal rectangular pressure steam sterilizer



性能特点 Performance feature

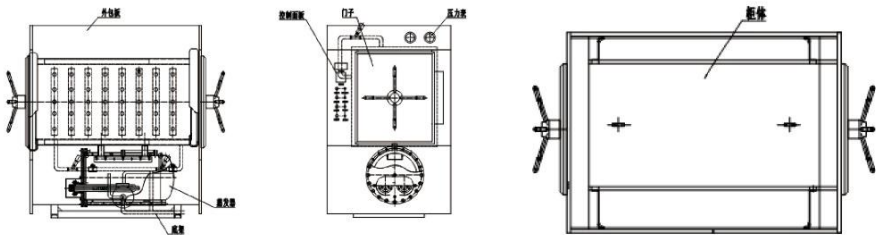
- 本机属于下排气式灭菌器，利用重力置换排除灭菌室内空气。
- 主体为卧式矩形夹套结构。内室采用优质不锈钢材料，抗腐蚀，经久耐用。制作符合 I 类压力容器产品严格的质量和标准。
- 密封门采用手动旋转辐状方杆锁紧结构，并装有快开门安全联锁装置、双门互锁装置。对门操作安全实现机电一体化控制，安全可靠。
- 密封圈选用弹性良好，可耐200℃高温的硅橡胶材料，持久耐用。
- 密封门有单扉、双扉之分。
- 控制系统自动化程度高，安全可靠，操作简便。
- 主要配件均选用优质品牌，确保了灭菌设备的安全性、可靠性和可操作性。
- This machine belongs to the lower exhaust steam sterilizer, using gravity replacement to eliminate the sterilization of indoor air.
- The main body is horizontal rectangular jacket structure. The inner chamber is made of high quality stainless steel, which is corrosion resistant and durable. Production in accordance with I class pressure vessel products strict quality and safety standards.
- The sealing door adopts manual rotating radial square rod locking structure, and is equipped with quick door safety interlocking device and double door interlocking device. The mechatronics control of the door operation is safe and reliable.
- The sealing ring is made of silicone rubber material with good elasticity and high temperature resistance of 200℃, which is durable.
- Sealed door has single leaf, double leaf points.
- Control system high degree of automation, safe and reliable, easy to operate.
- The main accessories are selected high quality brands, to ensure the safety, reliability and operability of sterilization equipment.

主要参数 key parameter

型号		YXQ.WF32.500 × 600-A/B	YXQ.WF32.500 × 600-A/B	YXQ.WF32.650 × 750-A/B	YXQ.WF32.650 × 750-A/B ×
参数					
容积m³		0.3	0.36	0.6	0.8
设计压力MPa		0.245			
最高工作温度℃		129			
最高工作压力MPa		0.165			
汽源	汽源压力MPa	0.3-0.6			
	周期耗量kg	23		30	
水源压力MPa		0.15-0.3			
电源	控制电源	AC220V/50HZ/3A			
	动力电源	AC380V/50HZ			
	功耗KW	18kw		36kw	
行程周期min		<80			
灭菌室尺寸(长×宽×高)mm		1018×500×600	1220×500×600	1240×650×750	1640×650×750
外形尺寸	A:单扉mm	1360×1050×1820	1560×1050×1820	1640×1280×1920	1960×1280×1920
	B:双扉mm	1600×1050×1820	1800×1050×1820	1800×1280×1920	2160×1280×1920
设备净重	A:单扉kg	约600	约650	约900	约1100
	B:双扉kg	约650	约700	约1000	约1200

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

结构示意图 Structural diagram



主要用途 Main uses

该系列下排气式卧式矩形压力蒸汽灭菌器是以饱和蒸汽作为灭菌介质，实现对衣物、敷料、器械、工具、液体和器皿等物品的灭菌处理；广泛用于医疗单位、制药企业、科研单位等机构对耐高温高湿物品进行灭菌和干燥。

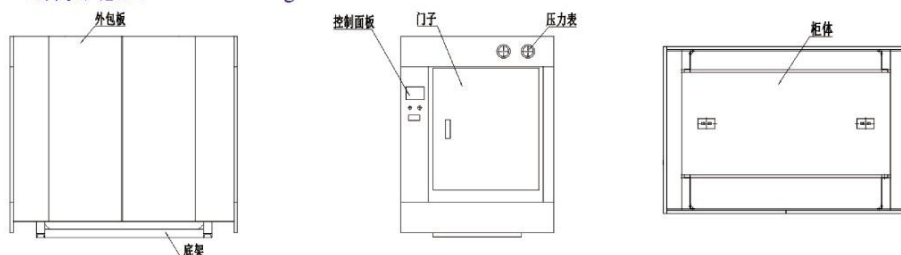
This series of horizontal rectangular pressure steam sterilizer uses saturated steam as the sterilizing medium to sterilize clothing, dressings, instruments, tools, liquids and utensils, etc. It is widely used in medical units, pharmaceutical enterprises, scientific research units and other institutions to sterilize and dry high-temperature and high-humidity articles.

YXQ.WF32型卧式矩形压力蒸汽灭菌器(直接蒸汽式)

YXQ.WF32 horizontal rectangular pressure steam sterilizer



◆结构示意图 Structural diagram



◆主要用途 Main uses

该系列下排气式卧式矩形压力蒸汽灭菌器以饱和蒸汽作为灭菌介质，实现对衣物、敷料、器械、工器具、液体和器皿等物品的灭菌处理；广泛用于医疗单位、制药企业、科研单位等机构对耐高温高湿物品进行灭菌。

This series of horizontal rectangular pressure steam sterilizer uses saturated steam as the sterilizing medium to sterilize clothing, dressings, instruments, tools, liquids and utensils, etc. Widely used in medical units, pharmaceutical enterprises, scientific research institutions and other institutions to sterilization of high temperature and humidity resistant items.

◆性能特点 Performance feature

- 本机属于下排气式灭菌器，利用重力置换排除灭菌室内空气。
- 主体为卧式矩形夹套结构。内室采用优质不锈钢材料，抗腐蚀，经久耐用。制作符合 I 类压力容器产品严格的质量和标准。
- 密封门采用手动旋转辐状方杆锁紧结构，并装有快开门安全联锁装置、双门互锁装置。对门操作安全实现了机电一体化控制，安全可靠。
- 密封圈选用弹性良好，可耐200℃高温的硅橡胶材料，持久耐用。
- 密封门有单扉、双扉之分。
- 控制系统自动化程度高，安全可靠。
- 主要配件均选用国际优质品牌，确保了灭菌设备的安全性、可靠性和可操作性。
- This machine belongs to the lower exhaust steam sterilizer, using gravity replacement to eliminate the sterilization of indoor air.
- The main body is horizontal rectangular jacket structure. The inner chamber is made of high quality stainless steel, which is corrosion resistant and durable. Production in accordance with I class pressure vessel products strict quality and safety standards.
- The sealing door adopts manual rotating radial square rod locking structure, and is equipped with quick door safety interlocking device and double door interlocking device. The mechatronics control of the door operation is safe and reliable.
- The sealing ring is made of silicone rubber material with good elasticity and high temperature resistance of 200℃, which is durable.
- Sealed door has single leaf, double leaf points.
- Control system high degree of automation, safe and reliable, easy to operate.
- The main accessories are selected high quality brands, to ensure the safety, reliability and operability of sterilization equipment.

