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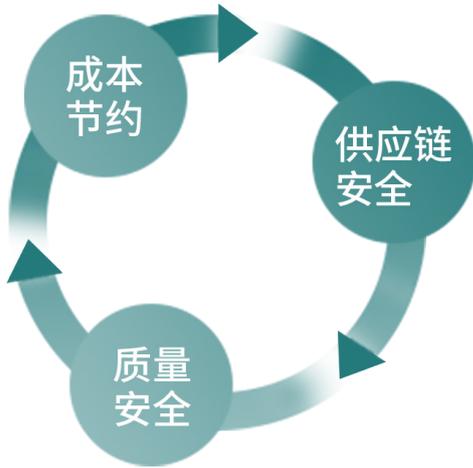
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MULTI BAG  
ASSEMBLY

# O HAC



“

上海偲瑞生物医药有限公司是一家从事一次性使用系统开发、生产和销售的高新技术企业，公司致力于打造高端、优质的一次性使用系统国产品牌，实现在生物制药领域各工艺过程中的一次性使用系统国产化。

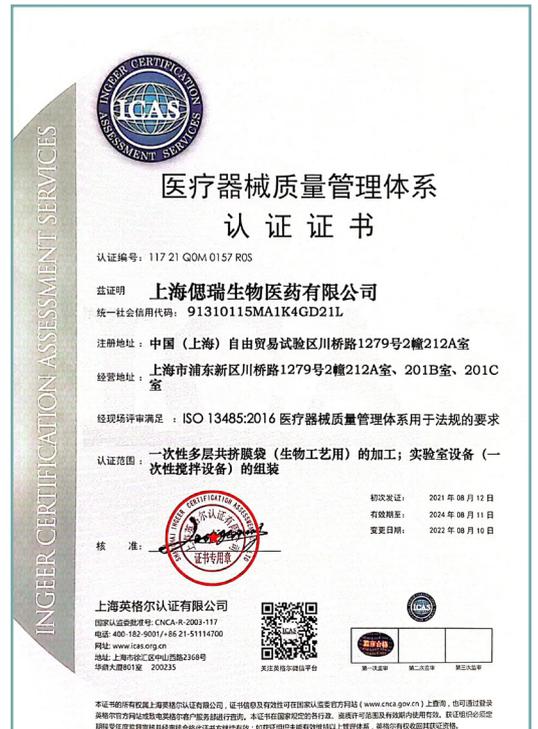
服务理念：为客户提供质量安全、供应链安全、成本节约的产品和服务。

质量安全：公司结合 ISO9001 和 ISO13485 的标准要求进行体系的建立和管控。为满足客户端的质量要求，公司对 C 级生产环境和产品的实现过程按照《药品生产质量管理规范》进行管理，确保产品在各个工艺流程的质量稳定可靠，保证产品的质量安全。

供应链安全：公司根据体系要求以及客户的定制需求对供应商进行有效的筛选并建立了合格的供应商目录，保证我司原材料的供给。公司对供应商进行分级审核管理以及原材料的供应环境和质量控制进行定期评价，形成战略合作伙伴关系，保证产品的供应链安全。

成本节约：在保证质量的前提下，公司通过原材料的开发，逐步实现进口材料的国产化替换，逐步降低产业链成本，最终使临床获益，普惠于民。

”



# 关于我们 ABOUT US



Shanghai Sirui Bio-Pharm Co., Ltd. is a high-tech enterprise engaged in the development, production and sales of single-use systems. Sirui is committed to building a high-end and high-quality domestic brand of single-use systems, and realizing the localization of single-use systems in various processes in the bio-pharmaceutical field.

Service philosophy: to provide customers with products and services of quality safety, supply chain security, and cost saving.

Quality and safety: Shanghai Sirui establishes and controls the system in accordance with the requirements of ISO9001 and ISO13485 standards. In order to meet the quality requirements of the client, our company manage the C-level production environment and the product realization process in accordance with GMP to ensure the stable and reliable quality of the products in each process and ensure the quality and safety of products.

Supply chain safety: Shanghai Sirui has effectively screened the suppliers according to the system requirements and the customized needs of the customers, and established a qualified supplier directory to ensure the supply of raw materials. Sirui conducts hierarchical audit management of suppliers and regular evaluation of the supply environment and quality control of raw materials to form a strategic partnership to ensure the safety of the product supply chain.

Cost saving: under the premise of ensuring quality, Shanghai Sirui gradually realizes the localization replacement of imported materials through development of raw materials. Sirui gradually reduces the cost of the industrial chain, and ultimately benefits the clinical benefit to the people."



# СИСТЕМА КАЧЕСТВА

## 质量控制 QUALITY SYSTEM

人

操作者按照管理文件执行和操作。  
各部门的作业指导书

机

完好的设备状态。  
设备管理规程  
设备验证

料

原辅材料质量满足生产要求。  
采购管理规程  
仓库管理规程

法

正确的设计、加工方法、检测方法。  
产品检验规程  
生产管理规程

环

与产品相接触的生产环境、设备  
卫生、车间密闭性、车间压力等。  
洁净车间环境监测管理规程

M

Operators perform and operate according to management documents.  
Work instruction for each department

M

Intact condition of equipment.  
Equipment management regulations  
Equipment validation

M

The quality of raw and auxiliary materials meets the  
production requirements.  
Procurement management rules  
Warehouse management regulations

M

Correct design, machining method and testing method.  
Product inspection procedure  
Production management procedure

E

Production environment in contact with the product, equipment hygiene,  
workshop tightness, workshop pressure, etc.  
Clean workshop environmental monitoring management regulations

序号 验证项目

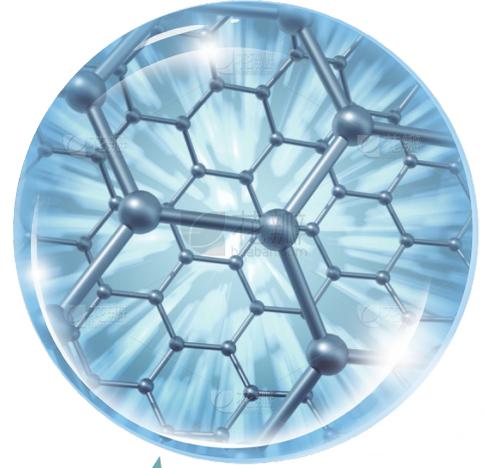
- | 序号 | 验证项目              |
|----|-------------------|
| 1  | 21 天可提取物研究报告      |
| 2  | 70 天可提取物研究报告      |
| 3  | 型式检验              |
| 4  | 洁净厂房验收报告          |
| 5  | 辐照验证              |
| 6  | 产品工艺验证            |
| 7  | 产品冷冻试验            |
| 8  | 长期稳定性验证           |
| 9  | 洁净厂房月度 / 季度动、静态检测 |



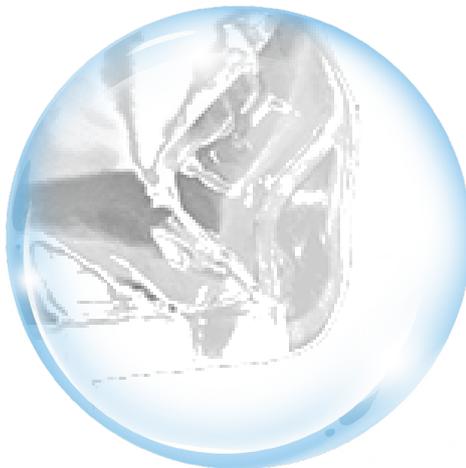
内毒素检测  
Endotoxin Inspection



焊接强度测试  
Weld Strength Test



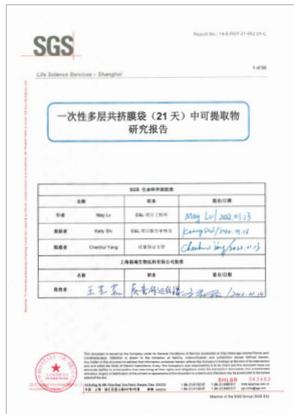
微粒检测  
Particle Inspection



完整性测试  
Integrity Test

### 21 天可提取物研究报告

Report of 21 days extractable study



### 70 天可提取物研究报告

Report of the 70-day extractable study



### 皮内刺激测试

Intradermal stimulation test



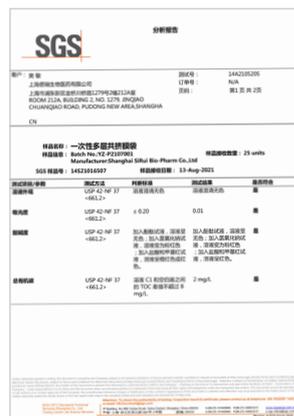
### 热原试验

Pyrogen test



### 化学性能测试 (PH 总有机碳紫外)

Chemical properties test (PH total organic carbon UV)



### 急性全身毒性试验

Acute systemic toxicity test



### 溶血试验

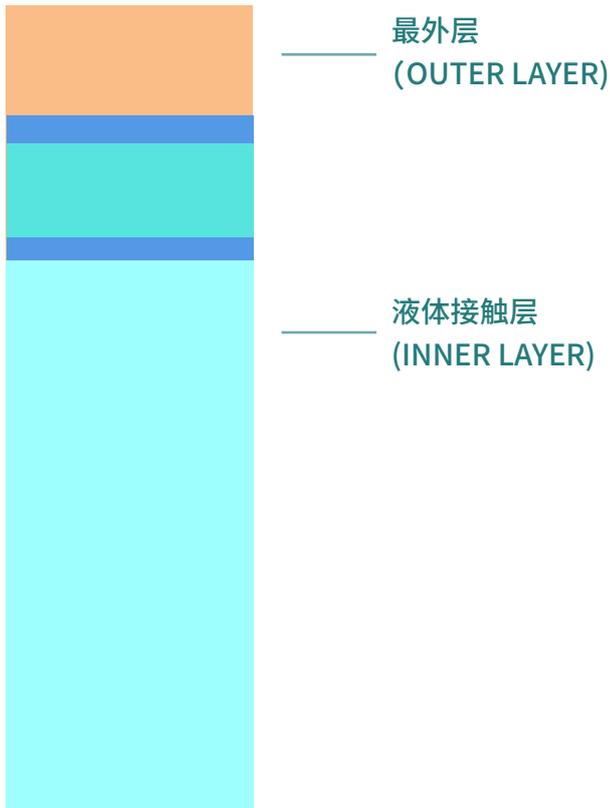
Hemolysis test



# Введение мембранного материала

## 膜材介绍

MEMBRANE MATERIAL INTRODUCTION



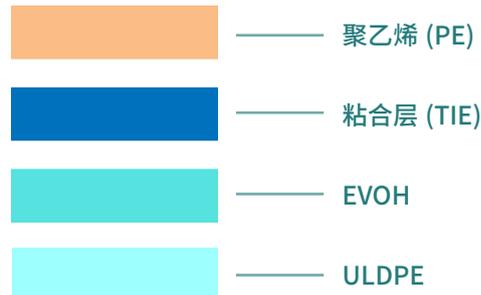
一次性使用系统对材料的要求极高，而直接与液体大面积接触的袋体用料尤为重要，我公司制袋采用的 5 层共挤膜符合相关规定，具体信息如下：

PE-tie-EVOH-tie-ULDPE（由外至内）厚度：0.325,mm

Disposable systems have extremely high requirements for materials, and the material of the bag body that directly contacts with the liquid on a large area is important. The 5-layer co-extruded film used in our bag making meets the relevant regulations.

