



公司简介 / Company Profile

北京澳维仪器有限公司是一家致力于分析仪器及样品前处理设备研发、生产制造的高科技企业，生产工厂坐落于燕郊百世金谷国际产业基地，具备完善的生产和检测条件，生产和管理过程严格执行ISO9001质量管理体系。企业主要产品涵盖真空溶媒回收仪、石墨消解仪、实验室冷却循环机、低露点空气源、氮气发生器、自动滴定仪等科学仪器设备，企业凭借可靠的产品质量和优质的服务，产品遍及全球市场。

Beijing Auwii instrument Co. Ltd. is a high-tech enterprise specializing in R&D, production of analytical instrument and sample processing equipment. Our production base is located in Yanjiao Blessgo International Industrial Park, which equipped perfect production and testing conditions, and strictly implemented with ISO9001 system. Our main products include Solvent Recovery Unit, Smart Graphite Digestion System, Laboratory chillers, Low Dew point Air Generator, Nitrogen Generator, Automatic Titration and other scientific instruments. Relying on reliable product and excellent service, Auwii products have been widely used in global market.

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* 技术参数若有更改，恕不另行通知；本资料仅供参考，不作为交货时具有约束性的条件

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溶媒回收仪 Solvent Recovery Unit



北京澳维仪器有限公司
Beijing Auwii Instrument Co. Ltd.

Solvent Recovery Unit



“绿色环保” “干净整洁” “防腐耐用” “简单方便”

"Green & Environmental" "Clean & Tidy" "Anti-corrosion & Durable" "Easily & Facility"

Product Introduction

产品简介

溶媒回收仪是一款用于有机溶剂蒸汽冷凝收集的创新性产品。主要与实验室平行蒸发/浓缩仪、旋转蒸发仪、真空干燥箱、真空离心浓缩仪、真空抽滤、固相萃取等样品前处理设备联用，将溶媒蒸汽进行冷凝回收，也可以与真空泵联用，净化真空泵排出的废气，减少有机废气对环境的污染，呵护实验人员的健康。

Solvent Recovery Unit is an innovative product which used for steam condensation collection of organic solvents. It can be working combined with Sample pretreatment equipment such as Laboratory Parallel Evaporator/Concentration Meter, Rotary Evaporator, Vacuum Drying Oven, Vacuum Centrifugal Concentrator, Vacuum Suction Filter, Solid Phase Extractor, condense and recover the solvent steam ,meanwhile it can also used for purifying the exhaust gases from vacuum pump, to reduce the environmental pollution and take care of experimenter.



Main Characteristics

产品特点



绿色环保

内置三级冷凝器，溶媒蒸汽几乎全部被冷凝回收，乙醇回收率优于99%，二氯甲烷回收率优于98%，相比较传统冷却循环水机、冷阱，具有更高的溶媒回收效率，更绿色环保。

Green & Environmental

With the built-in three-stages condenser, the recovery rate of ethanol can achieve better than 99%, and the recovery rate of dichloromethane will be better than 98%. It's Higher efficiency and more environmentally friendly compared with traditional cooling water circulation machine or cold trap.



干净整洁

溶媒回收仪不需要添加冷却循环液、不需要外接玻璃冷凝器，使用者不再担心玻璃器件易碎问题，也避免了复杂管路的连接，更有利于实验室的干净整洁。

Clean & Tidy

Cooling circulation fluid and external glass condenser are non requirements for Solvent Recovery Unit, so users no need to worry about glass broken, also avoids the complex pipeline connection, it is much more easier to clean and tidy the lab.



防腐耐用

溶媒回收仪与气体、液体接触的材质由PEEK、PTFE、高硼硅玻璃组成，能够耐受盐酸及强腐蚀性溶剂，防腐耐用。

Anti-corrosion & Durable

The material connecting gas or liquid is made of PEEK, PTFE and borosilicate glass. It is resistant to hydrochloric acid and strong corrosive solvents, anti-corrosive and durable.



简单方便

溶媒回收仪设有进气口及排气口，与设备简单连接，开机即可使用。外置3L螺口溶剂回收瓶，方便大体积溶剂蒸发工作。5英寸彩色液晶触摸屏实时显示工作状态，使用者可随时观察设备的冷凝能力。

Easily & Facility

Solvent Recovery Unit is easily connected and simply operated. External 3L spiral-mouth solvent recovery bottle, convenient for large volume solvent evaporation. Working status can be observed on 5-inch color LCD touch screen displays.