◆主要参数 key parameter

参数\型号		YXQ.WF32. 600×600-C/D (电热)	YXQ.WF32. 600×600-C/D (电热)	YXQ.WF32. 650×750-C/D	YXQ.WF32. 650×750-C/D	YXQ.WF32.7 50×1050-C/D	YXQ.WF32.7 50×1050-C/D
容积m³		0.3	0.36	0.6	0.8	1.2	1.5
设计压力MPa		0.245					
最高工作温度℃		129					
最高工作压力MPa		0.23					
汽源	汽源压力MPa	0.3-0.6					
	周期耗量Kg	23	23	30	30	40	45
水源	水源压力MPa	0.15-0.3		0.15-0.3			
	周期耗量Kg	150	150	210	210	400	400
电源	控制电源	AC220V/50HZ/3A			AC220V/50HZ/3A		
	动力电源	AC380V/50Hz/20A			AC380V/50Hz/20A		
	功耗KW	0.75					
行程周期min		<70		<50			
压缩空气压力MPa		0.5-0.8					
灭菌室尺寸 (长×宽×高) mm		850×600×600	1000×600×600	1240×650×750	1640×650×750	1500×750×1050	1900×750×1050
外形 尺寸	C:单扉mm	1150×1224×1750	1300×1224×1750	1550×1350×1770	1840×1350×1770	1780×1450×1960	2180×1450×1960
	D:双扉mm	1230×1224×1750	1380×1224×1750	1610×1350×1770	1950×1350×1770	1820×1450×1960	2220×1450×1960
设备 净重	C:单扉kg	约600	约650	约900	约1100	约1700	约2000
	D:双扉kg	约650	约700	约1000	约1200	约1800	约2100

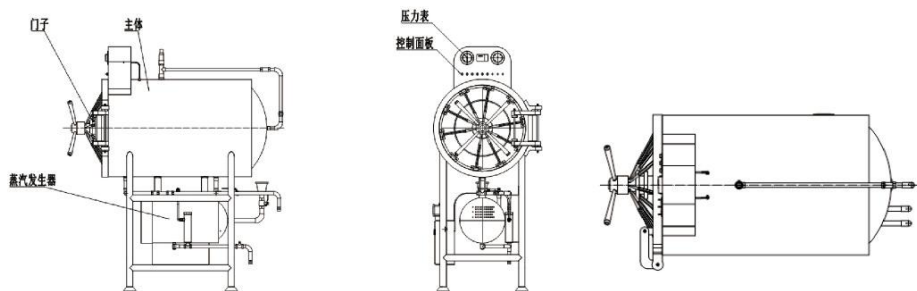
注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

YXQ.WY型卧式圆形压力蒸汽灭菌器

YXQ.WY Horizontal circular pressure steam sterilizer



◆结构示意图 Structural diagram



◆主要用途 Main uses

该系列下排气式卧式圆形压力蒸汽灭菌器以饱和蒸汽作为灭菌介质，实现对衣物、敷料、棉织物、器械、工器具、液体和器皿等物品的灭菌处理；广泛用于医疗单位、制药企业、科研单位、食品加工等对耐高温高湿物品进行消毒灭菌。

The series of lower exhaust horizontal circular pressure steam sterilizer uses saturated steam as the sterilizing medium to realize the sterilization of clothing, dressings, cotton fabrics, instruments, tools, liquids and utensils, etc. Widely used in medical units, pharmaceutical enterprises, scientific research units, food processing and other high temperature and humidity resistant items for disinfection and sterilization.

◆性能特点 Performance feature

- 本机属于下排气式灭菌器，利用重力置换排除灭菌室内空气。
- 主体为卧式圆形夹套结构，承压强度高；内室采用优质不锈钢材料，抗腐蚀，经久耐用。制作符合I类压力容器产品严格的质量和标准。
- 本机分为直接进汽和电加热两种形式。
- 密封门为圆形，采用一次冲压成型，手动旋转辐状方杆紧锁结构，并装有快开门安全联锁装置、双门互锁装置。对门操作安全实现机电一体化控制，安全可靠。
- 密封圈选用弹性良好，可耐200℃的硅橡胶材料，持久耐用。
- 密封门有单扉、双扉之分。
- 控制系统自动化程度高，安全可靠，操作简便。
- 主要配件均选用国际知名品牌，确保了灭菌设备的安全性、可靠性和可操作性。
- This machine belongs to the lower exhaust steam sterilizer, using gravity replacement to eliminate the sterilization of indoor air.
- The main body is horizontal circular jacket structure, high pressure strength; The inner chamber is made of high quality stainless steel, which is corrosion resistant and durable. To produce class I pressure vessel products to strict quality and safety standards.
- The machine is divided into direct steam and electric heating two forms.
- The sealing door is round, using one stamping molding, manually rotating radial square rod locking structure, and equipped with quick door safety interlock device, double door interlock device. The mechatronics control of the door operation is safe and reliable.
- The sealing ring selection of good elasticity, resistant to 200℃ of silicone rubber material, durable.
- Sealed door has single leaf, double leaf points.
- Control system high degree of automation, safe and reliable, easy to operate.
- The main parts are selected international famous brands, to ensure the safety, reliability and operability of sterilization equipment.

◆主要参数 key parameter

型号		YXQ.WY21.600	YXQ.WY25.600	YXQ.WY21.400	YXQ.WY25.400
参数					
容积m³		0.3		0.1	
设计压力MPa		0.178			
最高工作温度℃		129			
最高工作压力MPa		0.165			
汽源	汽源压力MPa	0.3-0.6		0.3-0.6	
	周期耗量Kg	23		20	
水源	水源压力MPa	0.15-0.3		0.15-0.3	
	水箱容积L	42	/	29	/
电源	控制电源	AC220V/50HZ/3A			
	动力电源	AC380V/50Hz/20A		AC380V/50Hz/20A	
	功耗KW	18kw	0.5kw	9kw	0.5kw
行程周期min		<80			
灭菌室尺寸mm		φ600×1000		φ400×800	
外形尺寸	A:单扉mm	1420×950×1700		1250×750×1450	
	B:双扉mm	1560×950×1700		1370×750×1450	
设备净重	A:单扉kg	约500	约440	约300	约240
	B:双扉kg	约550	约490	约330	约280

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

HYGM干热灭菌器

HYGM Dry heat sterilizer



◆主要用途 Main uses

HYGM系列干热灭菌箱设备适用于制药行业的血清瓶、西林瓶等玻璃器皿和金属容器及零配件等耐热材料的灭菌和除热源，完全符合新版GMP、美国FDA和欧盟CGMP规范要求。根据用户不同工艺的要求，可分为干热灭菌箱和净化干热灭菌箱。

HYGM series of dry heat sterilization box equipment is suitable for the pharmaceutical industry serum bottles, bottles and other glassware and metal containers and parts and other heat resistant materials sterilization and heat removal, fully comply with the new version of GMP, FDA and EU cGMP specifications. According to different process requirements of users, it can be divided into dry heat sterilization box and clean dry heat sterilization box.