The specific information is as follows:

PE-tie-EVOH-tie-ULDPE



**PE:** 化学兼容性与生物相容性优良，物理性能好

**EVOH:** 超强的抗撕裂性能，阻水阻气层，对各种气体透过率不同

**Tie:** 粘合层，提供韧性

**ULDPE:** 液体接触层

**PE:** Excellent chemical compatibility and biocompatibility, good physical properties

**EVOH:** Super tear resistance, water and gas barrier layer, different permeability to various gases

**Tie:** Adhesive layer to provide toughness

**ULDPE:** Liquid contact layer

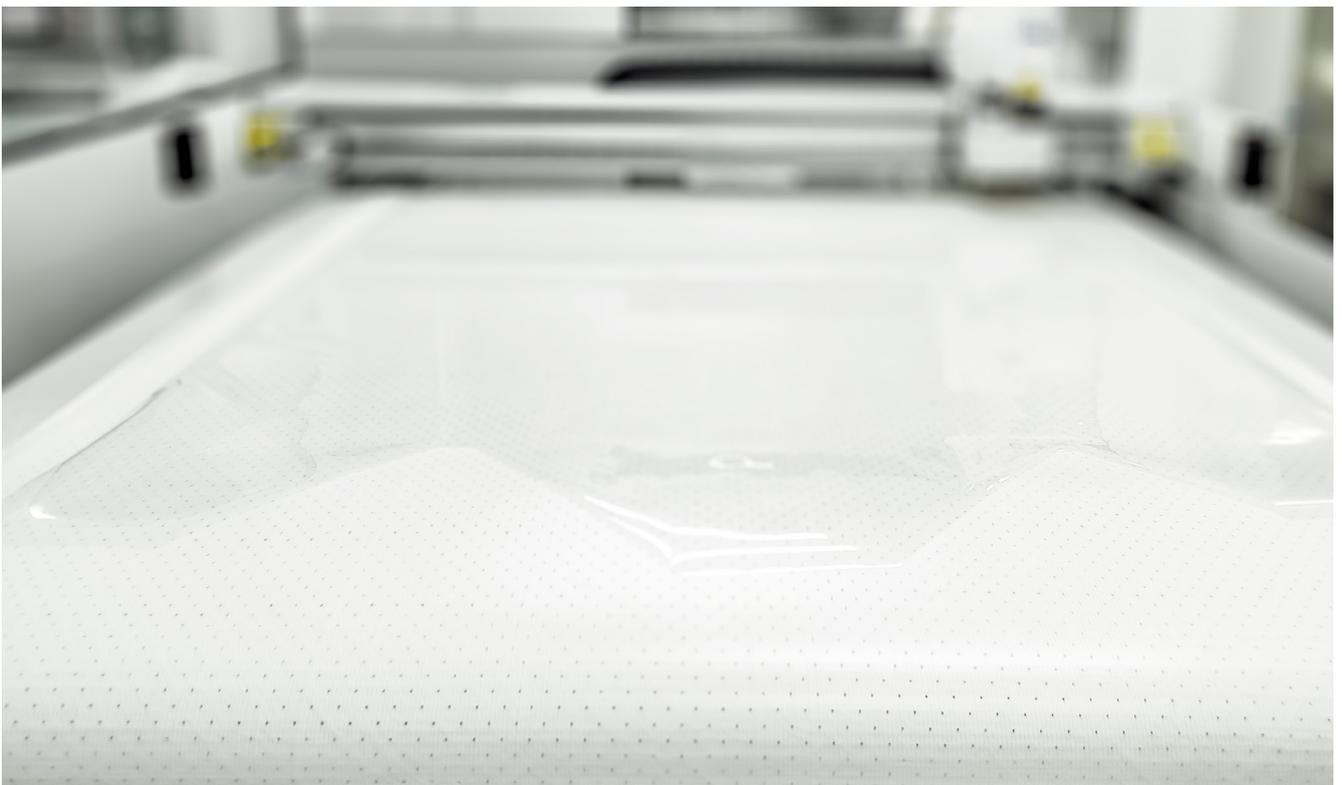


## 膜材合规性 СООТВЕТСТВИЕ МЕМБРАНЫ

ISO10993-4:	Hemolysis 溶血试验
ISO10993-5:	Cytotoxicity 细胞毒性
ISO10093-6:	Implantation test 植入测试
ISO10993-10:	Irritation and Sensitization tests 致敏测试
ISO10993-11:	Acute Systemic Toxicity test 急性全身毒素测试
USP<85>:	Bacterial Endotoxins-LAL test 细菌内毒素
USP<88>:	Biological reactivity testing,in vivo,class VI 体内生物反应
USP<661>:	Plastic Containers European Pharmacopoeia tests,Ch. 3.1. 5 塑料容器欧洲药典测试 3.1.5 章
ADCF:	无动物来源成分

## FILM REGULATORY

ISO10993-4:	Hemolysis
ISO10993-5:	Cytotoxicity
ISO10093-6:	Implantation test
ISO10993-10:	Irritation and Sensitization tests
ISO10993-11:	Acute Systemic Toxicity test
USP<85>:	Bacterial Endotoxins-LAL test
USP<88>:	Biological reactivity testing ,in vivo,class VI
USP<661>:	Plastic Containers European Pharmacopoeia tests, Ch. 3.1. 5
ADCF	





## 产 品 简 介 OVER VIEW      ОБЗОР ПРОДУКТА

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上海偲瑞生物医药有限公司生产的 2D 一次性储液袋采用多层共挤膜，保证了无菌储液袋极低的气体透过性、良好的物理强度和广泛的化学兼容性及生物相容性，从而使其安全用于各种生物制药液体的储存和转运。标准的 2D 储液袋的规格从 5mL 到 50L，特殊规格和尺寸可定制。外形设计分为管路型和船型。

The 2D Single-use Storage Bags produced by Shanghai SiRui Bio-pharm adopt multi-layer coextrusion film, which ensures the extremely low gas transmittance, good physical strength and extensive chemical compatibility and biocompatibility, so that it can be safely used for the storage and transfer of various biopharmaceutical liquids. Standard 2D Bags are available in sizes from 5mL to 50L, with special sizes to be customized. The shape design is divided into pipe type and boat type.



## 应用 ПРИЛОЖЕНИЯ

- > 生物工艺上游培养基、补料等储存
- > 生物工艺下游纯化缓冲液储存和转运
- > 生物工艺过程中的组分收集
- > 上下游样品收集
- > 多批次产品或料液合并
- > 原液收获、分装、储存和转运
- > 终产品的运输

## APPLICATION

- > Storage of media, feed, etc.
- > Purification buffer storage
- > Collection of components or samples
- > Multi-batch product or liquid-material combination
- > Storage during transport



## 产品特性 ОСОБЕННОСТИ ПРОДУКТА

- > 膜材具有良好的物理强度、化学兼容性及生物相容性
- > 高透明度膜，有利于辅助性工艺判断
- > 可满足生物制药工艺中各类溶液的储存和转运需求
- > 袋体尺寸规格以及管路接头可灵活定制，满足多工艺点的需求

## FEATURES

- > Membrane Material with good physical strength, chemical compatibility and biocompatibility
- > High transparency membrane, easy to observe
- > Flexibly customized with various sizes and meet the needs of multiple process points

## 产品说明

ОПИСАНИЕ ПРОДУКТА

袋体	多层膜结构，液体接触层为 ULDPE
管路	TPE, PVC, C-flex 等，特殊规格管路可定制
接头	快接头、鲁尔取样、过滤器、无菌连接器、管塞等
接口数量	常规可选 2-3 个接口（5mL 储液袋接口数量为 1）
体积	5mL-50L，特殊规格和尺寸可定制
灭菌	辐照灭菌
包装	双层 PE 袋独立包装
使用温度	-80°C +45°C

## BAGS INFORMATION

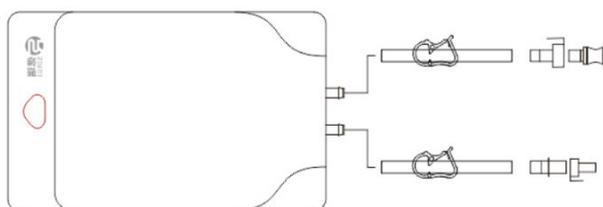
FILM	Multilayer film structure, liquid contact layer is ULDPE
TUBES	TPE, PVC, C-flex, etc., special specifications can be customized
CONNECTOR	Quick couplings, Luer sampling, filters, sterile connectors, Tube plugs, etc
TUBES NUMBER	2-3 Tubes for Standard products, and 1 Tube for 5mL
VOLUME	5mL-50L, with special specifications and sizes customized
STERILIZATION	Irradiation sterilization
PACKAGING	Two polyethylene outer layers
OPERATING TEMPERATURE	-80°C +45°C

## 船型 BOAT TYPE (ТИП ЛОДКИ)

# 2D 储液袋

船型 2D 储液袋由船型配件连接袋体和管路，规格为 50mL~50L，管路可选各种材质、孔径、长度，接头可选快接头、无菌接头、鲁尔取样、过滤器、管塞等。

The pipeline type 2D liquid storage bag is connected by a number of 6.8\*8.8mm PE pipes to the bag body and the pipeline. The specification is 5ml-50L. The pipeline can be selected from various materials, apertures and lengths. The joints can be quick connector, Sterile connectors, Luer sampling, filters, pipe plugs, etc.

