

RE-100L Rotary Evaporator

Beautiful appearance, humanized design
corrosion resistance and long service life

RE-100L 旋转蒸发仪

外观漂亮，采用人性化设计
回收率高，耐腐蚀，使用寿命长



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PRODUCT DESCRIPTION

产品描述

RE-100L rotary evaporator's rotary bottle maximum capacity is 100L, receiving bottle's maximum capacity is 50L, rotate speed is 0-90r.p.m, motor power is 300W. 100L rotary evaporator is an exclusive research and developed large-size rotary evaporator of our company, designed for the purpose of mass production need. It is a pioneer of China's large-size rotary evaporator, and filled up the blank of 100L rotary evaporator in China. RE-100L's main energy is equipped with universal wheel, which makes it movable, bath kettle can automatic up and down, speed regulation and temperature control center on main engine table, greatly convenient to handle. The brushless electric machine makes it safe and low noise. The equipped double condenser(main and vice condenser) has better condensation effect and higher recovery rate. Because this rotary evaporator works under vacuum condition, and contact segment all adopt high temperature resistance material-high borosilicate glass and PTFE material, it is especially suitable for heat reactive material and material which is corrosive to stainless steel's concentration, crystallization, separation and solvent recovery.

The rotary evaporator has advantages of large contact area, high evaporation efficient, easy to handle, low noise, good sealing performance, complete in specifications and can manage easily foam material. It already has various specification products: 2L, 3L, 5L, 10L, 20L, 30L, 50L, 100L and so on.

RE-100L旋转蒸发仪旋转瓶最大容量100L，收集瓶容量50L，转速0-90r.p.m，电机功率300W。RE-100L旋转蒸发仪是本厂独家研发推出的大型旋蒸，便于客户在实际大规模生产中的需要，100升旋转蒸发器开创了国内大容量旋转蒸发器的先河，填补了国内100升旋蒸的空白。RE-100L旋转蒸发器，主体下安装有万向轮，整机可移动，浴锅可自动升降，调速及控温集中在主机的台面进行操作，最大程度的方便了使用者的操作。旋转电机选用无刷电机，安全平稳无噪音，液晶显示转速。配备双冷凝器（主冷、副冷）冷凝效果更佳，回收率更高。由于本仪器是在真空条件下工作，且与物料接触部分全部采用耐高温高硼硅玻璃和聚四氟乙稀材料，所以本仪器特别适用于对热敏感性物料及对不锈钢等金属材料有腐蚀的物料的浓缩、结晶、分离、溶媒回收。

本仪器接触面积大、蒸发效率高、使用方便、噪音低、密封可靠，可处理易发泡物料，且规格齐全，已形成2L、3L、5L、10L、20L、30L、50L、100L等多种规格产品。

DETAILS DRAWING

零件详图



PRODUCT PARAMETER

产品参数

Type 型号	RE-100L
Glass Material 玻璃材质	GG-17
Support Material 支架材质	Stainless steel 不锈钢
Shell Material 锅壳材质	Antisepis Plastic Spraying 820*8240mm 喷塑防腐 820*8240mm
Inner Container Material 锅胆材质	Stainless Steel 795*330mm 不锈钢 795*330mm
Baseboard Size 底板尺寸	1600*830mm
Volume of Ritary Bottle 旋转瓶容积	100L ϕ 180 Flange aperture 100L ϕ 180法兰口
Volume of Recycling Bottle 收集瓶容积	50L ϕ 40 Standard Aperture 50L ϕ 40 标口
Vacuum Degree 真空度	0.098Mpa
Rotating Power 旋转功率	300W 220V/50Hz
Rotating Speed 旋转速度	0-110rpm
Heating Power 加热功率	12KW 380V/50Hz
Temperature Control Range of Bath Kettle 浴锅控温范围	0-400°C
TemperatureAccuracy 控温精度	$\pm 1^{\circ}\text{C}$
Up and Down distanc 升降行程	180mm
Voltage/Frequency(V/Hz) 电压/频率 (V/Hz)	220V/50Hz
Shape Size(mm) 外形尺寸 (mm)	1700*850*2600
Package Weight(KG) 包装重量(kg)	400