◆性能特点 Performance feature

- 箱体工作原理内室采用优质S30408或316L不锈钢板制作，内室所有接缝均采用氩弧焊满焊，能承受一定的正压，在灭菌过程中，箱体始终处于正压状态。箱体进、排气口及内室均有耐高温高效过滤器、充分保证内腔空气的洁净。
- 箱内室主要部件均可拆卸，便于清洁。
- 独特合理风道结构使内室风循环始终处于均匀的层流状态，灭菌物品充分和热空气接触，灭菌彻底。热分布精度远远高于国内外同类产品。
- 充分运用热传导原理，采取底部加热，热量分布均匀，节能环保。热量散发及时，加热管使用寿命长。
- 密封门采用特殊设计的双层硅胶条，耐老化、抗老化。保证前后门的密封性，避免外部空气对灭菌物的污染。
- 进出风口均装有高效过滤器；灭菌室空气也经过箱内侧耐高温高效过滤器的过滤，过滤率达到99.99%，这样形成一套完整的过滤系统，保证灭菌室的空气净化。
- 密封门采用电动装置，前后门实现安全联锁。
- 操作端设置验证接口，可安全进行设备验证。
- 运用风冷或水冷，充分节约操作时间，提高工作效率。

- Working principle of box bodyThe inner chamber is made of high quality S30408 or 316L stainless steel plate, and all the seams of the inner chamber are fully welded by argon arc welding, which can withstand certain positive pressure. In the process of sterilization, the chamber is always under positive pressure. The inlet and outlet of the box body and the inner chamber are equipped with high temperature resistance and high efficiency filter, which fully guarantees the clean air in the inner chamber.
- The main parts of the inner chamber can be disassembled for easy cleaning.
- Unique reasonable air duct structure makes the air circulation in the inner chamber always in uniform laminar flow state, the sterilization goods fully and hot air contact, sterilization thoroughly. The accuracy of thermal distribution is much higher than that of similar products at home and abroad.
- Make full use of heat conduction principle, adopt bottom heating, heat distribution uniform, energy saving and environmental protection. Heat release in time, long service life of heating tube.
- The sealing door adopts specially designed double layer silica gel strip, which is anti-aging and anti-aging. Ensure the sealing of the front and back doors to avoid contamination by external air.
- Inlet and outlet are equipped with high efficiency filters; The air in the sterilization room is also filtered by the high-temperature and high-efficiency filter inside the box, and the filtration rate reaches 99.99%, so as to form a complete filtration system to ensure the air purification in the sterilization room.
- The sealed door adopts electric device, and the front and back doors realize safety interlock.
- The operator is equipped with a verification interface, which can safely verify the device.
- The use of air cooling or water cooling, fully save the operation time, improve work efficiency.

◆工作原理 Main uses

根据用户工艺要求，启动PLC可编程控制系统，内循环风机工作、加热器、风阀同时开启，灭菌室温度迅速上升，在内循环风机的作用下，干热空气通过高温高效过滤器进入灭菌室，在调风板的作用下，形成一个均匀分布的层流向灭菌室内传递，干热空气吸收瓶子（物料、物品）表面水分，通过排气口排出，同时进气口间隙补充洁净空气，灭菌室保持微正压，灭菌室温度达到设定值后，进入恒温状态。灭菌（除热源）过程结束，自动开启送风（或进水）强制冷却，冷却过程结束，系统自动关机。

According to customer's technical requirements, start the PLC programmable control system, circulation fan work, heater, air valve opened at the same time, the sterilization room temperature rising rapidly, which under the action of circulation fan, the hot air through high temperature and high efficiency filter into the sterilization room, in the plate under the action of wind, forming a layer of uniform distribution to sterilization, indoor dry air absorption bottle (material, items) surface moisture, discharge through the vent port, add pure air inlet clearance at the same time, the sterilization room keep micro positive pressure, the sterilization room temperature after reaching the set value, enter a state of constant temperature. After the sterilization (in addition to heat source) process, the system will automatically turn on the air supply (or water) for forced cooling. When the cooling process is over, the system will automatically shut down.

◆主要参数 key parameter

型号	内室尺寸 (长×宽×高) mm	外形尺寸 (长×宽×高) mm	内室容积m ³	总功率三相五线	冷却方式
HYGM-12B	800×800×1000	1980×1260×1970	0.64	12KW	风冷
HYGM-20B	800×1200×1300	1980×1660×2270	1.25	20KW	风冷
HYGM-22B	900×1200×1300	2080×1660×2270	1.4	22KW	风冷
HYGM-24B	800×1500×1300	1980×1960×2270	1.56	24KW	风冷
HYGM-26B	900×1500×1300	2080×1960×2270	1.8	26KW	风冷
HYGM-30B	1000×1500×1300	2180×1960×2270	2	30KW	风冷
HYGM-35B	1000×1800×1300	2180×2160×2270	2.5	35KW	风冷或水冷
HYGM-45B	1000×2500×1300	2180×2960×2270	3.25	45KW	风冷或水冷
HYGM-52B	1000×2800×1400	2100×3260×23700	4	52KW	风冷或水冷

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

HYSQ型-大型食用菌灭菌器
HYSQ Large sterilizer for edible fungi



◆性能特点 Performance feature

- 大门密封槽位于容器缸体上，牢固可靠，无活动节点，不漏气。
- 灭菌过程中双路温度全部参与控制，程序带有全自动诊断功能，能自动校正程序，无故障自动进行。
- 缸体采用专用容器板材料压制成型矩形结构。
- 灭菌器大门分为机动升降门，和平移门两种快开门方式。
- 设备具有快开门连锁装置，当室内压力大于安全开门压力时，大门不能开启；双门还具有互锁功能。
- 技术先进、设置灵活、操作简单、自动化程度高，根据不同菌类培养基的灭菌工艺，轻松实现真空次数、灭菌温度、压力数据、灭菌压力、灭菌时间等技术参数的设置切换；带储存卡的彩色触摸屏。
- 储存灭菌过程的温度、压力数据，储存容量大，时效长达数年。
- 灭菌器主要配件都是进口配置，故障率极低。
- 进压缩空气管路采用两只减压阀分开勾起；低压一路供密封使用，有益延长门密封条的使用寿命；高压一路供气阀使用，确保气控阀的有效开关。

