

RE-5000B Rotary Evaporator

Electronic stepless speed regulation, operate stably
Corrosion resistance and long service life

RE-5000B 旋转蒸发仪

电子无级调速，运行平稳
回收率高，耐腐蚀，使用寿命长



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PRODUCT DESCRIPTION

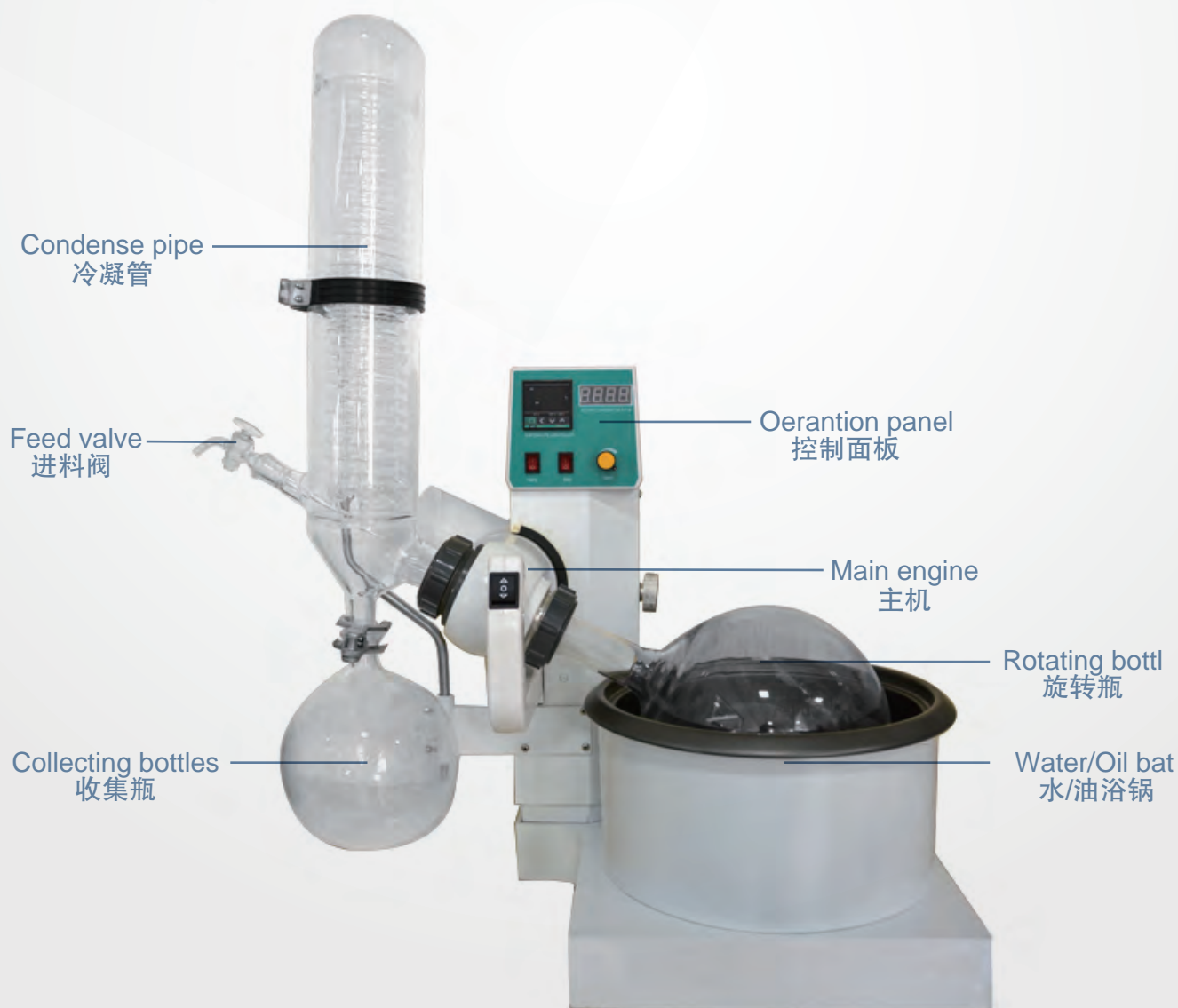
产品描述

RE-5000B rotary evaporator mainly used for continuous distillation of a large amount of volatile solvent under negative pressure. Especially for the concentration of extract liquor and distillation of receive liquid when chromatograph, it can isolate and purify reaction product. In reduced pressure condition, when solvent distillation, distillation flask in continuous rotation, the distillation flask is a pyriform or round-bottom flask who is connected to vacuum pump by a snakelike condenser pipe, the other open mouth of condenser pipe is connected to receiving flask to receive evaporated organic solvent. There is a three-way valve between condenser pipe and vacuum pump, when system connect to air, take down distillation flask and receiving flask to transfer solvent. Please reduce pressure first before rotate distillation flask; and please power off first before connect to air, to prevent the rotating distillation flask from falling off. Thermostatic water bath is the heat source for distillation. RE-5000B rotary evaporator mainly used in medicine, chemical engineering, biopharmacy industries for the concentration, crystallization, drying, separation and solvent recovery, especially suitable for concentrate and purify high temperature easily decomposed material.