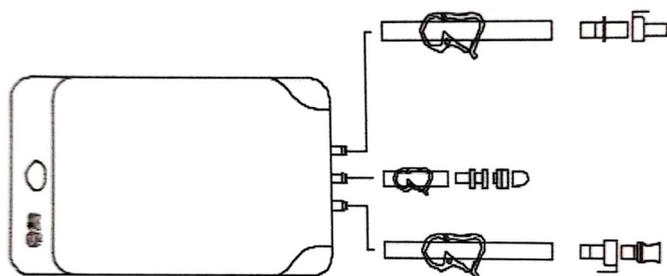


### 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	管路	包装规格
CX050MB	50mL	1/4" X 3/8" 热塑管 15cm, MPC 快接头, 管夹	30 个 / 箱
CX150MB	150mL	1/4" X 3/8" 热塑管 15cm, MPC 快接头, 管夹	30 个 / 箱
CX250MB	250mL		30 个 / 箱
CX500MB	500mL		30 个 / 箱

## ORDERING INFORMATION

Article number	Volume	Pipeline	Packing specification
CX050MB	50mL	1/4" X 3/8" TPE 15cm, MPC male+sealing cap, pinch clamp	30Pcs/Box
CX150MB	150mL	1/4" X 3/8" TPE 15cm, MPC female+sealing cap, pinch clamp	30Pcs/Box
CX250MB	250mL		30Pcs/Box
CX500MB	500mL		30Pcs/Box

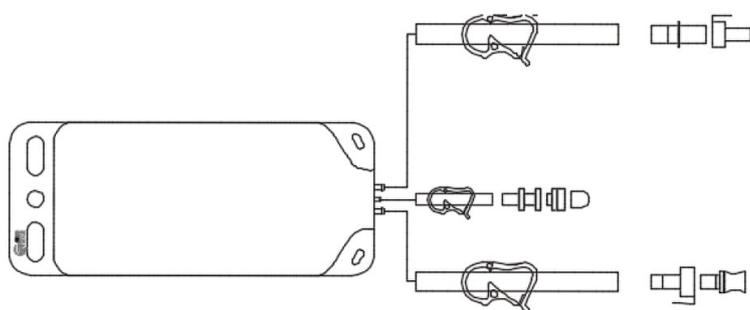


## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	管路	包装规格
CX0001C	1L	1/4" X 3/8" 热塑管 30cm, MPC 快接头, 管夹	30 个 / 箱
CX0002C	2L	1/4" X 3/8" 热塑管 30cm, MPC 快接头, 管夹	30 个 / 箱
CX0003C	3L	1/4" X 3/8" 热塑管 10cm, 鲁尔取样, 管夹	30 个 / 箱

## ORDERING INFORMATION

Article number	Volume	Pipeline	Packing specification
CX0001C	1L	1/4" X 3/8" TPE 30cm, MPC male+sealing cap, pinch clamp	30Pcs/Box
CX0002C	2L	1/4" X 3/8" TPE 30cm, MPC female+sealing cap, pinch clamp	30Pcs/Box
CX0003C	3L	1/4" X 3/8" TPE 10cm, Luer® Lock female + needle free sampling port, dust cap, pinch clamp	30Pcs/Box



## 订购信息 Информация для заказа

货号	容积	管路	包装规格
CX0005C	5L	3/8" X 5/8" 热塑管 30cm, MPC 快接头, 管夹	30 个 / 箱
CX0010C	10L	3/8" X 5/8" 热塑管 30cm, MPC 快接头, 管夹	15 个 / 箱
CX0020C	20L	1/4" X 3/8" 热塑管 10cm, 鲁尔取样, 管夹	15 个 / 箱
CX0050C	50L		15 个 / 箱

## ORDERING INFORMATION

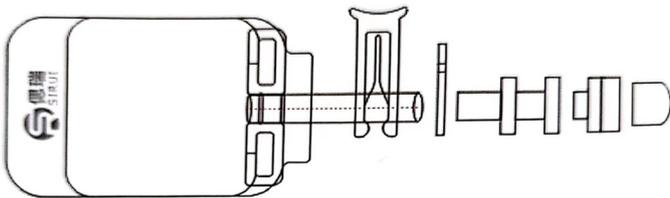
Article number	Volume	Pipeline	Packing specification
CX0005C	5L	3/8" X 5/8" TPE 30cm, MPC male+sealing cap, pinch clamp	30Pcs/Box
CX0010C	10L	3/8" X 5/8" TPE 30cm, MPC female+sealing cap, pinch clamp	15Pcs/Box
CX0020C	20L	1/4" X 3/8" TPE 10cm, Luer® Lock female + needle free	15Pcs/Box
CX0050C	50L	sampling port, dust cap, pinch clamp	15Pcs/Box

# 管路型 PIPELINE TYPE (ТИП ТРУБОПРОВОДА)

## 2D 储液袋

管路型 2D 储液袋由 PE 管连接袋体和管路，规格为 5ml~50l，管路可选各种材质、孔径、长度，接头可选快接头、无菌接头、鲁尔取样、过滤器、管塞等

The ship mouth 2D liquid storage bag is connected by the ship-shaped fittings to the bag body and the pipeline. The specification is 5ml-50L. The pipeline can be selected from various materials, apertures and lengths. The joints can be quick connector, sterile connectors, Luer sampling, filters, pipe plugs, etc.

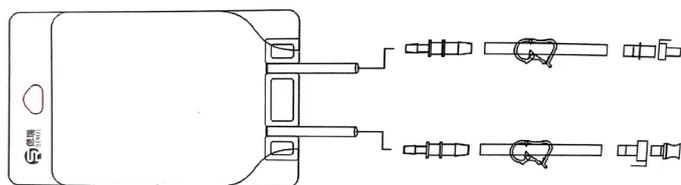


### 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	管路	包装规格
2D005MA	5mL	6.8mmx8.8mm PE 管 5cm，鲁尔取样，片夹	200 个 / 箱

### ORDERING INFORMATION

Article number	Volume	Pipeline	Packing specification
2D005MA	5mL	6.8mmx8.8mm PE 5cm, Luer sampling, clip	200pcs/carton

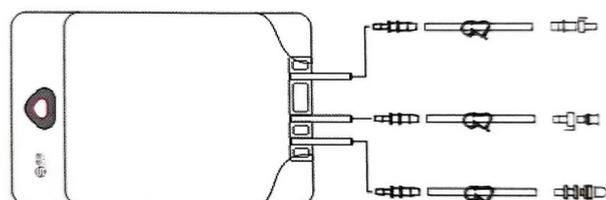


## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	管路	包装规格
2D050MB	50mL	1/8"x1/4" 热塑管 15cm, MPC 快接头, 管夹	30 个 / 箱
2D150MB	150mL	1/8"x1/4" 热塑管 15cm, MPC 快接头, 管夹	30 个 / 箱
2D250MB	250mL		30 个 / 箱
2D500MB	500mL		30 个 / 箱

## ORDERING INFORMATION

Article number	Volume	Pipeline	Packing specification
2D050MB	50mL	1/8"x1/4" TPE 15cm, MPC male + sealing cap+pinch clamp	30pcs/carton
2D150MB	150mL	1/8"x1/4" TPE 15cm, MPC female + sealing cap+pinch clamp	30pcs/carton
2D250MB	250mL		30pcs/carton
2D500MB	500mL		30pcs/carton

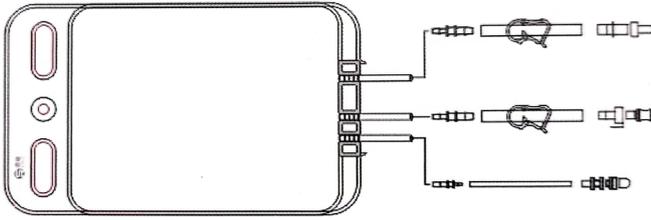


## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	管路	包装规格
2D0001C	1L	1/4" X 3/8 " 热塑管 30cm, MPC 快接头, 管夹	30 个 / 箱
2D0002C	2L	1/4" X 3/8 " 热塑管 30cm, MPC 快接头, 管夹	30 个 / 箱
2D0003C	3L	1/8"X1/4" 热塑管 10cm, 鲁尔取样, 管夹	30 个 / 箱

## ORDERING INFORMATION

Article number	Volume	Pipeline	Packing specification
2D0001C	1L	1/4" X 3/8" TPE 30cm, MPC male+sealing cap, pinch clamp	30pcs/carton
2D0002C	2L	1/4" X 3/8 " TPE 30cm, MPC female+sealing cap, pinch clamp	30pcs/carton
2D0003C	3L	1/8" X 1/4" TPE 10cm, Luer® Lock female + needle free sampling port, dust cap, pinch clamp	30pcs/carton



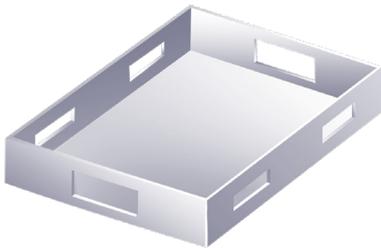
## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	管路	包装规格
2D0005C	5L	3/8"x5/8" 热塑管 30cm, MPC 快接头, 管夹	30 个 / 箱
2D0010C	10L	3/8"x5/8" 热塑管 30cm, MPC 快接头, 管夹	15 个 / 箱
2D0020C	20L	1/8"x1/4" 热塑管 10cm, 鲁尔取样, 管夹	15 个 / 箱
2D0050C	50L		15 个 / 箱

## ORDERING INFORMATION

Article number	Volume	Pipeline	Packing specification
2D0005C	5L	3/8" X 5/8" TPE 30cm, MPC male+sealing cap, pinch clamp	30pcs/carton
2D0010C	10L	3/8" X 5/8" TPE 30cm, MPC female+sealing cap, pinch clamp	15pcs/carton
2D0020C	20L	1/8" X 1/4" TPE 10cm, Luer® Lock female + needle free	15pcs/carton
2D0050C	50L	sampling port, dust cap, pinch clamp	15pcs/carton

## 支撑容器和辅助件 2D AUXILIARY PARTS FOR LIQUID STORAGE BAG ОПОРНЫЕ КОНТЕЙНЕРЫ И АКСЕССУАРЫ



### 塑料托盘

材质	聚乙烯 (PE)
规格	5L-50L (特殊规格可定制)
特征	<ul style="list-style-type: none"> <li>○ 人体工学把手设计</li> <li>○ 限位角设计, 便于维持稳定的堆砌状态</li> <li>○ 底板预留排液管路孔</li> </ul>
应用	2D 输液袋辅助运转