- The door sealing groove is located on the cylinder of the container, which is firm and reliable, with no moving nodes and no air leakage.
- In the process of sterilization, the dual temperature is fully involved in the control, the program with automatic diagnosis function, can automatically correct the program, no fault automatically.
- The cylinder block is made of rectangular structure with special container plate.
- Sterilizer door is divided into two quick opening ways: motor lifting door and sliding door.
- The equipment has a quick door opening chain device, when the indoor pressure is greater than the safety door pressure, the door can not be opened; Double doors also have interlocking function.
- Advanced technology, flexible setting, simple operation, high degree of automation, according to different bacteria culture medium sterilization process, easily realize the number of vacuum, sterilization temperature, pressure data, sterilization pressure, sterilization time and other technical parameters setting switch; Color touch screen with memory card.
- Storage of temperature and pressure data of sterilization process, large storage capacity, aging for several years.
- The main parts of sterilizer are imported configuration, the failure rate is very low.
- The compressed air pipeline adopts two pressure reducing valves to hook up separately; Low pressure one way for sealing, beneficial to prolong the service life of the door sealing strip; High pressure all the way for the use of the air valve, to ensure the effective switch of the air control valve.

◆主要参数 key parameter

型号	HYSQ-10	HYSQ-13	HYSQ-18	HYSQ-22	HYSQ-27	HYSQ-31	HYSQ-35	HYSQ-48
设计压力 Mpa	0.25							
设计温度℃	132							
工作温度℃	127 (可选)							
蒸汽压力 Mpa	0.3-0.5							
冷却水源 □□Mpa	0.15-0.3							
标准型 控制形式	触摸屏-PLC							
容器类别	I类 (DI) 级							
行程周期 min	约190		约200			约210		
电机功率	AC380V/ 5.5KW	AC380V/ 7.5KW	AC380V/ 7.5KW		AC380V/ 11KW			
内室尺寸 (长×宽×高) mm	4300×1400 ×1650	6100×1400 ×1650	7600×1400 ×1650	7750×1570 ×1860	9150×1570 ×1860	10550×1570 ×1860	11950×1570 ×1860	9880×2250 ×2200
外形尺寸 (长×宽×高) mm	4800×2100 ×2300	6600×2100 ×2300	8100×2100 ×2300	8250×2270 ×2520	9650×2270 ×2520	11050×2270 ×2520	12450×2270 ×2520	10380×2950 ×2850
设备净重kg	约7000	约9000	约11000	约13000	约15000	约17000	约19000	约22000

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

◆主要用途 Main uses

- 该系列食用菌灭菌器采用多次真空、进高温蒸汽的方式置换内室空气进行灭菌，具有升温快、穿透性强、室内温度均匀的特点。优质的管路配件、合理的管路设计和先进的灭菌程序控制，既节约大量能源，又保证灭菌效果，同时节约大量能源。
- 食用菌灭菌器是采用抽真空（可多次），进蒸汽的方式来置换内室空气，独特的管路设计和先进的灭菌程序控制，具有升温快、穿透性强、被灭菌物品之间无死角，可以有效的防止内室冷气团的产生，保证灭菌效果，同时节约大量能源。
- The series of sterilization sterilizer for edible fungi adopts multiple vacuum and high temperature steam to replace the air in the chamber for sterilization. It has the characteristics of fast heating, strong penetration and uniform indoor temperature. High quality piping fittings, reasonable piping design and advanced sterilization program control not only save a lot of energy, but also ensure the sterilization effect, and save a lot of energy.
- Low consumption of sterilizer is using vacuum (many times), into the way of steam to replace chamber air, unique design and advanced sterilization process control, heating up fast, strong penetrability, no dead Angle between are sterilized items, can effectively prevent the chamber of the cold, to ensure the sterilization effect, at the same time save a lot of energy.

YXQ.WF32蒸煮润药一体机

YXQ.WF32 steaming and moistening medicine machine



◆结构/性能/特点 Structure/ performance/ characteristics

- 严格按照TSG21-2016《固定式压力容器安全技术监察规程》、GB/T150.4-2011《钢制压力容器》设计制造验收。
- 内室均采用容器专用板S30408材质，经久耐用，表面镜面处理，电动门配有独立的门安全连锁装置，双门互锁，门体安全可靠，操作简单，灵活便捷。
- 选用O型硅橡胶密封圈独特设计，自动安装取出，耐高温200摄氏度，确保门的密封性。
- 上位机选用进口触摸屏，工作状态直观，操作简便；下位机选用工业可编程控制器，对整个过程实行自动化控制，准确可靠，并实时记录打印所需参数。
- 不锈钢装饰外罩美观大方。
- 设备验证接口符合标准的GMP要求。
- 独特的润药蒸煮工艺，药透水尽，可根据用户需求设置不同的程序。
- 精确的温控技术机准确的实时全程压力跟踪，控制元件均采用国际知名品牌。
- 本机还具有故障自动检测功能和提示功能。

- In strict accordance with TSG21-2016 "Fixed Pressure Vessel Safety Technology Supervision Regulations", GB/T150.4-2011 "Steel Pressure Vessel" design, manufacture and acceptance.
- The inner chamber is made of container special board S30408 material, durable, surface mirror treatment, electric door is equipped with independent door safety interlocking device, double door interlock, the door body is safe and reliable, simple operation, flexible and light.
- O type silicone rubber sealing ring unique design, automatic installation and removal, high temperature resistance of 200 degrees Celsius, to ensure the sealing of the door.
- Imported touch screen on the machine, intuitive working state, easy to operate; The industrial programmable controller is selected for the lower level, and the whole process is controlled automatically, which is accurate and reliable, and the required parameters are recorded in real time.
- stainless steel decorative cover beautiful and generous.
- The equipment verification interface meets the standard GMP requirements.
- Unique moisten medicine cooking process, medicine permeable, can be set up according to user needs of different programs.
- Accurate temperature control technology machine accurate real-time whole-process pressure tracking, control components are adopted international famous brands.
- The machine also has the function of automatic fault detection and prompt.