PRODUCT DETAILS

细节优点



Water Bath

浴锅

Heating kettle is applicable for both water and oil, digital thermostat control and manual up and down, closed resistance wire heater, temperature control by K type transducer

加热锅水油通用，数字恒温控制，并可手动上下升降，封闭式电阻丝加热器，温度控制由K型传感器实现



Condenser Tube

冷凝管

Adopt main and vice efficient condenser, there has automatic switching device between vice condenser and receiving bottle

采用主副高效组合冷凝器，副冷凝器与收集瓶之间装有自动切换装置



Flange connection

连接法兰

Flange connection make it easy to dismount, high fastening strength.

采用特制的法兰连接，拆装方便，紧固强度高



Motor

主机

Silence design, optimal experiment environment

静音设计，优化实验环境

MATCHING PRODUCTS

配套产品



RE-100L Rotary Evaporator
RE-100L 旋转蒸发仪



DLSB cooling pump
DLSB 制冷泵



2XZ Rotary Vane Vacuum Pump
2XZ系列旋片式真空泵

SERIES PRODUCTS

系列产品



RE-52A



RE-2010



RE-2000E



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 51 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 51 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-100X, 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:  CERTIFICATION EUROPE(HONGKONG)LIMITED WWW.CCE-HK.COM 	
12months 24months	

 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:  CERTIFICATION EUROPE(HONGKONG)LIMITED WWW.CCE-HK.COM 	
12months 24months	

CUSTOMERS FROM VARIOUS COUNTRIES

各国客户



FACTORY SITUATION

工厂情况



TRANSPORT

快递物流



Type 型号	RE-100L
Package Size(mm) 包装尺寸(毫米)	1700*850*2600 mm
Weight(kg) 重量(kg)	400



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:What's the difference between vertical and inclined condenser

Answer:They have no difference essentially. Vertical condenser is gradually popular because of its small space usage and convenience for transportation and use. Most high-capacity instruments use vertical condenser

3. ASK:What is the basis for the design of the main lifting and water bath lifting?

Answer:It's mainly from the consideration of convenience, safe and economical.Generally, small-size rotary evaporators below 5L use main engine rising and falling and evaporators which are above 5L use water bath kettle rising and falling.

4. 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

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三大主要因素（可选用低温泵，降低水温）。

2. 问：立式冷凝器和斜式冷凝器有何区别？

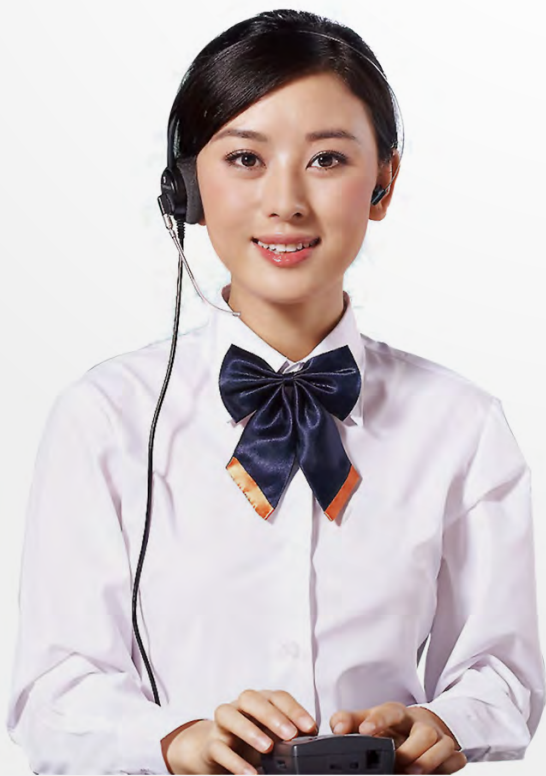
答：本质上无明显区别。立式冷凝器由于占用空间小，渐渐受欢迎。大容量蒸发器一般采用立式冷凝器。

3、问：主机升降和水浴锅升降设计的依据是什么？

答：以方便、安全和经济为原则，国际上一般小型机器（5L以下）升降主机，5L以上升降水浴锅。

4、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。



PLEASE CONTACT US

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