Product Principle ·

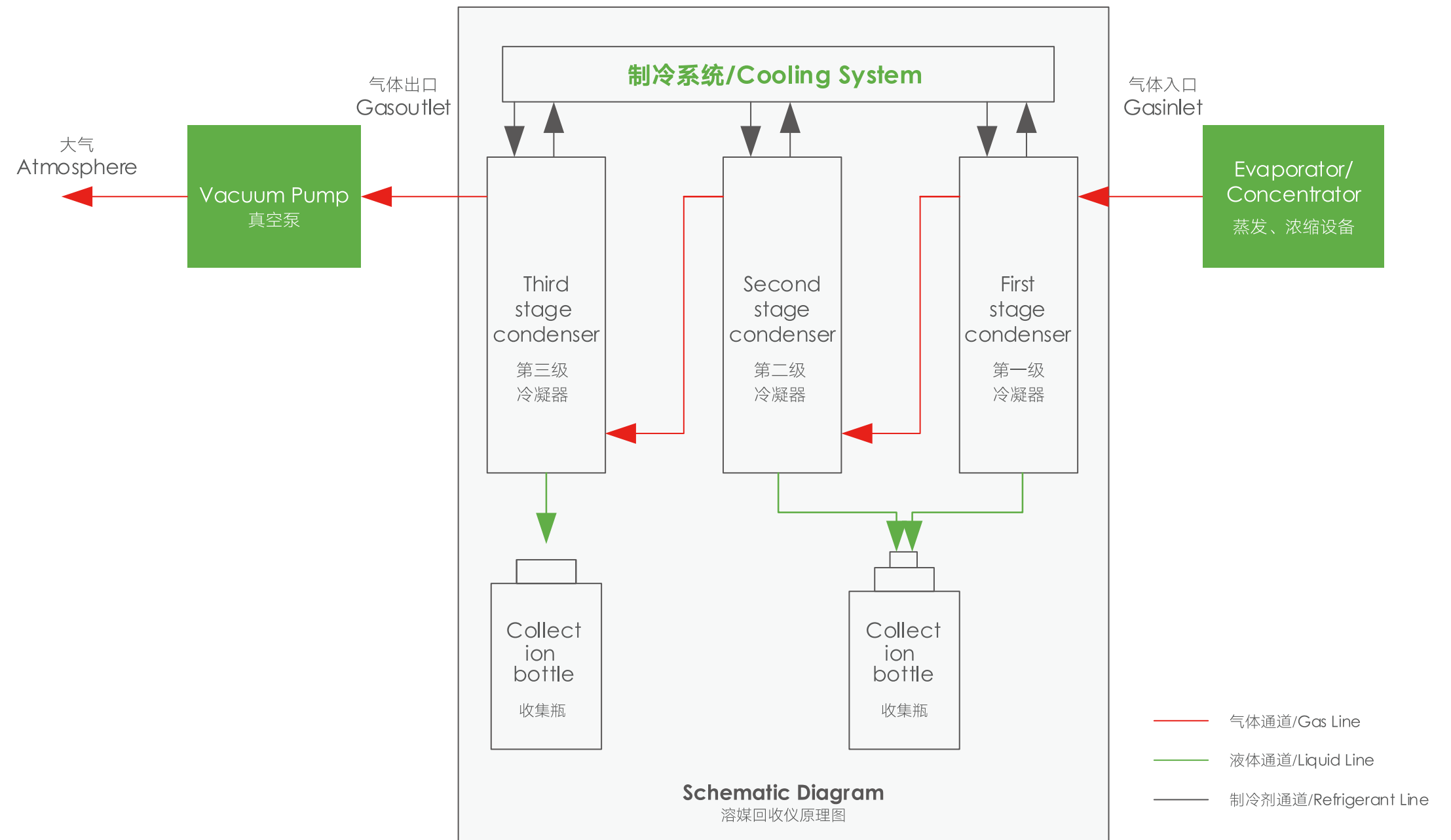
产品原理

溶媒回收仪连接在蒸发浓缩设备与真空泵之间，设备内部的制冷系统通过冷媒向冷凝器提供低温环境，有机溶媒蒸汽进入冷凝器后被冷凝液化，由外置的收集瓶对液体进行收集。

溶媒回收仪也可以接在真空泵的排气口，对真空泵排出的有机溶剂废气进行冷凝净化。

Solvent Recovery Unit is connected between the concentration evaporator and the vacuum pump. The low-temperature environment is provided by refrigerant which inside the refrigeration system. The organic solvent steam entering the condenser is condensed and liquefied.