◆主要用途 Main uses

- 根据蒸汽具有强力穿透性的特点，将处于高真空状态下的药材，通入蒸汽，蒸汽快速穿透到药材内部，使药材快速均匀软化。
- 中药蒸煮润药一体机是中药炮制加工的新颖设备，适用于中药材的快速浸润及蒸煮，能确保“药透水尽”，不但能最大限度地保留药效成分，且可提高药材饮片质量。经蒸汽润药蒸煮后切制的饮片，含水量低，容易干燥。
- 本设备按照压力容器规范设计、制作，柜门使用专利技术，密封性能好，开启方便。本设备不仅用于中药材的浸润，也可用于药材的蒸汽灭菌，还有在线清洗功能，因此再中药材的炮制加工中，具有广阔的应用前景。
- According to the characteristics of strong penetration of steam, the medicinal materials in the high vacuum state are passed into the steam, and the steam quickly penetrates into the medicinal materials to make the medicinal materials quickly and evenly softened.
- Traditional Chinese medicine cooking and moistening machine is a novel equipment for the processing of traditional Chinese medicine, which is suitable for the rapid infiltration and cooking of traditional Chinese medicine. It can ensure the "water permeation of medicine", not only can maximize the retention of medicinal ingredients, but also improve the quality of machine decoction pieces of traditional Chinese medicine. After steaming and boiling, the slices are low in water content and easy to dry.
- The equipment is designed and made in accordance with the pressure vessel specification. The door of the cabinet is made of patented technology with good sealing performance and convenient opening. This equipment is not only used for infiltration of Chinese medicinal materials, but also for steam sterilization of medicinal materials, and online cleaning function, so it has a broad application prospect in the processing of Chinese medicinal materials.

◆主要参数 key parameter

参数\型号		YXQ.WF32. 600×600-C/D (电热)	YXQ.WF32. 600×600-C/D (电热)	YXQ.WF32. 650×750-C/D	YXQ.WF32. 650×750-C/D	YXQ.WF32.7 50×1050-C/D	YXQ.WF32.7 50×1050-C/D
容积m³		0.3	0.36	0.6	0.8	1.2	1.5
设计压力MPa		0.245		0.245			
最高工作温度℃		129		129			
最高工作压力MPa		0.23		0.23			
汽源	汽源压力MPa	0.3-0.6		0.3-0.6			
	周期耗量Kg	23	23	30	30	40	45
水源	水源压力MPa	0.15-0.3		0.15-0.3			
	周期耗量Kg	150	150	210	210	400	400
电源	控制电源	AC220V/50HZ/3A		AC220V/50HZ/3A			
	动力电源	AC380V/50Hz/20A		AC380V/50Hz/20A			
	功耗KW	20		3.12		4.12	
行程周期min		<70		<50			
压缩空气压力MPa		0.5-0.8		0.5-0.8			
灭菌室尺寸 (长×宽×高) mm		850×600×600	1000×600×600	1240×650×750	1640×650×750	1500×750×1050	1900×750×1050
外形 尺寸	C:单扉mm	1150×1224×1750	1300×1224×1750	1550×1350×1770	1840×1350×1770	1780×1450×1960	2180×1450×1960
	D:双扉mm	1230×1224×1750	1380×1224×1750	1610×1350×1770	1950×1350×1770	1820×1450×1960	2220×1450×1960
设备	C:单扉kg	约600	约650	约900	约1100	约1700	约2000
净重	D:双扉kg	约650	约700	约1000	约1200	约1800	约2100

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

JYL系列 远红外辐射中药煎药机

JYL Series far infrared radiation Chinese medicine decocting machine



六孔煎药机 锅数: 2×3 材质: 不锈钢
Number of six-hole decocting machine: 2×3 Material: stainless steel

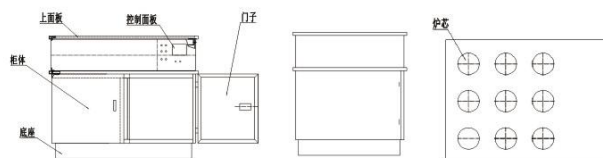


十二孔煎药机 锅数: 3×4 材质: 不锈钢
Number of 12-hole decocting pot: 3×4 Material: stainless steel



十五孔煎药机 锅数: 3×5 材质: 不锈钢
Number of 15-hole decocting pot: 3×5 Material: stainless steel

◆结构示意图 Structural diagram



◆主要用途 Main uses

●远红外加热技术是列入国家推广的新型节能技术之一，它在中药煎制上的应用，是推广我国中草药事业发展的一项重要举措。与传统的煎药方法相比，它具有节能省时、干净卫生等特点，并能最大限度的提取药物中的有效成分，同时满足不同患者对药物的不同需求。因此，该系列中药煎药机广泛用于医疗单位、中药店、科研机构对中草药的煎制上。远红外中药煎药机造型美观新颖，操作维修方便，深受国内外用户的青睐。

●Far infrared heating technology is included in the national promotion of one of the new energy-saving technology, its application in Chinese medicine decocting, is to promote the development of Chinese herbal medicine industry is an important measure. Compared with the traditional decocting method, it has the characteristics of energy saving, time saving, clean and sanitary, and can maximize the extraction of active ingredients in drugs, and meet the different needs of different patients for drugs. Therefore, this series of Chinese medicine decocting machine is widely used in medical units, Chinese medicine stores, scientific research institutions on the Chinese herbal medicine decocting. Far infrared Chinese medicine decocting machine beautiful and novel, convenient operation and maintenance, favored by users at home and abroad.

◆主要参数 key parameter

型号	JYL-2A/B	JYL-4A/B	JYL-6A/B	JYL-9A/B	JYL-12A/B	JYL-15A/B
规格	2孔	4孔	6孔	9孔	12孔	15孔
煎药机外形尺寸 (长×宽×高)mm	550×550×780	610×550×780	930×510×800	950×720×800	1300×950×900	1600×800×900
煎药锅尺寸mm	Φ120×190					
药罐容积ml	2000					
动力电源	AC380V/50HZ					
每孔功率W	800W/孔					
每付中药耗电量	(首次使用) ≥0.4KW/H (度)					
	(连续使用) ≥0.2KW/H (度)					
净重Kg	48	56	80	120	200	250

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

JYL系列 全自动中药煎药机

JYL series automatic Chinese medicine decocting machine



八孔煎药机 锅数: 2×4
材质: 不锈钢
Number of eight-hole decocting machine: 2×4
Material: stainless steel

◆主要用途 Main uses

●中药做为中华名族的瑰宝，药材资源丰富，且汤药易于吸收，疗效确切。其独特魅力使得现代西医无法与之比拟，已被我国医药学界和广大民众所接受，在全球范围呈推广之势。目前，汤药成为中医疗疾病的主要手段。

●由于传统的煎药方法耗时、耗能、耗人力且易于污染环境。我公司科研人员通过深入调研，在总结远红外辐射中药煎药机的基础上，成功研制出JYL-系列全自动中药煎药机，将传统煎药方式真正提高到自动化控制阶段，并保持了中药药性和传统煎制的要求。

●Chinese traditional medicine as the treasure of the Chinese nation, the medicinal materials are rich in resources, and the decoction is easy to absorb, the effect is exact. Its unique charm makes modern western medicine can not be compared with it, has been accepted by the medical field and the general public in China, the global scope of the trend of promotion. At present, decoction has become the main means of TCM treatment of diseases.