### Plastic tray

Material	Polyethylene (PE)
Specifications	5L-50L (special specifications can be customized)
Features	<ul style="list-style-type: none"> <li>○ Ergonomic handle design</li> <li>○ Limit angle design, easy to maintain a stable stacking state</li> <li>○ The bottom plate is reserved for drainage pipe holes</li> </ul>
Application	2D storage bag assisted operation



### 不锈钢小推车

材质	304 不锈钢 (SS304)
规格	模块化设计, 可选层高 / 层数, 便于后期扩展
特征	<ul style="list-style-type: none"> <li>○ 人体工学把手设计</li> <li>○ 侧部支架可用于悬挂储液袋 (≤ 10L)</li> <li>○ 隔板可设计 3~5° 倾角, 利于液体排空</li> <li>○ 轻易坚固, 易于运输</li> </ul>
应用	<ul style="list-style-type: none"> <li>○ 2D 储液袋辅助运转</li> <li>○ 2D 储液袋辅助操作</li> </ul>

### Supporting stainless steel cart

Material	304 stainless steel (SS304)
Specification	Modular design, optional layer height/number of layers, easy for later expansion
Features	<ul style="list-style-type: none"> <li>○ Ergonomic handle design</li> <li>○ Side brackets can be used to hang liquid storage bags (≤ 10L)</li> <li>○ The baffle can be designed with a 3~5° inclination angle, which is conducive to liquid emptying</li> <li>○ Lightweight and strong, easy to transport</li> </ul>
Application	<ul style="list-style-type: none"> <li>○ 2D storage bag assisted operation</li> <li>○ 2D storage bag auxiliary operation</li> </ul>



### 储液支架

材质	304 不锈钢 (SS304)
规格	模块化设计, 可选层高 / 层数, 便于后期扩展
特征	<ul style="list-style-type: none"> <li>○ 隔板可设计 3~5° 倾角, 利于液体排空</li> <li>○ 轻便坚固, 易于运输</li> </ul>
应用	<ul style="list-style-type: none"> <li>○ 2D 储液袋辅助运转</li> <li>○ 批量中间产品储存</li> </ul>

### Liquid storage bracket

Material	(SS304)
Specification	Modular design, optional layer height/number of layers, convenient Easy to expand later
Feature	<ul style="list-style-type: none"> <li>○ The baffle can be designed with a 3~5° inclination angle, which is conducive to liquid emptying</li> <li>○ Lightweight and strong, easy to transport</li> </ul>
Application	<ul style="list-style-type: none"> <li>○ 2D storage bag assisted operation</li> <li>○ Bulk intermediate product storage</li> </ul>

# ОДНОРАЗОВАЯ ЖИДКОСТЬ СИСТЕМА РАЗДАЧИ

# 一次性配液系统

Single-use liquid dispensing system



## 产品简介 OVERVIEW

ОБЗОР ПРОДУКТА

一次性配液系统主要由上搅拌系统、一次性衬袋、配套容器组成，适用于液 - 液、固 - 液的均匀混合搅拌，大幅提高了工艺的过程效率。

The single-use liquid dispensing system is mainly composed of an upper mixing system, a disposable lining bag and a supporting container. It is suitable for uniform mixing and stirring of liquid-liquid and solid-liquid, which greatly improves the process efficiency of the process.



### 上搅拌设备

#### 304 不锈钢支架：

搅拌过程中为整个平台提供支撑

#### 进口电机与变频器：

精确的转速便于各类不同搅拌工艺的验证

#### 不锈钢搅拌轴和桨叶：

拌桨叶的安装和拆卸方便快捷

#### 技术参数：

电源要求 --AC220V01z

搅拌体积 -50-500L

转速范围 --0-200rpm

### Upper mixing equipment

#### ● 304 stainless steel support:

to provide support for the entire platform during the mixing process

#### ● Imported motor and frequency converter:

accurate speed is convenient for verification of various mixing processes

#### ● Stainless steel mixing shaft and blades:

the installation and disassembly of the mixing blades is convenient and quick

#### ● technical parameter:

Power requirements—AC 220V 50Hz

Stirring volume—50L~500L

Speed range—0~200rpm



配套容器：可选塑料桶或不锈钢桶

塑料桶

线性低密度聚乙烯 (LOPE)，耐受常见醇类消毒剂擦拭  
 扩口式设计，方便衬袋翻边固定  
 材质洁净均一，内壁光滑，对柔软袋体无损伤  
 操作使用温度最高 60°C (不可高温蒸汽灭菌)  
 按需定制各种规格  
 配合衬袋使用

Matching container: optional plastic barrel or stainless steel barrel

Plastic bucket

- Linear low-density polyethylene (LOPE), resistant to common alcohol disinfectants
- The flared design is convenient for flanging and fixing of the lining bag
- The material is clean and uniform, the inner wall is smooth, and there is no damage to the soft bag body
- Maximum operating temperature is 60°C (no high temperature steam sterilization)
- Customize various specifications on demand
- Use with liner bag



不锈钢桶

- 304 不锈钢 (SS301)，耐受常见醇类消毒剂擦拭
- 扩口式设计，方便衬袋翻边固定
- 材质洁净均一，内壁光滑，对柔软袋体无损伤
- 坚固耐用
- 按需定制各种规格
- 配合衬袋使用

### Stainless steel barrel

- 304 stainless steel (SS304), resistant to wipe with common alcohol disinfectants
- The flared design is convenient for flanging and fixing of the lining bag
- The material is clean and uniform, the inner wall is smooth, and there is no damage to the soft bag body
- Customize various specifications on demand
- Use with liner bag



### 配套不锈钢转运底座

- 与配套容器搭配设计
- 主体 :304 不锈钢 (SS304)
- 轮面 :PU
- 滑轮 : 静音万向轮 4 个，均带锁止功能

### Supporting stainless steel transfer base

- Designed with matching container
- Main body: 304 stainless steel (SS304)
- Wheel surface: PU
- Pulleys: 4 silent universal wheels, all with locking function

# 一次性衬袋 Single-use liner bag

(одноразовый подкладочный мешок)



## 产品信息

ИНФОРМАЦИЯ О ТОВАРЕ

接口数目	定制
规格	19L~568L(特殊规格可定制)
使用温度	-80°C ~+45°C
包装方式	双层独立包装
灭菌	r 射线辐照灭菌 (25~40kGy)

## PRODUCT INFORMATION

NUMBER OF INTERFACES	Customized
SPECIFICATION	19L-568L (special specifications can be customized)
OPERATING TEMPERATURE	-80°C ~+45°C
PACKING	Double independent packaging
STERILIZATION	γ-ray irradiation sterilization (25-40kGy)

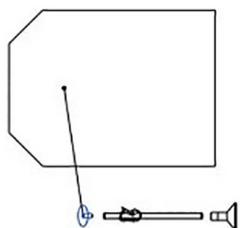


## 产品特色 Особенности продукта

- > 相比封闭式袋型，具有更高的经济性
- > 敞口式设计方便大呈物料快速投入
- > 膜材高度透明，有利于辅助工艺过程的判断
- > 灵活定制尺寸、管路、接头
- > 多种规格，容积可定制 19L~568L

## FEATURES

- > Compared with closed bag type, it has higher economic efficiency
- > The open design is convenient for the rapid input of materials
- > The film material is highly transparent, which is helpful to assist the judgment of the process
- > Flexible customization of size, piping, joints
- > A variety of specifications, the volume can be customized 19L~568L



## 产品应用 ПРИЛОЖЕНИЯ

- > 缓冲液配制
- > 培养基配制
- > 中间产物混匀

## APPLICATIONS

- > Buffer preparation
- > Medium preparation
- > Intermediate product mixing



## 订货信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	组件	适配桶尺寸 (直径 * 高)	包装规格
CD0019A	19L	1/4"x3/8" 硅胶管 30cm, TC25 接头, 管夹	28*38cm	10 个 / 箱
CD0028A	28L		32*46cm	10 个 / 箱
CD0038A	38L		33*51cm	10 个 / 箱
CDO057A	57L		36*71cm	10 个 / 箱
CD0113A	113L	3/8"x5/8" 硅胶管 30cm, TC25 接头, 管夹	48*76cm	5 个 / 箱
CDO208A	208L		56*91cm	5 个 / 箱
CD0303A	303L		61*122cm	5 个 / 箱
CD0378A	378L	1/2"x3/4" 硅胶管 30cm, TC25 接头, 管夹	71*112cm	5 个 / 箱
CD0568A	568L		81*124cm	5 个 / 箱
CD0050A	50L		36*69cm	10 个 / 箱
CD0100A	100L	3/8"x5/8" 硅胶管 30cm, TC25 接头, 管夹	48*76cm	5 个 / 箱
CD0200A	200L		56*91cm	5 个 / 箱

注：所接管道可定制各种材质、孔径、长度，接头可选快接头、喇叭口等。

**ORDER INFORMATION**

Article number	Volume	Component	Adaptation barrel size (Diameter*height)	packing specification
CD0019A	19L	1/4"×3/8" silicone tube 30cm, TC25	28*38cm	10 pcs/box
CD0028A	28L	connector, pipe clamp	32*46cm	10 pcs/box
CD0038A	38L		33*51cm	10 pcs/box
CD0057A	57L	3/8"×5/8" silicone tube 30cm, TC25	36*71cm	10 pcs/box
CD0113A	113L	connector, pipe clamp	48*76cm	5 pcs/box
CD0208A	208L		56*91cm	5 pcs/box
CD0303A	303L		61*122cm	5 pcs/box
CD0378A	378L	1/2"×3/4" silicone tube 30cm, TC25	71*112cm	5 pcs/box
CD0568A	568L	connector, pipe clamp	81*124cm	5 pcs/box
CD0050A	50L		36*69cm	10 pcs/box
CD0100A	100L	3/8"×5/8" silicone tube 30cm, TC25	48*76cm	5 pcs/box
CD0200A	200L	connector, pipe clamp	56*91cm	5 pcs/box

Note: The connected pipes can be customized in various materials, diameters, and lengths, and the connectors can be quick connectors, bell mouths, etc.


