

# RE-100Pro Rotary Evaporator

Beautiful appearance, humanized design  
corrosion resistance and long service life

## RE-100Pro 旋转蒸发器

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

RE100-Pro rotary evaporator is a new generation intelligent product of Henan Lanphan, the temperature and rotating speed is liquid crystal display, control part uses high performance single chip as the main control chip, according to formulate controlled member to use dedicated control program. The RE100-Pro rotary evaporator is elegant in appearance, stable in performance.

Rotary evaporator is also known as rotovap or rotavap, it is a common used lab instrument in chemical laboratory, mainly used for the continuous distillation of large amount easily volatilized solvents under negative pressure. Especially for the concentration of extract liquor and distillation of receive liquid when chromatograph. Because evaporator is vacuumized, to be distilled solvent' s boiling point depressed. In general, ingredient which is distilled form sample is the target ingredient in chemical research, such as extracting some natural ingredient from organic synthesis sample. Rotary evaporator mostly is used for isolating low-boiling ingredient, such as hexane, ethyl acetate, that presenting liquid state under room temperature and normal pressure. Besides, it can dislodge some ingredient in sample by standard operation.

RE100-Pro是新一代智能型旋转蒸发器，温度转速双液晶显示，控制部分采用高性能单片机作为主控芯片，根据制定控制对象，采用专用控制程序，整机美观大方、性能稳定。

旋转蒸发器又称旋转蒸发仪或旋蒸，是一种化学实验室常用的实验仪器，主要用于在负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。由于蒸发器被抽真空，待蒸馏的溶剂沸点降低。通常情况下，从样品中蒸馏出来的成分是化学研究中目的成分，例如有机合成样品中提取某种天然成分。旋转蒸发仪多数情况下使用来分离低沸点的成分，例如己烷、乙酸乙酯，这些成分在室温和常压状态下呈液态。另外，通过规范的操作，也可以达到去除样品所含的某种成分。

# DETAILS DRAWING

## 零件详图



Condense pipe  
冷凝管

Feed valve  
进料阀

Main engine  
主机

Rotating bottle  
旋转瓶

Water/Oil bath  
水/油浴锅

Collecting bottles  
收集瓶

Operation panel  
控制面板



# PRODUCT PARAMETER

## 产品参数

Type 型号	RE-100Pro
Rotating Flask Volume(L) 旋转瓶容积	1L(100ml、250ml、500ml、2L Optional) 1L(100ml、250ml、500ml、2L选配)
Receiving Flask Volume(L) 收集瓶容积	1L(100ml、250ml、500ml、2L Optional) 1L(100ml、250ml、500ml、2L选配)
Voltage(VAC) 电压(VAC)	110-120/200-240
Frequency(Hz) 频率(Hz)	50/60
Power(W) 功率(W)	1400
Vacuum Degree (Pa) 真空度(Pa)	399.9(3mmHg)
Motor 电机	Brushless DC Motor(直流无刷电机)
Speed Range(rpm) 速度范围	20-280
Speed Display 速度显示	LDC
Forward & Reverse Rotation 正反向旋转	Yes/有
Temperature Range(°C) 温度范围(°C)	RT(室温)-180
Temperature Control Accuracy(°C) 控温精度(°C)	±1
Heating Power(W) 加热功率(W)	1300
Temperature Display 温度显示	LDC
Condenser Cooling Area(cm <sup>2</sup> ) 冷凝器冷却面积(cm <sup>2</sup> )	1500
Lifting Method 升降方式	Electric(电动)
Lifting Distance(mm) 升降行程(mm)	150
Timing 定时	Yes/有
Time Display 时间显示	LDC
Time Setting Range(min) 时间设置范围(min)	1-999
Package Weight(KG) 尺寸(mm)	420*400*580
Weight(KG) 重量(kg)	20
Environmental Temperature Range(°C)允许环境温度范围(°C)	5-40
Relative Humidity 允许相对湿度	80%
DIN EN60529 Protection Level DIN EN60529保护级别	IP20
USB	有

## PRODUCT DETAILS

### 细节优点



## Water Bath

### 浴锅

304 stainless steel material, resistant to high temperature and corrosio

不锈钢304材质, 耐高温、抗腐蚀



## Condenser Tube

### 冷凝管

The condenser use double spiral coil pipe, condensation area is up to 1500cm<sup>2</sup>, faster solvent condensation speed, recovery rate approach to 100%

冷凝器采用双螺旋盘管, 冷凝面积高达1500cm<sup>2</sup>, 溶剂冷凝速度快, 回收率接近100%



## Rotating Bottl

### 旋转瓶

You can freely choose 100mL, 250mL, 1L, 2L rotary flask, easy to replac

可选配100ml、250ml、500ml、1L、2L的旋转瓶, 更换简单、便捷



## Monito

### 显示屏

Large LCD screen, it can display temperature, rotating speed, timing information at the same time, which is intelligent and convenien