●Because the traditional decocting method is time consuming, energy consuming, manpower consuming and easy to pollute the environment. Our company's scientific research personnel through in-depth investigation, on the basis of summarizing the far infrared radiation Chinese medicine decocting machine, successfully developed JYL- series automatic Chinese medicine decocting machine, the traditional medicine decocting way really improved to the automatic control stage, and maintained the traditional Chinese medicine and traditional decocting requirements.

◆主要参数 key parameter

型号	JYL-8B	JYL-10B
规格	2孔	2孔
煎药锅尺寸mm	Φ200×130	Φ200×130
煎药锅容积ml	4000	4000
煎药锅数量(套)	8	10
定时范围min	0-99	0-99
输出功率W	每孔850W 1380×750×800120	每孔850W
外形尺寸 (长×宽×高)mm	1380×750×800120	1700×750×800140
净重kg	120	140

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

JYL系列 全自动煎药包装一体机

JYL Series automatic medicine packaging machine



JYL20/1+1型 1+1煎药机
JYL20/1+1 type 1+1 decocting machine



JYL20/2+1型 2+1煎药机
JYL20/2+1 type 2+1 decocting machine



JYL20/3+1型 3+1煎药机
JYL20/3+1 type 3+1 decocting machine

◆ 产品介绍 Product introduction

数字化总线控制，液晶数字化显示，设计先进，性能稳定。煎药包装一体化，特种玻璃缸锅体，可视煎药，美观大方，经济实用；密封煎煮，没有挥发，微压循环，药效更高；文火、武火自动转换，可实现先煎后下；通过加热盘内外环的不同温度，实现锅内循环煎煮。带有手工挤压杆，挤压药包中的残液，药味纯正，药效更好；液体包装“无液自动停机”防止包装材料的浪费，避免包装机头塑料卷的粘连，独家专利技术，行业技术领先。

◆ 操作方法 Operation method

- 1、检查清洗内部污垢、异物等，排尽清洗水。关闭所有阀门。
- 2、将药袋放入多孔桶内，适量加水，
- 3、盖上锅盖，接通电源，打开控制盒上的电源开关，按动模式转换按钮，进入时间设定状态，设定煎药时间，其大小选择与饮片性质有关，一般饮片中有根、茎、壳、骨等硬物则时间长。然后再按模式转换按钮，使显示屏为温度显示。
- 4、按动运行按钮，武火指示灯亮，显示屏上温度数值不断升高，属于正常；煎药桶内药液出现沸腾时，显示屏显示100℃，武火指示灯灭，文火指示灯亮，设定的时间开始计时，期间文火、武火指示灯会交替亮灭，属于正常。（注意：计时时间从100℃开始，如果沸腾时温度显示没有到100℃或以上，则仍不计时。）
- 5、到设定时间后，自动切断加热盘电源，运行指示灯灭，煎药结束。
- 6、打开锅盖，提起多孔桶，用专用的插件将多孔桶悬空架在桶上，滴出药液，并用附带的专用压盘挤压药袋，挤出药渣中的残存药汁，然后，设定包装包数和包装量，转动出液阀门手柄使其完全打开，接着启动包装机的运行开关，开始包装，第一包有管道内的水，一般不要。
- 7、药液包装完毕后，立即放入一定清水，如果重复处方继续煎药，则重复以上步骤，若不再煎药，则用清水清洗，整理干净以备后用。

Digital bus control, LCD digital display, advanced design, stable performance. Decoction packaging integration, special glass tank pot body, visible decoction, beautiful, generous, economic and practical; Sealed decocting, no volatile, micro-pressure circulation, higher efficacy; Automatic conversion of slow fire and wudhuo can be realized after frying first; By heating the different temperatures of the inner and outer rings of the pan, the frying cycle can be realized in the pan. With manual extruding rod, extruding the residual liquid in the medicine package, the medicine tastes pure and the drug effect is better. Liquid packaging "no liquid automatic stop" to prevent the waste of packaging materials, avoid packaging machine head plastic roll adhesion, exclusive patent technology, leading industry technology.

1. check the cleaning internal dirt, foreign bodies, etc., drain the cleaning water. Close all valves. 2. Put the medicine bag into the porous bucket, add some water. 3. Cover the pot, turn on the power supply, open the power switch on the control box, press the mode conversion button, enter the time setting state, set the time of decocting, the size of the choice is related to the nature of decoction pieces, the general decoction pieces have roots, stems, shells, bones and other hard things, the time is long. Then press the mode switch button to make the display display for temperature. 4. Press the operation button, the Wuhuo indicator light, the temperature value on the display screen continues to rise, which is normal; When the liquid in the decoction bucket bores, the display screen shows 100℃, the Wuhuo indicator light is off, the light indicator light is on, and the set time starts to count, during which the light indicator light and the light indicator light will alternates, which is normal. (Note: The timing time starts from 100℃. If the boiling temperature does not reach 100℃ or above, the timing will not be counted.) 5. After the set time, automatically cut off the power supply of the heating plate, turn off the running indicator light, and finish the decocting. 6. open the lid, filed a porous barrels, with dedicated plug-in will porous bucket dangling on the bucket, ideas from the liquid, and with special pressure plate mauling medicine bags, squeeze out the remaining medicine liquid, then set packing package number and quantity, rotating valve handles to make it fully open of produced liquid, and then start packing machine operation switch, start packing, the first a pack of water pipe. Generally not. 7. After the liquid is packed, put some water into it immediately. If you repeat the prescription and continue decocting, repeat the above steps. If no longer decocting, clean with water and clean up for later use.