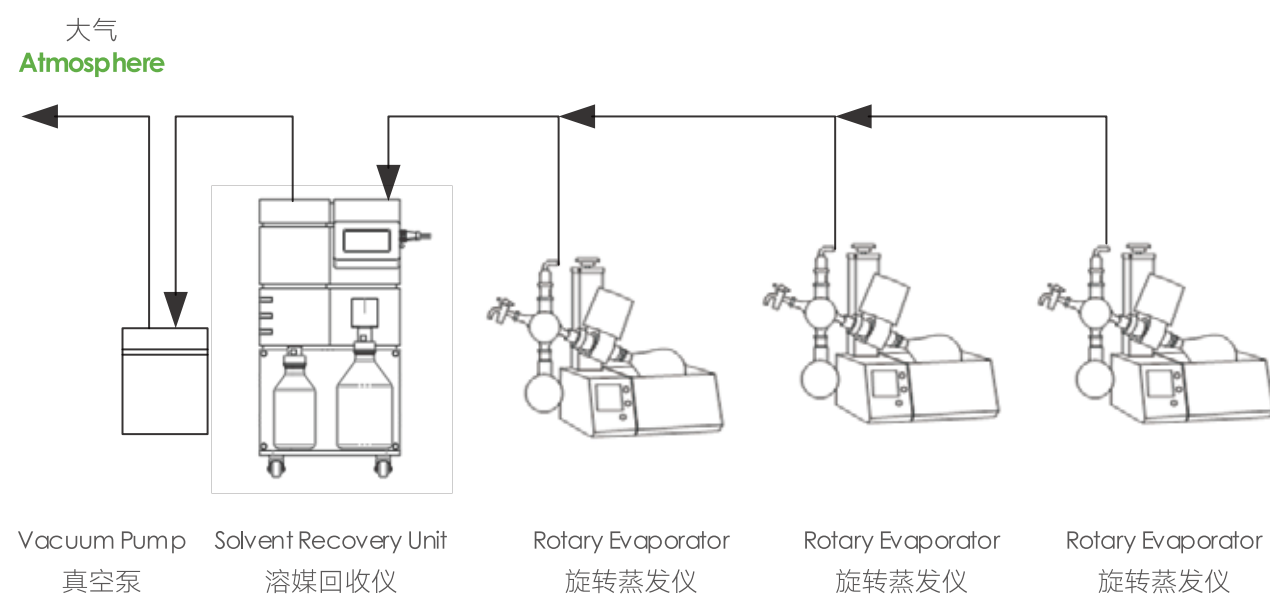
Solvent Recovery Unit can also be connected to the outlet of the vacuum pump for condensing and purifying the exhaust gas of the organic solvent discharged by the vacuum pump.