**订货信息 ORDER INFORMATION** ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	容积	组件	适配桶尺寸 (直径 * 高)	包装规格
Article number	Volume	Component	Adaptation barrel size (Diameter*height)	packing specification
CD0019Z	19L	NA	28*38cm	10 个 / 箱
CD0028Z	28L	NA	32*46cm	10 个 / 箱
CD0038Z	38L	NA	33*51cm	10 个 / 箱
CD0057Z	57L	NA	36*71cm	10 个 / 箱
CD0113Z	113L	NA	48*76cm	5 个 / 箱
CD0208Z	208L	NA	56*91cm	5 个 / 箱
CD0303Z	303L	NA	61*122cm	5 个 / 箱
CD0378Z	378L	NA	71*112cm	5 个 / 箱
CD0568Z	568L	NA	81*124cm	5 个 / 箱
CD0050Z	50L	NA	36*69cm	10 个 / 箱
CD0100Z	100L	NA	48*76cm	5 个 / 箱
CD0200Z	200L	NA	56*91cm	5 个 / 箱

# 3D

## 一次性方形 储液袋

# 3D

## SINGLE-USE STORAGE BAGS

3D ОДНОРАЗОВЫЕ  
СУМКИ ДЛЯ ХРАНЕНИЯ



## 产 品 简 介 OVERVIEW    ОБЗОР ПРОДУКТА

上海偲瑞生物医药有限公司生产的 3D 一次性方形储液袋采用多层共挤膜，保证了无菌储液袋极低的气体透过性、良好的物理强度和广泛的化学兼容性及生物相容性，从而使其安全用于各种生物制药液体的储存和转运。标准的 3D 储液袋有规格 50L 到 3000L，可以独立用于缓冲液、培养基、中间品或原液的储存；也可以连接除菌过滤器配套使用。进出液管路可采用 Luer 接头、CPC 快速接头、Tri-clamp 卫生级接头或无菌连接器。提供多种取样方式，如无针取样器、鲁尔接头等。

The 3D single-use storage bags produced by Shanghai SiRui Bio-pharm adopt multi-layer co-extruded film, which ensures the extremely low gas transmittance, good physical strength and extensive chemical compatibility and biocompatibility, so that it can be safely used for storage and transfer of various biopharmaceutical liquids. Standard 3D Bags are available in sizes from 50L to 3000L, with special sizes to be customized. SiRui 3D bioprocess bags can be used independently for the storage of buffers, media, intermediates or stock solutions; they can also be used in conjunction with a sterilization filter. Luer fittings, CPC quick connectors, tri-clamp sanitary fittings or sterile connectors are available for the inlet and outlet lines. We provide optional sampling methods, such as needleless samplers, Luer connectors, etc.



## 应用 Приложения

- > 生物工艺上游培养基、补料等储存
- > 生物工艺下游纯化缓冲液储存和转运
- > 生物工艺过程中的组分收集
- > 上下游样品收集
- > 多批次产品或料液合并
- > 原液收获、分装、储存和转运
- > 终产品的运输

## APPLICATION

- > Storage of media, feed, etc.
- > Purification buffer storage
- > Collection of components or samples
- > Multi-batch product or liquid-material combination
- > Storage during transport



## 产品特性 Особенности продукта

- > 膜材具有良好的物理强度、化学兼容性及生物相容性
- > 高透明度膜，有利于辅助性工艺判断
- > 可满足生物制药工艺中各类溶液的储存和转运需求
- > 袋体尺寸规格以及管路接头可灵活定制，满足多工艺点的需求
- > 配套多种方形支撑容器，兼容多品牌

## FEATURES

- > Membrane Material with good physical strength, chemical compatibility and biocompatibility
- > High transparency membrane, easy to observe
- > Flexibly customized with various sizes and meet the needs of multiple process points
- > Supporting a variety of tank or containers, compatible with multi-brand

## 产品说明

### ИНФОРМАЦИЯ О ТОВАРЕ

袋体	多层膜结构，液体接触层为 ULDPE
管路	TPE, PVC, C-flex 等，特殊规格管路可定制
接头	快接头、鲁尔取样、过滤器、无菌连接器、管塞等
接口数量	常规顶部进口 1 个，顶部出口 1 个，取样口 1 个
体积	标准体积为 50L-3000L，特殊规格和尺寸可定制
灭菌	辐照灭菌
包装	双层 PE 袋独立包装
使用温度	-80°C +45°C

## BAGS INFORMATION

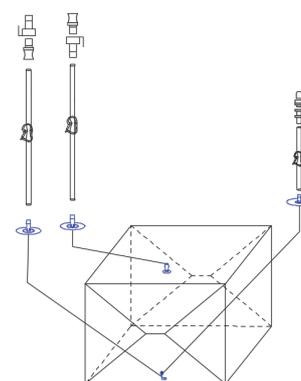
FILM	Multilayer film structure, liquid contact layer is ULDPE
TUBES	TPE, PVC, C-flex, etc., special specifications can be customized
CONNECTOR	Quick couplings, Luer sampling, filters, sterile connectors, Tube plugs, etc
TUBES NUMBER	1 Tube for inlet on the top, 2 Tubes for outlet and sample at the bottom
VOLUME	50L-3000L, with special specifications and sizes customized
STERILIZATION	Irradiation sterilization
PACKAGING	Two polyethylene outer layers
OPERATING TEMPERATURE	-80°C +45°C

## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

上海偲瑞生物医药有限公司生产的 3D 一次性方形储液袋标准规格从 50L 到 3000L，其他规格和尺寸可根据用户的需求接受特殊定制。

货号	3D0050C
容积 (L)	50L
顶部管路	3/8"X5/8" 硅胶管 150cm, MPC 快接头, 管夹
底部管路	3/8"X5/8" 硅胶管 150cm, MPC 快接头, 管夹
取样口	1/4"X3/8" 硅胶管 20cm, 鲁尔取样, 管夹

※注：同类 100 L、200L 的货号为：3D0100C 和 3D0200C。

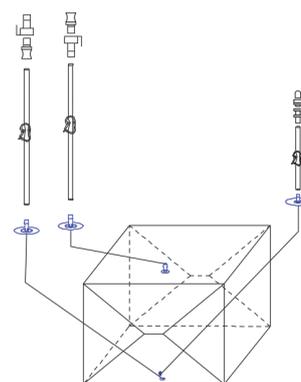


## ORDERING INFORMATION

The 3D Single-use Storage Bags produced by Shanghai SiRui Bio-pharm Co., Ltd. are available in sizes from 50L to 3000L, with special sizes to be customized.

Part No.	3D0050C
Volume	50L
Top Port	3/8" X 5/8" Silicone 150cm, MPC female+sealing cap, pinch clamp
Bottom Port	3/8" X 5/8" Silicone 150cm, MPC male+sealing cap, pinch clamp
Sample Port	1/4" X 3/8" Silicone 20cm, Luer® Lock female + needle free sampling port, dust cap, pinch clamp

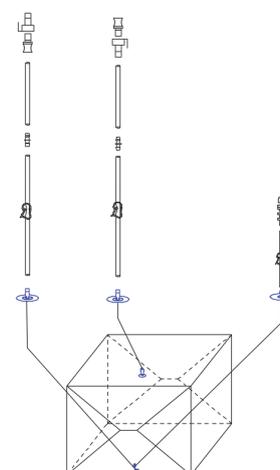
※Note: For 100 L, 200L volume 3D storage bags, Part No. are 3D0100C and 3D0200C.



## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

货号	3D0500C
容积 (L)	500
顶部管路	1/2"X3/4" 硅胶管 100cm+1/2"X3/4" 热塑管 50cm+MPX 快接头, 管夹
底部管路	1/2"X3/4" 硅胶管 100cm+1/2"X3/4" 热塑管 50cm+MPX 快接头, 管夹
取样口	1/4"X3/8" 硅胶管 20cm, 鲁尔取样, 管夹

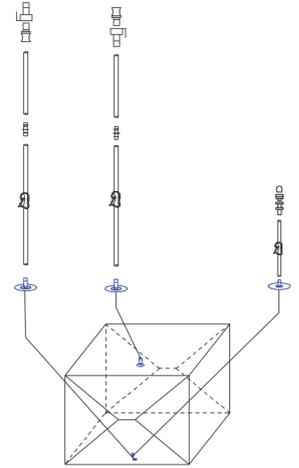
※注：同类 1000 L、2000 L、3000L 的货号为：3D1000C、3D1500C、3D2000C、3D2500C 和 3D3000C。



## ORDERING INFORMATION

<b>Part No.</b>	<b>3D0500C</b>
<b>Volume</b>	500L
<b>Top Port</b>	1/2"X3/4" Silicone 100cm+TPE 50cm+ MPX female + sealing cap, pinch clamp
<b>Bottom Port</b>	1/2"X3/4" Silicone 100cm+TPE 50cm+ MPX male + sealing cap, pinch clamp
<b>Sample Port</b>	1/4" X 3/8" Silicone 20cm, Luer® Lock female + needle free sampling port, dust cap, pinch clamp

※Note: For 1000 L, 2000L and 3000L volume 3D storage bags, Part No. are , 3D1000C, 3D1500C,3D2000C, 3D2500C and 3D2000C and 3D3000C.



## 支撑容器和辅助件

2D AUXILIARY PARTS FOR LIQUID STORAGE BAG

ОПОРНЫЕ КОНТЕЙНЕРЫ И АКССУАРЫ



### 可折叠方形储存箱

<b>材质</b>	聚丙烯 (PP)
<b>规格</b>	50L-1000L (特殊规格可定制)
<b>特征</b>	<input type="checkbox"/> 坚固耐用 <input type="checkbox"/> 折叠式、堆砌式设计, 闲置时节省空间资源 <input type="checkbox"/> 大型规格仍具有舒适高度
<b>应用</b>	3D 输液袋辅助运转与储存

### Foldable square storage box

<b>Material</b>	Polyethylene (PE)
<b>Specifications</b>	50L~1000L (special specifications can be customized)
<b>Feature</b>	<input type="checkbox"/> Strong and sturdy <input type="checkbox"/> Folding and stacking design, saving space and resources when not in use <input type="checkbox"/> Large size still has a comfortable height
<b>Application</b>	3D storage bag auxiliary operation and storage



### 不锈钢方形储存箱

材质	304 不锈钢 (SS304)
规格	50L-3000L (特殊规格可定制)
特征	<input type="checkbox"/> 坚固耐用 <input type="checkbox"/> 拆卸式、堆砌式设计、适配不同容积
应用	3D 储液袋辅助运转与储存

### Stainless steel square storage box

Material	304 stainless steel (SS304)
Specifications	50L~500L (Special specifications can be customized)
Feature	<input type="checkbox"/> Strong and sturdy <input type="checkbox"/> Detachable and stacked design, suitable for different solvents
Application	3D storage bag auxiliary operation and storage