◆ 产品特点 Product features

- 1、煎药、包装一体化，结构紧凑，节省空间，美观大方，特种玻璃锅体，煎药过程透明可视。
- 2、适用于医院、卫生院、诊所、药房、药店。
- 3、常温煎药，可同时煎煮1-3个处方，每锅可煎3-15付药。
- 4、数控技术，全自动操作；文火武火自动转换，煎药时间自动控制，可先煎、后下。
- 5、液体包装规格70-280ML可调；包装袋袋型整洁高挡，避免漏液。
- 6、方便患者服用汤药，便于携带、储藏产品符合行业标准，煎药房管理规范。

◆ 安装方法 Installation method

- 1、该设备使用时无震动，不需固定安装，只需将设备平稳地安放在工作场地上即可。
- 2、该设备因具有发热功能，电热元件安置要选择通风良好、干燥、洁净的地方。
- 3、为便于修理，设备后面应留有左右空间位置。
- 4、该设备使用中要经常注水及清洗，所以设备安置在上、下水较方便的地方，便于排水。
- 5、为了保证人身操作安全，必须做好接地保护。同时提醒用户注意使用单相三端电源插座时，应保证电源插座有L标志一端接火线，有N标志一端接零线，有利于设备的电子线路正常运行，调整不受外界干扰。

◆ 主要参数 Key parameter

型号	JYL20/1+1	JYL20/2+1	JYL20/3+1
包装能力（袋/min）	8	8	8
包装容量（ml）	70~280	70~280	70~280
额定电压（V）	220	220	220
煎药功率（W）	2000	2000*2	2000*3
总功率（W）	2800	4800	6800
外形尺寸（mm）	570*650*1220	1050*635*1220	1300*635*1220
煎药量（付）	3*14	3*24	3*34
煎药机容量（L）	20	20*2	20*3
整机重量（kg）	80	115	150

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

LDR系列电热蒸汽发生器

LDR Series electric steam generator



◆性能特点 Performance feature

- 立式结构电热蒸汽锅炉，因为加热元件完全浸没在水中加热，电锅炉的效率非常高，辐射的损失能减到最低。经过精密计算设计，能使锅炉迅速、高效的达到工作压力。采用地表面热负荷电热元件容易融化或变软，每一元件均进行水压及耐电试验；锅炉在接上电源及水源后即可工作。近100%的热效率安静、清洁，更符合环保的要求，不会向大气排放NO_x（氮氧化合物）。
- 所有电器元件具有CE和CCC认证标志以确保产品安全及使用的寿命。
- 锅炉启动，停止速度快，运动负荷调节范围大，操作简便。
- 每组电热元件采用集中束型法兰连接，独立设置，具有结构简单，机械强度高，安全可靠，更换方便，使用寿命长等特点。
- 工作方式灵活，可设置为手动或自动模式。
- 独有功率切换功能，可根据实际蒸汽需求量调节功率，使各接触器使用时间、频率相同，提高设备使用寿命。
- 当电热锅炉某组电热元件发生缺相时，立即停止该组运动并切断电源。
- 立式结构紧凑而美观，造型优雅，色彩明快，占地面积小便于安装。

- Vertical structure electric steam boiler, because the heating element is completely immersed in water heating, the efficiency of the electric boiler is very high, the loss of radiation can be reduced to a minimum. Through precise calculation and design, the boiler can reach the working pressure quickly and efficiently. The electric heating element with ground surface heat load is easy to melt or become soft, and each element is subjected to hydraulic pressure and electric resistance test; The boiler can work after it is connected to the power supply and water. Nearly 100% of the thermal efficiency of quiet, clean, more in line with the requirements of environmental protection, will not emit NO_x (nitrogen oxides) to the atmosphere.
- All electrical components have CE and CCC certification mark to ensure product safety and service life.
- Boiler start, stop speed is fast, sports load adjustment range is large, easy to operate.
- Each group of electric heating element adopts centralized bundle flange connection, independent setting, has the characteristics of simple structure, high mechanical strength, safety and reliability, convenient replacement, long service life and so on.
- Flexible working mode, can be set to manual or automatic mode.
- Unique power switching function, can adjust the power according to the actual steam demand, so that each contactor use time, frequency is the same, improve the service life of the equipment.
- When a group of electric heating elements of the electric heating boiler phase loss, immediately stop the group of movement and cut off the power supply.
- Vertical structure compact and beautiful, elegant shape, bright color, small footprint and easy to install.



◆ 主要参数 Key parameter

型号 参数	LDR0.0 5-0.7	LDR0.0 68-0.7	LDR0.08 5-0.7	LDR0.1 -0.7	LDR0.15 -0.7	LDR0.2 -0.7	LDR0.3 -0.7	LDR0.5 -0.7
额定蒸发量/kg/h	50	68	85	100	150	200	300	500
额定工作压力Mpa	0.7							
饱和蒸汽温度℃	171							
输入功率kw	36	48	60	72	108	144	216	360
输入电流A	56.5	73.8	92	113	169.2	235	329	547
额定电压V	AC380V/50HZ							
进水口径DN	15	15	15	15	25	25	25	25
主汽阀口径DN	20	20	25	25	32	32	32	40
安全阀口径DN	20	20	25	25	25	25	25	25
排污阀口径DN	20	20	25	25	32	32	32	32
外形尺寸 (长×宽×高) mm	870×500 ×1290	890×600 ×1390	900×650 ×1540	900×650 ×1540	1320×1040 ×1920	1380×1040 ×2020	1530×1300 ×2130	1530×1300 ×2310
净重kg	190	240	290	320	450	650	770	960

注：除电加热式以外，所需蒸汽源由用户自备；所需压缩空气源由用户自备；装饰板可根据需要选用。

无油空气压缩机

Oil-free air compressor



无油空气压缩机体积小、噪音低、性能稳定可靠，仪器采用双缸聚四氟乙烯活塞式主机，螺旋式离心风冷除水器或电子制冷除水器，结合不锈钢储气罐、蛋窝式吸音海绵等先进零部件，提高了整机性能与可靠性。

◆主要参数 key parameter

型号	LSW-50L	LSW-70L
压力开关调节范围	0.5-0.8MPa	0.5-0.8MPa
额定产气量	26L/min	28L/min
额定电压	0.8MPa	0.8MPa
电压	220V/50HZ	220V/50HZ
额定功率	550W	550W
噪音	<52db (A)	<52db (A)
储气罐容积L	5L	5L
净重kg	43	53
外形尺寸	400×500×730	400×500×730

◆主要特点

- 1、采用双缸活塞式压缩机，运行平稳可靠，无需润滑，输出气体纯净无油；
- 2、螺旋式离心风冷除水器，快速冷却压缩空气，离心分离冷凝水，经济高效；
- 3、电子制冷除水器，除水更彻底，尤其适合南方潮湿地区；
- 4、储气罐采用不锈钢制造，防止生锈；
- 5、箱式设计，蛋窝式吸音海绵，噪音更低；
- 6、采用三级过滤（二级进气过滤、一级出气过滤），过滤更加精细，气体更加纯净。

- 1, the use of double-cylinder piston compressor, stable and reliable operation, without lubrication, the output gas is pure and oil-free;
2. Spiral centrifugal air cooling dehydrator, fast cooling compressed air, centrifugal separation of condensed water, economic and efficient;
- 3, Electronic refrigeration dehydrator, dehydrating more thoroughly, especially suitable for wet areas in the south;
4. The gas storage tank is made of stainless steel to prevent rust;
- 5, Box design, egg nest type sound-absorbing sponge, lower noise; 6, the use of three filter (two stage air inlet filter, one stage air outlet filter), filter more fine, more pure gas.