Typical Applications

产品典型应用

◇ 与旋转蒸发仪联用 / Combined with Rotary evaporators



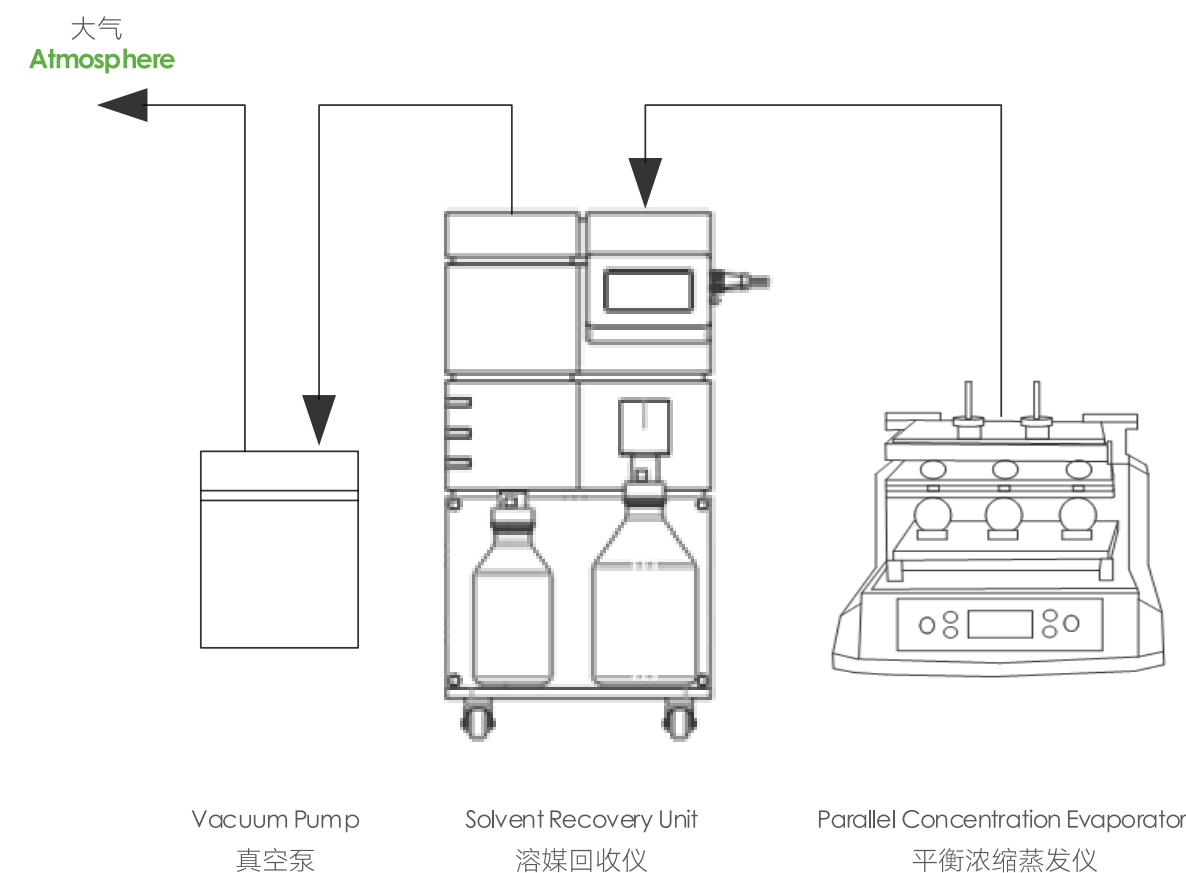
溶剂回收仪与旋转蒸发仪联用，不需要添加冷却循环液，也不需要外接玻璃冷凝器，使用者不再担心玻璃器件易碎问题，也避免了复杂管路的连接，更有利于实验室的干净整洁。

溶剂回收仪具有强大的冷凝能力，每次工作可以回收3L有机溶剂，使用者可以根据需要进行多台联用，节约实验室空间，提高工作效率。

Solvent recovery unit combined with the rotary evaporator, cooling circulation fluid and external glass condenser are non requirements, so users no need to worry about glass broken, also avoids the complex pipeline connection, it is much more easier to clean and tidy the lab.

The strong condensing capacity of Solvent recovery unit support that recovery 3L organic solvent every time. It can multiple combined working according to users needs, space saving and improving work efficiency.