RE-5000B型旋转蒸发仪主要用于在减压条件下连续蒸馏大量易挥发性溶剂，尤其对萃取液的浓缩和色谱分离时的接收液的蒸馏，可以分离和纯化反应产物。在减压情况下，当溶剂蒸馏时，蒸馏烧瓶连续转动，蒸馏烧瓶是一个带有标准磨口接口的梨形或圆底烧瓶，通过高度回流蛇形冷凝管与减压泵相连，回流冷凝管另一开口与带有磨口的接收烧瓶相连，用于接收被蒸发的有机溶剂。在冷凝管与减压泵之间有一个三通活塞，当体系与大气相通时，可以将蒸馏烧瓶和接液烧瓶取下转移溶剂，当体系与减压泵相通时，则体系应处于减压状态。使用时，应先减压，再开动电动机转动蒸馏烧瓶；结束时，应先停机，再通大气，以防蒸馏烧瓶在转动中脱落。作为蒸馏的热源，常配有相应的恒温水槽。RE-5000B型旋转蒸发仪主要用于医药、化工和生物制药等行业的浓缩、结晶、干燥、分离及溶媒回收，特别适用对高温容易分解变性的生物制品的浓缩提纯。

DETAILS DRAWING

零件详图



PRODUCT PARAMETER

产品参数

Type 型号	RE-5000B
Glass Material 玻璃材质	GG-17
Support Material 支架材质	Aluminum allo 铝合金
Inner Container Material 锅壳材质	Aluminum allo+Teflon recombination,full-closed heating 280*170mm 铝合金+特氟隆复合锅, 全封闭加热 280*170mm
Volume of Ritary Bottle 旋转瓶容积	5L ϕ 50 flange port 5L ϕ 50 法兰口
Volume of Recycling Bottle 收集瓶容积	2L 35#Standard Aperture 2L 35#球磨口
Rotating Speed 旋转速度	0-180rpm
Rotating Power 旋转功率	40W
Heating Power 加热功率	1.5KW
Temperature Control Range of Bath Kettle 浴锅控温范围	0-99℃
TemperatureAccuracy 控温精度	±1℃
Up and Down distanc 升降行程	120mm
Voltage/Frequency(V/Hz) 电压/频率 (V/Hz)	220V/50Hz
Shape Size(mm) 外形尺寸 (mm)	700*410*880
Package Size(mm) 包装尺寸 (mm)	640*540*690
Package Weight(KG) 包装重量(kg)	42.5

PRODUCT DETAILS

细节优点



Water Bath

浴锅

Thermostatic control the water bath, lifting up and down.

水浴锅电子恒温控制，并可上下升降



Condenser Tube

冷凝管

High efficient double condenser to ensure high recovery rate

采用主副高效双冷凝器，确保高回收率



Double seal

双层密封

Teflon and fluororubber are double sealed to maintain high vacuum

特氟龙 (Teflon) 和氟橡胶进行双层密封，保持高真空度



Monitor

显示屏

Digital display of both rotary speed and temperature, clear and convenient, electronic stepless speed regulation, operate stably; Humanized operation system, seesaw type button is easy to handle and fast