◆应用领域

- 1、专业配套原子吸收分光光度计，提供纯净、恒压、干燥的压缩空气。主供国内外知名原子分光光度计配套。
- 2、其他用途，如镜头吹洗、呼吸机、牙科等。
- 1, professional supporting atomic absorption spectrophotometer, to provide pure, constant pressure, dry compressed air. The main supply of well-known atomic spectrophotometer at home and abroad.
2. Other applications, such as lens blow-washing, ventilator, dental, etc.

软水机 LQ-100

Water softeners LQ-100



◆主要用途 Main uses

软水机采用食品级阳离子交换树脂，高效去除水钙、镁离子，软化水质；使软化系统与入水全方位接触，实现水流与介质充分互动，确保软水效果；可自动/手动进行正反冲洗和吸盐再生，延长滤芯使用寿命；大流量，满足家庭、单位全方位用水软化，效果特好，安装方便，可放心使用。

The water softener adopts food-grade cation exchange resin, which can effectively remove calcium and magnesium ions from water and soften water quality. Make the softening system and the water in a full range of contact, to achieve full interaction between water flow and medium, to ensure the effect of softening water; Automatic/manual forward and back washing and salt absorption regeneration, prolong the service life of the filter element; Large flow, meet the family, unit all-around water softening, the effect is particularly good, easy to install, can rest assured to use.

一、设计依据及原则 Design Basis and Principles

- 1、《给排水标准规范实施手册》GBJ109-87
- 2、《工业锅炉水质标准》GB1576-2001
- 3、《全自动钠离子交换器技术条件》GB/T18300-2001
- 4、原水水质 5、出水水质要求
1. "Water Supply and Drainage Standard Specification Implementation Manual" GBJ109-87
2. "industrial boiler water quality standard" GB1576-2001
3. "automatic sodium ion exchanger technical conditions" GB/T18300-2001
4. raw water quality 5. Requirements for effluent water quality

二、进水水质要求 Two, inlet water quality requirements

- 1、进水硬度：要求小于8mmol/L
- 2、用水量：≥100L/h
- 3、进水压力：0.25-0.5MPa 4、工作温度：5-45℃
1. influent hardness: the requirement is less than 8mmol/L
2. water quantity: ≥100L/H
3. inlet pressure: 0.25-0.5Mpa 4. working temperature: 5-45℃

三、出水水质 Water quality of effluent
出水硬度小于0.03mmol/L
The effluent hardness is less than 0.03mmol/L

◆技术特点 Technical characteristics

- 运行方式：时间控制，全自动连续运行。
- 出水稳定：采用美国FLECK公司的全自动软化器，其控制核心为一个机械控制器，通过精确计算，准确控制再生时间和程度，即使出水量变化较大也不影响出水质量，确保用水设备安全运行。
- 自动化程度高：只要初期通过电话指导帮助设定和调试，既可在无人值班的条件下运行，现场的管理只需一人定期补充再生剂即可，适于高品位管理的业主。
- 运行费用低：软化器日常运转的费用一般为电耗、盐耗、人工费用和维护费用，FLECK全自动软化器在这方面有着无比的优越性。
- 电耗低：设备运行期间，运行时不超过20W。
- 盐耗低：最有效地利用再生剂（盐）。
- 人工费用低：控制器可在无人值班条件下运行，无须像人工操作那样配备多名运行人员，节省大量的人工费用。
- LQ-100型软化器整体装置为玻璃钢、耐腐蚀、避免树脂铁中毒，高强度，无人为所至则无须做维护；并因整体设备内各个组件均有较高的使用寿命，维护费用很低。结构轻盈、美观，扩容方便。整体玻璃钢缠绕的软化床、模塑的控制器、紧凑的布置，使得装置整洁美观。

- Operation mode: time control, automatic continuous operation.
- Stable effluent: The automatic softener made by Fleck Company in the United States is adopted. Its control core is a mechanical controller, which can accurately control the regeneration time and degree through accurate calculation. Even if the quantity of effluent changes greatly, the effluent quality will not be affected to ensure the safe operation of water equipment.
- High degree of automation: as long as the initial guidance through the telephone to help set and debug, both can be operated under the condition of no one on duty, the site management only need one person to regularly supplement the regenerative agent, suitable for high grade management owners.
- Low operation cost: the daily operation cost of the softener is generally power consumption, salt consumption, labor costs and maintenance costs, Fleck automatic softener has unparalleled advantages in this respect.
- Low power consumption: no more than 20W when the equipment is running.
- Low salt consumption: The most efficient use of regenerating agent (salt).
- Low labor cost: the controller can be operated under the condition of no one on duty, no need to be equipped with multiple operation personnel as manual operation, saving a lot of labor costs. LQ-100 type softener overall device for glass steel, corrosion resistance, avoid resin iron poisoning, high strength, no human to do no maintenance; And because of the overall equipment within the various components have a higher service life, maintenance costs are very low. The structure is light, beautiful and easy to expand. Integral fiberglass wound



灭菌柜的GMP验证

GMP verification of sterilization cabinet

TEMPERATURE SENSOR
温度传感器

TACHOMETER
转速计算器

PRESSURE SENSOR
压力传感器

PRESSURE SENSOR
压力传感器

验证过程

The validation process

DESIGN QUALIFICATION(DQ)
设计确认

INSTALLATION QUALIFICATION(IQ)
安装确认

OPERATIONAL QUALIFICATION(OQ)
运行确认

PERFORMANCE QUALIFICATION(PQ)
性能确认

被灭菌物的搬运方式

The way in which sterilized materials are transported

SHELF WAY 搁板方式

灭菌室有可装卸的搁板，被灭菌物装入框内放在搁板上。
Sterilization room is provided with a loadable partition board, and the sterilized materials are placed in a frame on the partition board.

TRUCK AND FRAME CAR MODE 搬运车及框架车方式

运送载放被灭菌物的框架车出入灭菌室时使用搬运车。
Transporting the frame truck carrying the sterilized material to and from the sterilization room.

GROUND LOADING TROLLEY MODE 地面装填手推车方式

通过装置的安装，作业室地板同时装置灭菌室外底面同高时，被灭菌物装在地面手推车中收纳入灭菌室或自灭菌室取出。
Through the installation of the device, when the floor of the working room is at the same height as the bottom surface of the sterilization outdoor device, the sterilized substances are loaded into the trolley on the ground and collected into the sterilization room or removed from the self-sterilization room.

SHELF WAY 搁板方式

根据装置的安装方法，作业室地板同装置灭菌室底面有一定落差时，被灭菌。
According to the installation method of the device, when there is a certain drop between the floor of the working room and the bottom surface of the sterilization room of the device, it is sterilized.