◇ 与平行浓缩蒸发仪联用 / Combined with Parallel Concentration Evaporator



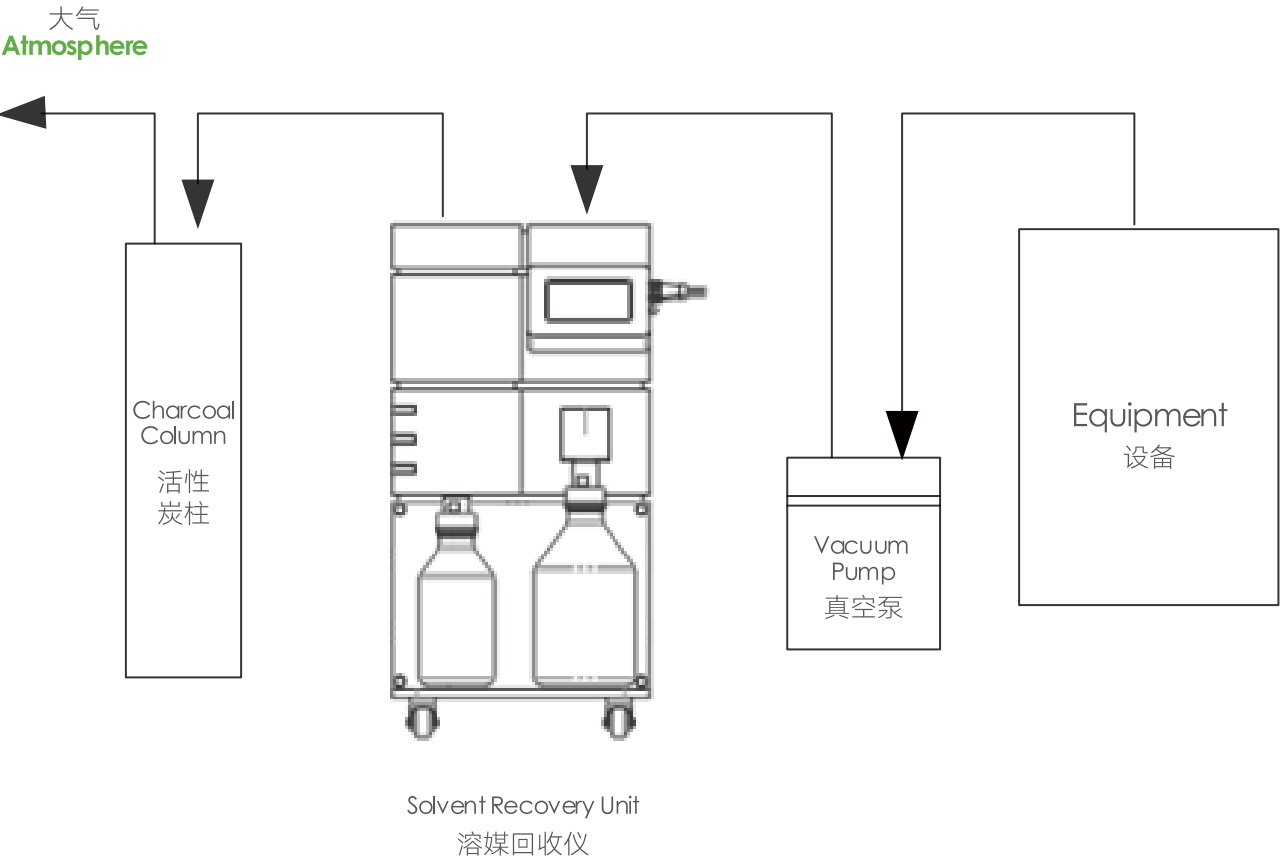
溶剂回收仪与平行浓缩蒸发仪联用，不需要添加冷却循环液，也不需要外接玻璃冷凝器，可以满足3000mL大体积溶剂蒸发冷凝回收需求，溶剂回收仪进气接口高度为25cm，低于平行浓缩蒸发仪输出接口，保证连接管路中的冷凝液全部被收集，防止释放真空时液体回流污染样品。

Solvent recovery unit working combined with parallel concentration evaporator, cooling circulation fluid and external glass condenser are non requirements, can meet the demand bulk solvent recovery up to 3L, the inlet interface height is 25cm, lower than parallel evaporation concentration meter output interface, ensure that all condensate is collected within the pipeline, to prevent liquid backflow from polluting the samples

◇ 真空泵尾气净化应用 / Vacuum pump exhaust gas purification

溶媒回收仪与真空泵的排气口连接，可高效冷凝回收真空泵排出的有机溶剂蒸汽，极微量有机溶剂蒸汽被活性炭柱完全吸收，在实验室通风条件较差的情况下，充分保护使用者的安全与健康。

Solvent recovery unit is connected with the outlet of the vacuum pump, which can efficiently condense and recover the vapor of organic solvent. The extremely tiny vapor of organic solvent is completely absorbed by the activated charcoal column, which fully protects the safety and health of users under the condition of poor ventilation in the laboratory.



◇ 参数配置 / Product specifications

主要功能参数 Main Functional Parameters		eSR220	eSR220D	eSR320	eSR320D
显示屏 Display Screen	5英寸彩色液晶触摸屏 5-inch color LCD touch screen	√	√	√	√
冷凝级数 Condense Stage	三级 Three stages	√	√	√	√
最低温度 Lowest Temperature	-20℃	√	√	√	√
自动化霜 Automatic Defrosting	二、三级冷凝器交替自动化霜 Second, third stage defrosting alternating automatically	×	√	×	√
收集瓶数量 No. Of Collection bottle	两个收集瓶 2 Collection bottles	√	√	√	√
收集瓶总容量 Collection bottle Volume	3L	√	√	√	√
内胆材质 Tank material	316不锈钢/聚四氟乙烯 Stainless steel 316 / PTFE	316不锈钢 Stainless steel 316		聚四氟乙烯 PTFE	
制冷剂 Refrigerant	R404A				
接口规格 Interface Type	进气口φ13 宝塔接头，排气口φ12 宝塔接头 13 tower connector for inlet; 12 tower connector for outlet				
额定功率 Rated Power	500W				
电源要求 Power Requirement	AC220V 50Hz 5A				
仪器体积 Overall Dimension	宽340mm、深510mm、高715mm Width340mm,Depth510mm,Height715mm				
整机重量 Net weight	50Kg				