### 配套不锈钢推车

材质	304 不锈钢 (SS304)
	轮面: PU
规格	参照储存箱尺寸制作
应用	与储存箱搭配用于 3D 储液袋运转

### Supporting stainless steel cart

Material	Main body: 304 stainless steel (SS304)
Specifications	Wheel surface: PU
Feature	to make according to the storage box size
Application	Used with storage box for 3D storage bag operation

# 3D

## 一次性方形配液袋

# 3D

## SINGLE-USE MIXING BAGS

3D ОДНОРАЗОВЫЕ СУМКИ ДЛЯ СМЕСЕНИЯ



## 产 品 简 介 O V E R V I E W      ОБЗОР ПРОДУКТА

上海僊瑞生物医药有限公司生产的3D一次性方形配液袋采用多层共挤膜,保证了无菌配液袋极低的气体透过性、良好的物理强度和广泛的化学兼容性及生物相容性,从而使其安全用于各种生物制药液体的存储和转运。标准的3D方形配液袋有规格50L到3000L,与僊瑞的一次性磁力搅拌系统配套使用,可以独立用于缓冲液、培养基、工艺液体、中间品或原液等大体积液体的高效混匀;可以连接除菌过滤器等配套使用。进出液管路可采用Luer接头、CPC快速接头、Tri-clamp卫生级接头或无菌连接器。提供多种取样方式,如无针取样器、鲁尔接头等。

The same as 3D storage bags, 3D single-use mixing bags produced by Shanghai SiRui Bio-pharm adopt multi-layer co-extruded film, which ensures the extremely low gas transmittance, good physical strength and extensive chemical compatibility and biocompatibility, so that it can be safely used for storage and transfer of various biopharmaceutical liquids. Available in sizes from 50L to 3000L, mixing bags have a stirring paddle. They can be used in efficient mixing of buffers, media, intermediate or stock solutions; they can also be used in conjunction with a sterilization filter. Luer fittings, CPC quick connectors, tri-clamp sanitary fittings or sterile connectors are available for the inlet and outlet lines. We provide optional sampling methods, such as needleless samplers, Luer connectors, etc.



## 应用 Приложения

- > 生物工艺上游培养基、补料固-液混匀
- > 生物工艺过程缓冲液配制和混匀
- > 亲水 / 疏水颗粒或粉末的溶解混匀
- > 大批量中间产物的悬浮混匀
- > 大体积终端液体稀释或浓缩配制

## APPLICATION

- > Upstream culture medium, feed solid-liquid mixing
- > Buffer preparation and mixing for bioprocessing
- > Dissolution and mixing of hydrophilic/hydrophobic particles or powders
- > Suspension and mixing of bulk intermediates
- > Large volume terminal liquid dilution or concentration preparation



## 产品特性 ОСОБЕННОСТИ ПРОДУКТА

- > 膜材具有良好的物理强度、化学兼容性 & 生物相容性
- > 高透明度膜，有利于辅助性工艺判断
- > 可满足生物工艺固液或液液混匀配制
- > 支持特殊尺寸或连接件的定制，兼容多品牌

## FEATURES

- > Membrane Material with good physical strength, chemical compatibility and biocompatibility
- > High transparency membrane, easy to observe
- > Suitable for bioprocess solid-liquid or liquid-liquid mixing
- > Supporting customization of special sizes or connectors, compatible with multiple brands



## 产品说明

ИНФОРМАЦИЯ О ТОВАРЕ

袋体	多层膜结构，液体接触层为 ULDPE
管路	TPE, PVC, C-flex 等，特殊规格管路可定制
接头	快接头、鲁尔取样、过滤器、无菌连接器、管塞等
接口数量	常规袋体有投料口、顶部进液管路、底部排液管路以及取样口各 1 个
体积	标准体积为 50L-3000L，特殊规格和尺寸可定制
灭菌	辐照灭菌
包装	双层 PE 袋独立包装
使用温度	-80°C +45°C

## BAGS INFORMATION

FILM	Multilayer film structure, liquid contact layer is ULDPE
TUBES	TPE, PVC, C-flex, etc., special specifications can be customized
CONNECTOR	Quick couplings, Luer sampling, filters, sterile connectors, Tube plugs, etc
TUBES NUMBER	Regular includes a Feeding port, 1 Tube for inlet , 2 Tubes for outlet and sample
VOLUME	50L-3000L, with special specifications and sizes customized
STERILIZATION	Irradiation sterilization
PACKAGING	Two polyethylene outer layers
OPERATING TEMPERATURE	-80°C +45°C

## 订购信息

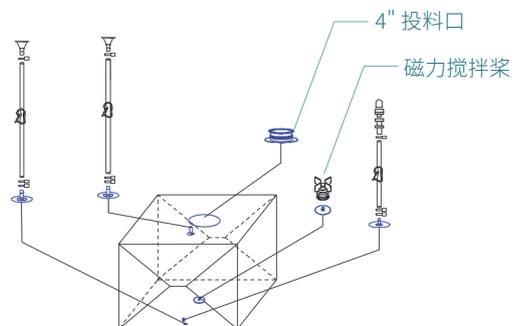
ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

上海偲瑞生物医药有限公司生产的 3D 一次性方形配液袋标准规格从 50L 到 3000L，适配偲瑞生物的一次性磁力配液系统。其他规格和尺寸可根据用户的需求接受特殊定制。

货号	PD0050C
容积 (L)	50
顶部管路	3/8"X5/8" 硅胶管 150cm, TC 洁净接头, 管夹
底部管路	3/8"X5/8" 硅胶管 150cm, TC 洁净接头, 管夹
取样口	1/4"X3/8" 硅胶管 20cm, 鲁尔取样, 管夹

※注：同类 100L、200L 的货号为：PD0100C 和 PD0200C。

如需订购带温度、pH 或电导率电极的配液袋，请联系技术或销售咨询定制。

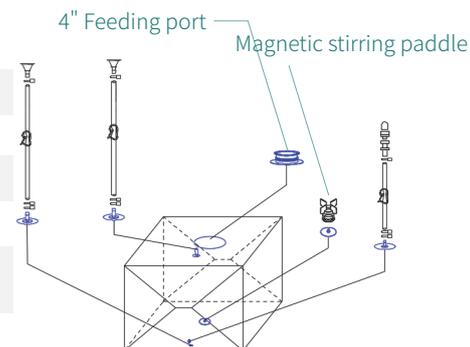


## ORDERING INFORMATION

The 3D Single-use Mixing Bags produced by Shanghai SiRui Bio-pharm Co., Ltd. are available in sizes from 50L to 3000L, with special sizes to be customized.

<b>Part No.</b>	<b>PD0050C</b>
<b>Volume</b>	50L
<b>Top Port</b>	3/8" X 5/8" Silicone 150cm, TC Sanitary fitting, pinch clamp
<b>Bottom Port</b>	3/8" X 5/8" Silicone 150cm, TC Sanitary fitting, pinch clamp
<b>Sample Port</b>	1/4" X 3/8" Silicone 20cm, Luer® Lock female + needle free sampling port, dust cap, pinch clamp

※Note: For 100 L, 200L volume 3D Mixing bags, Part No. are PD0100C and PD0200C.



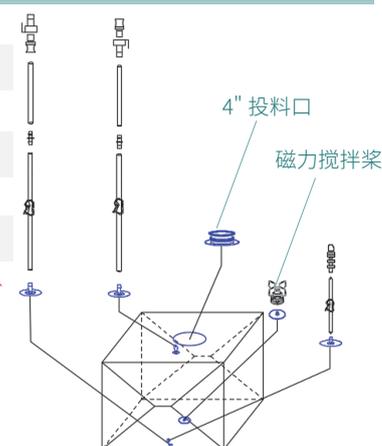
To order Mixing bags with temperature, pH or conductivity electrodes, please contact the technician or sales for customization.

## 订购信息 ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

<b>货号</b>	<b>PD0500C</b>
<b>容积 (L)</b>	500
<b>顶部管路</b>	1/2"X3/4" 硅胶管 100cm+1/2"X3/4" 热塑管 50cm+MPX 快接头, 管夹
<b>底部管路</b>	1/2"X3/4" 硅胶管 100cm+1/2"X3/4" 热塑管 50cm+MPX 快接头, 管夹
<b>取样口</b>	1/4"X3/8" 硅胶管 20cm, 鲁尔取样, 管夹

※注: 同类 1000L、1500 L、2000L、2500L 和 3000L 的货号为: PD1000C、PD1500C、PD2000C、PD2500C 和 PD3000C。

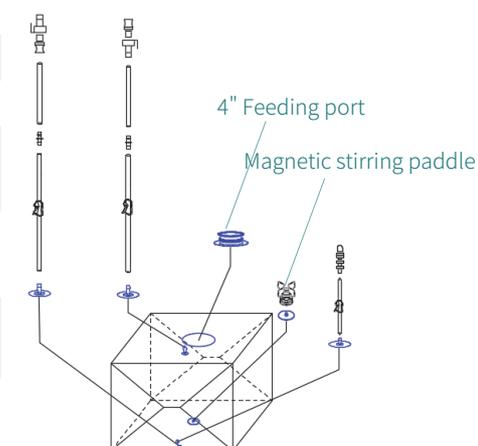
如需订购带温度、pH 或电导率电极的配液袋, 请联系技术或销售咨询定制。



## ORDERING INFORMATION

<b>Part No.</b>	<b>PD0500C</b>
<b>Volume (L)</b>	500L
<b>Top Port</b>	1/2"X3/4" Silicone 100cm+TPE 50cm+ MPX female + sealing cap, pinch clamp
<b>Bottom Port</b>	1/2"X3/4" Silicone 100cm+TPE 50cm+ MPX male + sealing cap, pinch clamp
<b>Sample Port</b>	1/4" X 3/8" Silicone 20cm, Luer® Lock female + needle free sampling port, dust cap, pinch clamp

※Note: For 1000 L, 2000L and 3000L volume 3D Mixing bags, Part No. are PD1000C, PD2000C and PD3000C.



To order Mixing bags with temperature, pH or conductivity electrodes, please contact the technician or sales for customization.