大LCD数字显示屏可同时显示温度、转速和定时信息, 智能、直观、便捷



## MATCHING PRODUCTS

### 配套产品



RE-100Pro Rotary Evaporator  
RE-100Pro 旋转蒸发器



DLSB-5/10 cooling pump  
DLSB-5/10 制冷泵



SHZ-D III Vacuum Pump  
SHZ-D III 真空泵

# SERIES PRODUCTS

系列产品



RE-52A



RE-2010



RE-2000E



R-1050



RE-2002



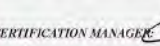







RE-5003








# QUALITY CERTIFICATION

## 品质认证

 <b>ISET S.r.l.</b> <small>Sede Legale e Uffici: Via Cassanese di Magenta S1 40024 Magenta (MI) Tel. n° 02 337 750 369 Fax n° 02 337 750 369 www.i-set-italia.com</small>		<small>Cap. Soc. i.v. € 10.200,00 Cod. Fisc. n° P. IVA 02 337 750 369 Rag. Imprese REA MN 0221098</small>	
<b>CERTIFICATE OF COMPLIANCE</b> Certificado de Conformidade - Сертификат соответствия - Konformitätserklärung			
<b>D) APPLICANT:</b> Henan Lanphan Trade Co., Ltd. Room 801, Building B, North Jianshe Road, West Qinling Haod Road, Zhongyuan District, Zhengzhou City, China <b>MANUFACTURER:</b> Henan Lanphan Industry Co., Ltd. North Jianshe Road, West Qinling Road, Zhongyuan District, Zhengzhou City, China		<b>3) CERTIFICATE NO.:</b> IT0524LP16011804 <b>TEST REPORT(S) NO.:</b> DL-2018010006E DL-2018010009S DL Certification&Testing Co.,Ltd.	
<b>3) WITH REFERENCE TO EC DIRECTIVE APPLIED:</b> Low Voltage Directive 2014/35/EU Electromagnetic Compatibility 2014/30/EU <b>HARMONIZED STANDARDS APPLIED:</b> EN 61326-1:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61010-1:2010		<b>4) CERTIFICATION ISET MARK:</b> 	
<b>5) PRODUCT CHARACTERISTICS:</b> Circulating Water Vacuum Pump <b>TRADE MARK:</b>  <b>MODEL(S):</b> SHZ-85B SHZ-D111, SHZ-CA, SHZ-CB, SHZ-C, SHZ-CD, SHZ-2000			
<b>REMARK:</b> 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 product(s). <b>Notice of the CE marking:</b> 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 directives).			
<b>6) DATE OF ISSUE:</b> 16/01/2018 <b>CERTIFICATION MANAGER:</b> 		<b>DATE OF EXPIRE:</b> 15/01/2021 	

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<b>5) PRODUCT CHARACTERISTICS:</b> Rotary Evaporator <b>TRADE MARK:</b>  <b>MODEL(S):</b> 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-5000, RE-1002, RE-2002, RE-3002, RE-5003, RE-1001L, R-1003, R-1010, R-1020, R-1050			
<b>REMARK:</b> 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 product(s). <b>Notice of the CE marking:</b> 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 directives).			
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 <b>CERTIFICATION EUROPE HONG KONG</b>	
<b>Certificate of Registration</b> Certificate NO: 10134302E	
This is to Certify that the Environmental Management System of <b>Henan Lanphan Industry Co., Ltd.</b> Room 801, Block B, North of Jianshe Road, West of Qinling Road, Zhongyuan District, Zhengzhou City, He'nan Province, China Has been audited to the following Environmental Management System standard:	
 <b>ISO14001:2015</b> 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	

 <b>CERTIFICATION EUROPE HONG KONG</b>	
<b>Certificate of Registration</b> Certificate NO: 10134302Q	
This is to Certify that the Quality Management System of <b>Henan Lanphan Industry Co., Ltd.</b> Room 801, Block B, North of Jianshe Road, West of Qinling Road, Zhongyuan District, Zhengzhou City, He'nan Province, China Has been audited to the following Quality Management System standard:	
<b>ISO9001:2015</b> 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	
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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-100Pro
Package Size 包装尺寸(毫米)	420*400*580
Weight 重量(kg)	20



### 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's the difference of vertical condenser(RE100-Pro) and inclined condenser (RE100B-Pro)?

Answer:Vertical condenser takes up small space, large volume rotary evaporator generally use the vertical condenser

2.ASK:What's the maximum evaporation speed(HO) of RE100-Pro rotary evaporator?

Answer:25mL/mi

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

Answer: Small and exquisite, high efficient, no metal ionic soil, applicable for laboratory, pilot plant test and extraction of valuable materials.

4.ASK:Can you supply British Standard plug?

Answer:Yes, we can provide American Standard, British Standard, European Standard and Italian Standard plugs for you.

1.问：立式冷凝器和斜式冷凝器有何区别？

答：立式冷凝器占用空间小，大容量蒸发器一般采用立式冷凝器。

2.问：RE100-Pro旋蒸的最大蒸发速度（HO）是多少？

答：25ml/min。

3.问：旋蒸与其他类型蒸发器相比有何特点？

答：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。

4.问：我们的插头是英标插头可以提供吗？

答：可以。美标、英标、欧标、意标插头我们都可以提供。



## PLEASE CONTACT US

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