转速温度双数显，清晰明了，电子无级调速，运行平稳，人性化操作系统，运用跷板式按键，操作方便，响应速度快

MATCHING PRODUCTS

配套产品



RE-5000B Rotary Evaporator
RE-5000B 旋转蒸发仪



DLSB-5/10 cooling pump
DLSB-5/10 制冷泵



SHZ-95B Vacuum Pump
SHZ-95B 真空泵

SERIES PRODUCTS

系列产品



RE-52A



RE-100Pro



RE-301



R-1050




RE-2002



RE-5003



QUALITY CERTIFICATION

品质认证

 ISET S.r.l. <small>Sede Legale e Uffici: Via Donato di Sanguis S: 40024 Magenta (MI) Tel. +39 0376 589863 jset@set-italia.com www.set-italia.com</small> <small>Cap. Soc. i.v. Cod. Fisc. e P.IVA Reg. Imprese REA</small> <small>€ 10.200,00 02 232 750 369 02 232 750 369 MN 0221089</small>	
CERTIFICATE OF COMPLIANCE Certificado de Conformidade - Сертификат соответствия - Konformitätserklärung	
D) APPLICANT: Henan Lanphan Trade Co., Ltd. Room 801, Building B, North Jianshe Road, West Qingling Haod Road, Zhongyuan District, Zhengzhou City, China MANUFACTURER: Henan Lanphan Industry Co., Ltd. North Jianshe Road, West Qingling Road, Zhongyuan District, Zhengzhou City, China	3) CERTIFICATE NO.: IT0524LP16011801 TEST REPORT(S) NO.: DL-2018010006E DL-2018010009S DL Certification & Testing Co., Ltd.
3) WITH REFERENCE TO EC DIRECTIVE APPLIED: Low Voltage Directive 2014/35/EU Electromagnetic Compatibility 2014/30/EU HARMONIZED STANDARDS APPLIED: EN 61326-1:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61010-1:2010	4) CERTIFICATION ISET MARK: 
5) PRODUCT CHARACTERISTICS: Circulating Water Vacuum Pump TRADE MARK:  MODEL(S): SHZ-95B, SHZ-D111, SHZ-GA, SHZ-CB, SHZ-C, SHZ-CD, SHZ-2000	
REMARK: The verification has been carried out on a voluntary basis. We attest that a TCF is in place. The product(s) satisfies the requirements of the Certification Mark of ISET, in reference to the above list standard(s). The above compliance mark can be fixed on the product(s) according to the ISET regulation about its release. This verification doesn't imply assessment of the production and the products. Notice of the CE marking: The label of the CE marking: Not less than 5mm height. Before putting the product(s) into market, CE marking and EC declaration are duties of the manufacturer. The manufacturer is responsible to start the CE marking certification procedure and to perform the activities according to all the relative directive(s). 	
6) DATE OF ISSUE: 16/01/2018 DATE OF EXPIRE: 15/01/2021 CERTIFICATION MANAGER:  	

 ISET S.r.l. <small>Sede Legale e Uffici: Via Donato di Sanguis S: 40024 Magenta (MI) Tel. +39 0376 589863 jset@set-italia.com www.set-italia.com</small> <small>Cap. Soc. i.v. Cod. Fisc. e P.IVA Reg. Imprese REA</small> <small>€ 10.200,00 02 232 750 369 02 232 750 369 MN 0221089</small>	
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5) PRODUCT CHARACTERISTICS: Rotary Evaporator TRADE MARK:  MODEL(S): RE-501, RE-201D, RE-52A, RE-52C, RE-2010, RE-2000A, RE-2000B, RE-2000E, RE-301, RE-3000A, RE-3000B, RE-3000E, RE-500X, RE-1002, RE-1002E, RE-3002, RE-5003, RE-1003, R-1003, R-1010, R-1020, R-1050	
REMARK: The verification has been carried out on a voluntary basis. We attest that a TCF is in place. The product(s) satisfies the requirements of the Certification Mark of ISET, in reference to the above list standard(s). The above compliance mark can be fixed on the product(s) according to the ISET regulation about its release. This verification doesn't imply assessment of the production and the products. Notice of the CE marking: The label of the CE marking: Not less than 5mm height. Before putting the product(s) into market, CE marking and EC declaration are duties of the manufacturer. The manufacturer is responsible to start the CE marking certification procedure and to perform the activities according to all the relative directive(s). 	
6) DATE OF ISSUE: 16/01/2018 DATE OF EXPIRE: 15/01/2021 CERTIFICATION MANAGER:  	