# 一次性磁力 配液系统

## SINGLE-USE MAGNETIC MIXING SYSTEM

ОДНОРАЗОВАЯ МАГНИТНАЯ  
СМЕШИВАЮЩАЯ СИСТЕМА



## 产 品 简 介 O V E R V I E W      ОБЗОР ПРОДУКТА

上海偲瑞生物医药有限公司的一次性配液系统为底部磁力驱动，与公司生产的 3D 一次性方形配液袋配套使用从而实现各种生物制药工艺过程的固液或液液配制混匀。一次性配液系统可更高效且方便的完成培养基、补料、添加物、缓冲液、中间体、半成品或原液等配制和混匀制备。相比传统的不锈钢配液系统，可大大节省 SIP 或 CIP 的人力物力费用和时间，节省设备清洁验证的成本，最终达到高效完成工艺环节，提高产线或设备的周转效率。

偲瑞生物一次性配液系统主要由预装配内置搅拌桨的一次性 3D 袋及外部支撑容器组成，可选配温度控制单元（TCU）模块，在线称重以及 pH、电导率或 Do 在线监控模块、同时支持数据打印。配液体积从 50L 到 3000L，支持 3D 袋的不同接头和尺寸的特殊定制，覆盖生物工艺上下游以及制剂等工艺全过程配液需求，可轻松实现稳定的放大混匀效果。



The Single-use Magnetic Mixing System of Shanghai Sirui Bio-Pharm Co., Ltd. is driven by bottom magnetic force device and used to achieve powder-liquid or liquid-liquid preparation and mixing of various bio-pharmaceutical processes with matching 3D single-use mixing bags. Sirui Bio-Pharm's single-use mixing system can more efficiently and conveniently complete the preparation and mixing of media, feeding, additives, buffers, intermediates or concentrate. Compared with the traditional stainless steel mixing system, it can greatly save the manpower and material costs and time of SIP or CIP, save the cost of equipment cleaning and verification, and finally achieve efficient completion of the bio-process, and improve the turnover efficiency of the production line or equipment.

Sirui Bio-Pharm's single-use mixing system is mainly composed of a pre-assembled 3D single-use mixing bag with a built-in stirring paddle, an external support container, and mixing system controller with optional temperature control unit (TCU) module. Our mixing system can be configured with online weighing module and pH, conductivity or DO online monitoring modules, and data printing module. The standard mixing system volume is from 50L to 3000L, and offer special size and modules customization services, to cover preparation and mixing requirements of upstream and downstream bio-process, which can easily achieve stable amplified mixing effect.

## 应用 Приложения

- > 缓冲液制备
- > 培养基配制
- > 中间产品混匀处理
- > 半成品配制

## APPLICATION

- > Buffer preparation
- > Media preparation
- > Intermediate products mixing
- > Preparation or concentrate of semi-products

## 产品特性 Особенности продукта

- > 触屏操作界面，完善的数据完整性
- > 磁力耦合式搅拌，实现无接触式搅拌
- > 可进行中控连接，实现中控集成
- > 一次性 3D 配液袋预灭菌，免清洗
- > 可定制化，选择性搭配所需功能

## FEATURES

- > Touch-screen operation interface, with perfect data integrity
- > Magnetically coupled stirring to achieve contactless stirring
- > Central control connection can be carried out to achieve central control integration
- > Pre-sterilized 3D single-use mixing bag, without SIP or SIP process
- > customizable, with selective modules to configure

## 产品说明

ИНФОРМАЦИЯ О ТОВАРЕ

搅拌方式	采用磁力耦合形式搅拌
表面粗糙	<0.8μm
操作温度	10~35°C
防护等级	IP65
使用环境	20~40°C
电机功率	120W
电源	220v 50Hz
最大转速	300RPM
最大湿度	85%
材质	304 不锈钢

## 订购信息

ИНФОРМАЦИЯ ДЛЯ ЗАКАЗА

上海僊瑞生物医药有限公司生产的一次性磁力配液系统标准规格从 50L 到 3000L，与僊瑞生物的 3D 一次性方形配液袋搭配使用。其按照功能模块的不同分为基础款和满配款，实际功能模块可根据用户的需求特殊定制。

## ORDERING INFORMATION

The Single-use Magnetic Mixing System produced by Shanghai SiRui Bio-pharm Co., Ltd. ranges from 50L to 3000L, which are used in conjunction with the 3D Single-use Mixing Bags of SiRui. It is divided into basic and full models according to the different functional modules, and the actual functional modules can be specially customized according to the needs of users.

### 基础款一次性磁力配液系统

容积 (L)	货号	长 (mm)	宽 (mm)	高 (mm)	配置描述
50	SR-CLJB-0050S	400	400	370	
100	SR-CLJB-0100S	500	500	450	磁力搅拌电机
200	SR-CLJB-0200S	635	635	635	自控系统 (软件系统、硬件
500	SR-CLJB-0500S	835	835	835	电器元件)
1000	SR-CLJB-1000S	1035	1035	1035	操作系统
1500	SR-CLJB-1500S	1275	1275	1005	支撑罐体 (非夹套)
2000	SR-CLJB-2000S	2085	1120	1000	移动脚轮
2500	SR-CLJB-2500S	2160	1220	1020	
3000	SR-CLJB-3000S	2160	1220	1300	

更多型号及配置需求，请联系技术或销售咨询定制。

## Basic Single-use Magnetic Mixing System

Volume(L)	Part No.	Length(mm)	Width(mm)	Height(mm)	Configuration Description
50	SR-CLJB-0050S	400	400	370	Magnetic stirring Module; Automatic control system (mixing software system, hardware electrical components); Operating system; Support tank (non-jacketed); Castors
100	SR-CLJB-0100S	500	500	450	
200	SR-CLJB-0200S	635	635	635	
500	SR-CLJB-0500S	835	835	835	
1000	SR-CLJB-1000S	1035	1035	1035	
1500	SR-CLJB-1500S	1275	1275	1005	
2000	SR-CLJB-2000S	2085	1120	1000	
2500	SR-CLJB-2500S	2160	1220	1020	
3000	SR-CLJB-3000S	2160	1220	1300	

For more configuration requirements, please contact the technical or sales.

## 满配款一次性磁力配液系统

容积 (L)	货号	长 (mm)	宽 (mm)	高 (mm)	配置描述
50	SR-CLJB-0050F	400	400	370	磁力搅拌电机 自控系统 (软件系统、硬件电器元件) 操作系统 支撑罐体 (夹套) 移动脚轮 称重模块 在线监控 pH、DO 和电导率 打印模块
100	SR-CLJB-0100F	500	500	450	
200	SR-CLJB-0200F	635	635	635	
500	SR-CLJB-0500F	835	835	835	
1000	SR-CLJB-1000F	1035	1035	1035	
1500	SR-CLJB-1500F	1275	1275	1005	
2000	SR-CLJB-2000F	2085	1120	1000	
2500	SR-CLJB-2500F	2160	1220	1020	
3000	SR-CLJB-3000F	2160	1220	1300	

更多型号及配置需求，请联系技术或销售咨询定制。

## Fully equipped Single-use Magnetic Mixing System

Volume(L)	Part No.	Length(mm)	Width(mm)	Height(mm)	Configuration Description
50	SR-CLJB-0050F	400	400	370	Magnetic stirring Module; Automatic control system (mixing software system, hardware electrical components); Operating system; Support tank (Jacketed); Castors; pH, DO and conductivity monitoring modules; Print module
100	SR-CLJB-0100F	500	500	450	
200	SR-CLJB-0200F	635	635	635	
500	SR-CLJB-0500F	835	835	835	
1000	SR-CLJB-1000F	1035	1035	1035	
1500	SR-CLJB-1500F	1275	1275	1005	
2000	SR-CLJB-2000F	2085	1120	1000	
2500	SR-CLJB-2500F	2160	1220	1020	
3000	SR-CLJB-3000F	2160	1220	1300	

For more configuration requirements, please contact the technical or sales.

# 无菌接管机

## TUBE-WELDER I

ТРУБОСВАРОЧНЫЙ МАШИН

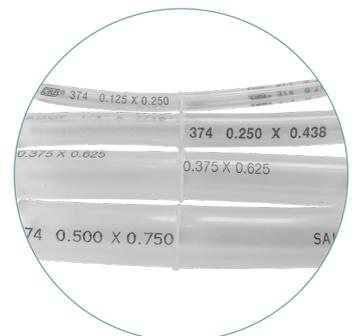


## 产品简介 OVERVIEW

ОБЗОР ПРОДУКТА

Tube-Welder I 是一种全自动装置，用于无菌焊接热塑管。  
The Tube-Welder I is a fully automated device for connecting thermoplastic tubing in a sterile welding operation.

该全自动装置可无菌连接外径 1/4 至 3/4 英寸的热塑管。  
The fully automated device allows sterile connection of tubing with outer diameter from 1/4" to 3/4".





## 设备特点 ОСОБЕННОСТИ

操作简单，在上盖开启状态下也能进行复位操作，一键复位，一键焊接。预设程序可用于 C-Flex®, AdvantaPure AdvantaFlex®, Pharmed® 和 Sanipure® 热塑管的连接。热焊接可保证焊缝具有很高的强度。在非无菌环境，亦可实现无菌连接。设计紧凑，移动方便。验证简单，可提供验证文件。一台机器可焊接多种不同的管径热塑管。

## FEATURES OF TUBE-WELDER

Easy to use. Reset operation can be executed even the upper cover is open. With one key reset and one key welding. Preinstalled settings for C-Flex®, AdvantaPure AdvantaFlex®, Pharmed® and Sanipure® tubing. True thermal weld provides exceptional strength. Aseptic connection without a laminar flow hood. Compact design, portable. Easy to validate, with validation equipment. One machine can handle tubes with different diameters.

## 技术参数 ТЕХНИЧЕСКИЙ ПАРАМЕТР

适用软管尺寸 (内径 X 外径)	1/8 "X1/4" ; 1/4 "X7/16" ; 3/8 "X5/8" ; 1/2 "X3/4" (标配 4 套, 支持定制, 最多支持 12 套)
软管类型	适用于 C-FLEX、PharMed BPT、Advantaflex 等 TPE 软管
焊接循环时间	1~2min (受软管规格、品牌等影响)
尺寸 (L*W*H)	260mmX248mmX248mm
重量	9kg
材质	航空铝, 阳极氧化
焊接定位精度	5um
刀片尺寸	83mmX25mmX0.4mm
使用环境	室温, 相对湿度 35%~65%
冷却方式	风冷
电源	100~240V AC, 47~63Hz
额定功率	288W

## Technical Specification

Tubing size	(ID X OD) 1/8" x 1/4"; 1/4" x 7/16"; 3/8" x 5/8"; 1/2" x 3/4" ect.
Tubing types	C-FLEX、PharMed BPT、Advantaflex ect. TPE Tubing
Welding cycle times	1-2 min (Depending on the tubing size and brand)
Dimensions (L*W*H)	260mm*248mm*248mm
Weight	9 kg
Material	Anodized aluminum
Positioning accuracy of three-axis motion	5 μm
Dimensions of blades	83mm*25mm*0.4mm
Use environment	Room temperature, 35-65% RH
Cooling mode	Forced air cooling
Power requirements	100-240V, 47-63 Hz
Rated power	288 W

# 无菌封管机

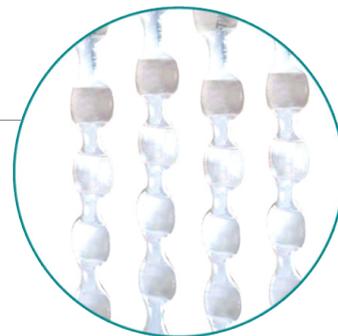
## TUBE-SEALER

ТРУБА запайки машина



### 产品简介 OVERVIEW ОБЗОР ПРОДУКТА

Tube-Sealer 是一种全自动装置，用于永久性、无泄漏密封热塑管。  
Tube-Sealer is a fully automated device, designed to produce permanent and consistent leak free seals on thermoplastic tubing.



## 技术参数 ТЕХНИЧЕСКИЙ ПАРАМЕТР

软管尺寸	外径 1/4: “~1.0” 壁厚 1/16 “~1/8 (1.6~3.2mm)
软管类型	适用于 C-FLEX、PharMed BPT、Advantaflex 等 TPE 软管
热封时间	1.5~5.0min
尺寸 (L*W*H)	210mm*165mm*135mm
重量	约 3kg
主要材质与表面处理	航空铝, 表面氧化处理, 可使用 75% 酒精消毒
使用环境	环境温度 15°C ~35°C, 湿度 35~65%
冷却方式	风冷
温度传感器	铂温度传感器
程序选择方式	通过触控按钮选择封管程序
管路压力范围	封管过程中管内压力范围 -1~+0.5bar。封管结束后 (冷室温) 管路承压范围 (不超过管路制造商的管、路设计承压范围) -1~+0.5ba
电源	100-240V AC, 47~63Hz
额定功率	75W



## TECHNICAL SPECIFICATION

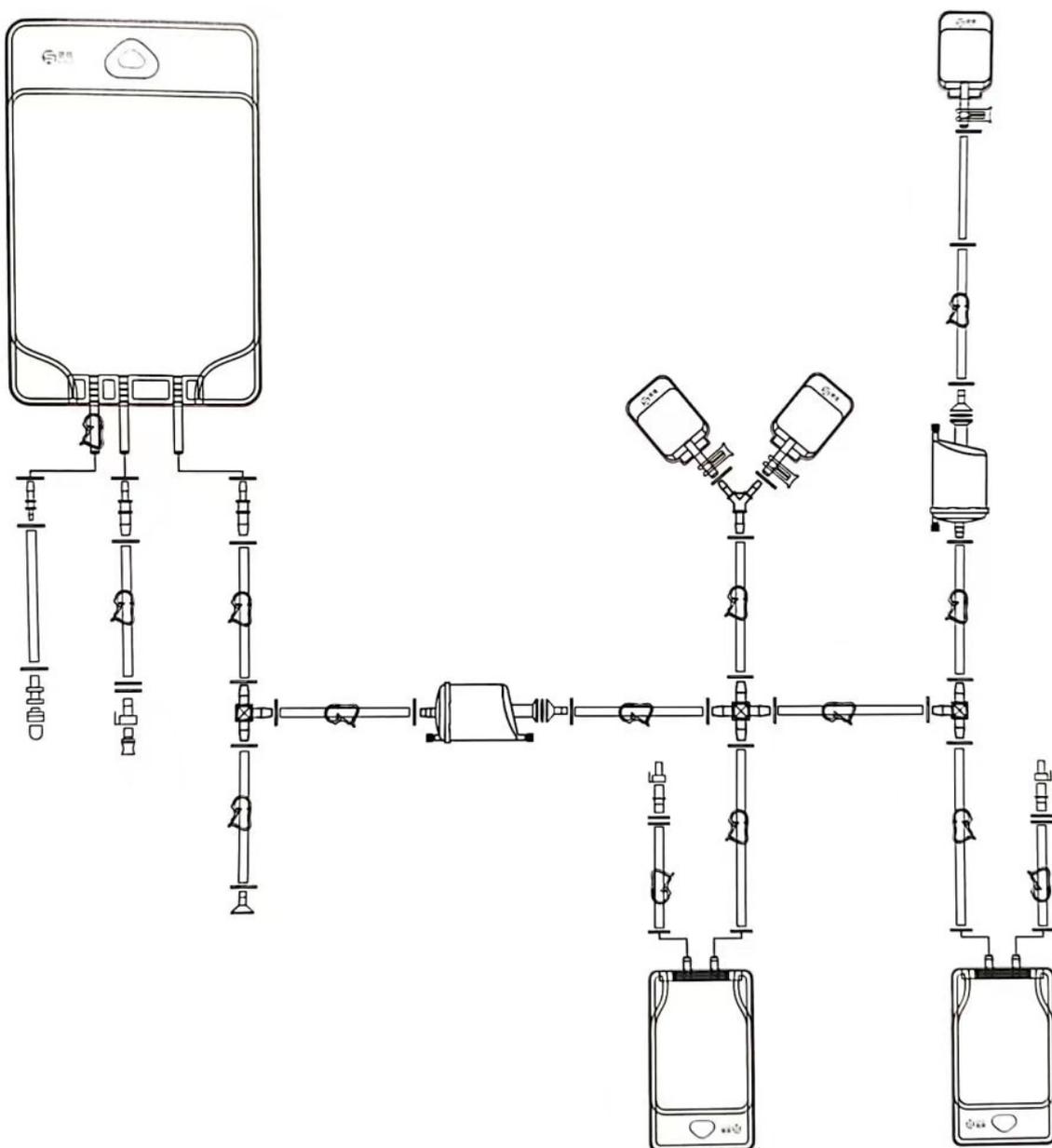
Tube size	Type I can handle tubing with max OD of 7/8", type II can handle tubing with max OD of 1.0") Wall thickness 1/16"-1/8" (1.6-3.2 mm)
Tube types	C-FLEX、PharMed BPT、Advantaflex TPE
Sealing cycle time	Depending on the tubing size and brand, sealing cycle of Tube sealer I is less than 4 min and sealing cycle of Tube sealer II is less than 5 min)
Dimensions (L*W*H)	210mm*165mm*135mm
Weight	About 3kg
Material and Surface Treatment	Aviation aluminum, anodized, it can be sterilized with 75% alcohol.
Use environment	Environment temperature: 15~35°C, Relative humidity 35-65%
Cooling mode	Forced air cooling
Temperature sensor	Pt temperature sensor
Program select mode	Select the sealing program by press the push button
Permissible pressure range	
liquid in tube	During sealing process: -1~+0.5 bar., After sealing process: -1~+1.0 bar, but not higher than specification of tube manufacturer. Tube has to be cooled off to room temperature.
Power requirements	100-240V AC, 47-63 Hz
Rated power	75W

# 组装服务

Услуги по сборке трубопроводов  
ASSEMBLY SERVICE

为满足客户不同的使用需求，我们推出了便利的定制化组装连接服务。常用的配件包括各种软管、接头、无菌连接器、过滤器，储液袋等。

In practice, standard products may not be able to meet different usage requirements, so we have launched a convenient customized assembly and connection service. Commonly used accessories include various hoses, joints, sterile connectors, filters, liquid storage bags, etc.

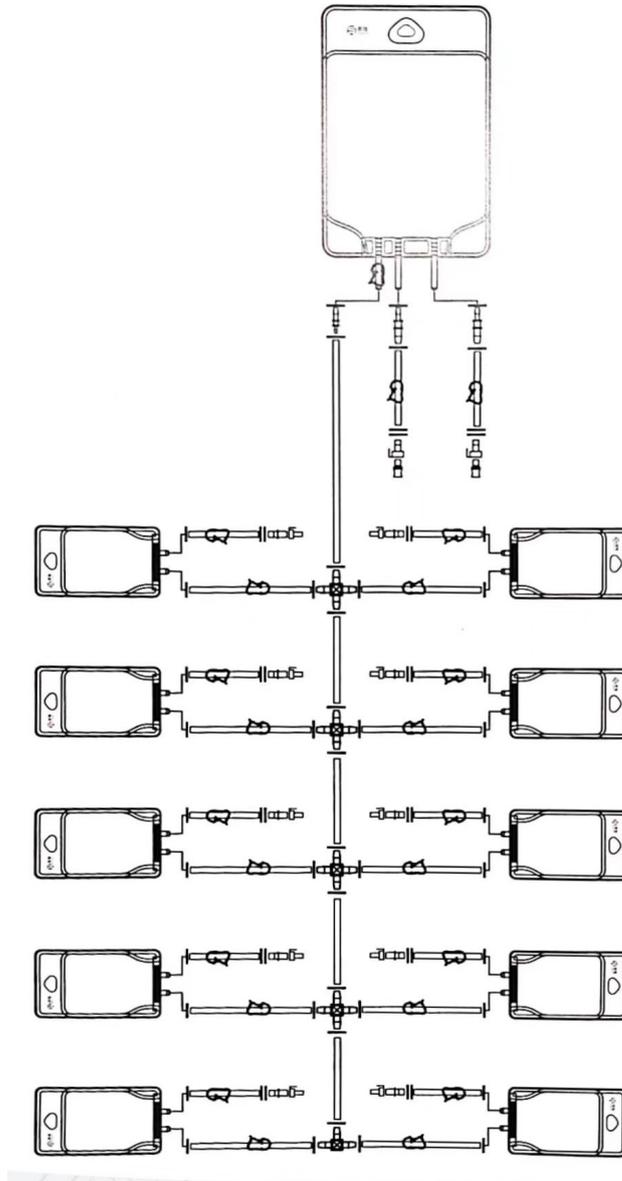


# 多连袋组装

Сборка нескольких мешков  
MULTI BAG ASSEMBLY

每一根单独的管道均可配备无菌连接器、无菌断开器；管路可在预先辐照灭菌后，迅速投入使用。

Each individual pipeline can be equipped with a sterile connector, and a sterile dis-connector; the pipeline can be quickly put into use after pre-irradiation and sterilization.



更多信息请访问  
[www.sr-biopharm.com](http://www.sr-biopharm.com)

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