 CERTIFICATION EUROPE HONG KONG Certificate of Registration Certificate NO: 10134302E This is to Certify that the Environmental Management System of Henan Lanphan Industry Co., Ltd. Room 801, Block B, North of Jianshe Road, West of Qingling Road, Zhongyuan District, Zhengzhou City, He'nan Province, China Has been audited to the following Environmental Management System standard: ISO14001:2015 This system is valid for the Sales of Valves, pipe fittings, rubber products, plastic products, metal products, glassware, water treatment equipment, stainless steel products, children's toys, needles textiles, mechanical and electrical products, amusement equipment, building materials, machinery equipment, hardware tools; Design and construction of anti-corrosion insulation engineering, municipal engineering, highway engineering; Construction labor subcontracting; Electromechanical equipment installation engineering; Installation of water and electricity; Integrated wiring system engineering; Installation and maintenance of computer; Technical development, technology transfer and technical consultation of computer software; Technical development of photoelectric integration; Property services; Cleaning services involved in environmental management activities Date of issue: Jan. 09, 2018 Date of expiry: Jan. 08, 2021 This certificate will not remain valid only if the certified organization accepts at least one surveillance audit annually within the validity period of the certificate in which the surveillance audit conforming mark is in the designated position on the certificate.    Issued by:  12months 24months CERTIFICATION EUROPE(HONGKONG)LIMITED WWW.CCE-HK.COM	
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 CERTIFICATION EUROPE HONG KONG Certificate of Registration Certificate NO: 10134302Q This is to Certify that the Quality Management System of Henan Lanphan Industry Co., Ltd. Room 801, Block B, North of Jianshe Road, West of Qingling Road, Zhongyuan District, Zhengzhou City, He'nan Province, China Has been audited to the following Quality Management System standard: ISO9001:2015 This system is valid for the Sales of Valves, pipe fittings, rubber products, plastic products, metal products, glassware, water treatment equipment, stainless steel products, children's toys, needles textiles, mechanical and electrical products, amusement equipment, building materials, machinery equipment, hardware tools; Design and construction of anti-corrosion insulation engineering, municipal engineering, highway engineering; Construction labor subcontracting; Electromechanical equipment installation engineering; Installation of water and electricity; Integrated wiring system engineering; Installation and maintenance of computer; Technical development, technology transfer and technical consultation of computer software; Technical development of photoelectric integration; Property services; Cleaning services Date of issue: Jan. 09, 2018 Date of expiry: Jan. 08, 2021 This certificate will not remain valid only if the certified organization accepts at least one surveillance audit annually within the validity period of the certificate in which the surveillance audit conforming mark is in the designated position on the certificate.    Issued by:  12months 24months CERTIFICATION EUROPE(HONGKONG)LIMITED WWW.CCE-HK.COM	
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CUSTOMERS FROM VARIOUS COUNTRIES

各国客户



FACTORY SITUATION

工厂情况



TRANSPORT

快递物流



Type 型号	RE-5000B
Package Size(mm) 包装尺寸(毫米)	640*540*690
Weight(kg) 重量(kg)	42.5



PACKAGING:

1. Cartons + wooden cases
2. Custom packaging is available.

打包:

1. 纸箱+木箱。
2. 可以提供定制包装。

SHIPMENT:

1. We can deliver the goods to you by international express, such as DHL, UPS, TNT, EMS and so on.
2. You can also choose the right one according to the schedule and budget.
3. You may choose to use your own shipping agent.

运输:

1. 我们可以通过国际快递将货物运送给您，如DHL，UPS，TNT，EMS等。
2. 您还可以根据时间表和预算选择一个合适的。
3. 您可以选择使用自己的运输代理商。

FAQ

常见问题解答

1. ASK:What factor decides the working efficiency of Rotary Evaporator

Answer:For same type equipment, mainly includes: steam temperature, vacuum degree and cooling water temperature. Restricted by some material's thermolability, the steam temperature may have certain limitation when working,so high vacuum degree and low cooling water temperature are two main factors for efficiency improving (can select cryopump to lower the temperatur)

2. ASK:How about the anti-explosion ability of R series Rotary Evaporator?

Answer: Our company's Rotary Evaporator adopt alternating current dynamo,stepless speed regulating (or frequency control), no electric brush and no sparkin operation. Water bath kettle which goes with the evaporator adopts nitrogen-sealed relay control, silicon-controlled contactless switch and vacuum switch. Manual control switch adopt twice circuit control which make electric current less than 3mA and has favorable anti-explosion feature

3. ASK:What's the feature of rotary evaporator comparing to other evaporators?

Answer:It has the advantage of small structure, efficient, easy to observe and no metal ion pollution. It is applicable for laboratory, production and valuable material extraction. Its leakproofness ability can compare favorably with foreign equipment while it remain improvement in appearance and humanization design.

1、问：影响旋转蒸发器效率的因素主要有哪些？

答：就同一规格机器而言，主要有：蒸汽温度、真空度和冷却水温。受某些物料不耐热性的制约，工作时不可能无限提高蒸汽温度，故高真空度和低冷却水温是提高效率的两大主要因素（可选用低温泵，降低水温）。

2、问：R系列蒸发器的防爆性如何？

答：我厂生产的旋转蒸发器采用交流电机，无级调速（或变频调速），无电刷，运转中无火花。与之相配的水浴锅控制分别采用充氮密封继电器，可控硅无触点开关，真空开关。手动控制开关采用二次线路控制，控制电流小于3mA，有良好的防爆特性。

3、问：旋转蒸发仪与其他类型蒸发仪相比如何？

答：它的主要优点是结构小巧，紧凑高效，工作直观，无金属离子污染。适用于实验室、生产中试及名贵物料的提取。其密封性能可与国外的机器相媲美，但在外观和人性化设计上还有待改进。



PLEASE CONTACT US

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