

## RE100-Pro Digital Rotary Evaporator

LCD Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It offers an excellent distilling solution in a wide range of applications.

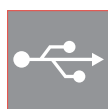


### Features:

- Digital display of both rotation speed and heating temperature allows for optimal control of all distillation processes
- Automatic motor lift releases the evaporating flask to a safe position in case of power failure
- 5L heating bath with wide temperature range from room temp. to 180°C)
- Overheating protection temperature at 220°C
- Speed range from 20 to 280rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Patented condenser (cooling surface 1500cm<sup>2</sup>) with excellent cooling effect
- Ejection mechanism ensures easy removal of evaporating flask
- Patented double spring sealing ring which is made of PTFE provides an excellent sealing performance
- Remote function provides PC control and data transmission



Large LCD display



USB connector



Chemical resistance



Overheating protection



Compatible with all range of glassware

### Specifications

	RE100-Pro
Motor Type	Brushless DC motor
Speed Range	20-280rpm
Display	LCD(speed,temperature, time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	±1°C
Heating Power	1300W
Stroke Displacement	automatic 150mm
Timer	Yes
Time Setting Range	1-999min
Dimension[D×W×H]	465×457×583mm
Weight	15kg
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%RH
Protection Class	IP20
USB Interface	Yes
Voltage/Frequency	100-120/200-240V 50/60 Hz
Power	1400 W

# Rotary Evaporator | Accessories

## Condenser



### Vertical

Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask(NS29/32) Receiving flask(KS35/20)	1000mL	1500cm <sup>2</sup>
18900173	Evaporating flask(NS24/40) Receiving flask(KS35/20)	1000mL	1500cm <sup>2</sup>
18900166	(COATED)Evaporatingflask(NS29/32) Receiving flask (KS35/20)	1000mL	1500cm <sup>2</sup>
18900174	(COATED)Evaporatingflask(NS24/40) Receiving flask (KS35/20)	1000mL	1500cm <sup>2</sup>



### Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask(NS29/32)Receiving flask(KS35/20)	1000mL	1500cm <sup>2</sup>
18900171	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000mL	1500cm <sup>2</sup>
18900164	(COATED)Evaporatingflask(NS29/32) Receiving flask (KS 35/20)	1000mL	1500cm <sup>2</sup>
18900172	(COATED)Evaporatingflask(NS24/40) Receiving flask (KS35/20)	1000mL	1500cm <sup>2</sup>



### Heating Bath

Cat. No.	Description	Volume
18900201	Rotary Evaporator, 220V	5L
18900202	Rotary Evaporator, 110V	5L

### LCD display



## Glassware



### Evaporating flask

Cat. No.	Volume	Size
18300116	50mL	NS 29/32
18300117	100mL	NS 29/32
18300118	250mL	NS 29/32
18300119	500mL	NS 29/32
18300120	1000mL	NS 29/32
18300121	2000mL	NS 29/32
18300655	50mL	NS24/40
18300201	100mL	NS 24/40
18300202	250mL	NS 24/40
18300203	500mL	NS 24/40
18300204	1000mL	NS 24/40
18300205	2000mL	NS 24/40



### Receiving flask

Cat. No.	Volume	Size
18300107	100ml	KS 35/20
18300108	250ml	KS 35/20
18300109	500ml	KS 35/20
18300110	1000ml	KS 35/20
18300111	2000ml	KS 35/20



### Distilling spider with 5 flasks(without flask)

Cat. No.	Volume	Size
18900194	/	NS 29/32, NS24/29
18900177	/	NS 29/32, NS19/26



### Foam brake

Cat. No.	Volume	Size
18300093	250ml	NS 29/32
18300207	250ml	NS 24/40



### Vapor tube

Cat. No.	Volume	Size
18100998	/	NS 29/32
18300206	/	NS 24/40

### Connector

Cat. No.	Volume	Size
18300094	/	NS 29/32, NS24/29
18300095	/	NS 29/32, NS19/26
18300096	/	NS 29/32, NS14/23
18300199	/	NS24/40, NS19/22
18300200	/	NS 24/40, NS14/20
18900193	/	NS 24/40, NS 29/42

# Rotary Evaporator | Accessories

## Additional

### DVR480 Vacuum controller

#### Specification

Suitable for the vacuum diaphragm vacuum pump controller  
 Pressure stability:  $\pm 0.1$  Torr/0.133mbar  
 Nozzle size: 8mm  
 Sensor material: stainless steel



Cat. No.	Voltage
18900361	Vacuum controller 100-240V, 50/60Hz

### CVC 3000 vacuum controller

#### Specification

Vacuum sensor: Integration.  
 Upper measuring limit: 1080 / 810mbar  
 Lower measuring limit: 0.1 / 0.1mbar  
 Temperature coefficient:  $< 0.07$  mbar/hPa/0.05 torr /K  
 Dimension (L x W x H): 181 x 162 x 174mm  
 Weight : 1.5kg  
 Measurement principle: Ceramic diaphragm (alumina), capacitive, gas indep., absolute pressure  
 Accuracy of measurement:  $< \pm 1$  mbar/hPa/torr /  $\pm 1$  digit (after adjustment, constant temp.)  
 Venting valve, connection: Integrated, hose nozzle DN 4-5 mm

Cat. No.	Description
18900245	Vacuum Controller



### Seals and other accessories

Cat. No.	Description
18202027	PTFE vacuum seal
18900362	Ultra resistant FFKM seal for applications with highly abrasive solutions
18900190	Evaporation flask clip(red) CS002440
18900188	Evaporation flask clip(green) CS002942



### C410 Chemistry-design diaphragm pump

#### Specification

Maximum Vacuum: 13mbar  
 Work Mode: In Successions  
 Nozzle Size: 8mm, Power: 95W  
 Motor speed: 1450rpm  
 Flow Rate:  
 mbar | 1000 | 880 | 750 | 600 | 480 | 280  
 L/min | 25 | 22 | 20 | 12 | 7.5 | 5  
 Noise: 50dB



Cat. No.	Voltage
18200743	220-240V, 50/60Hz
18200745	110-120V, 50/60Hz

### MZ 1C Chemistry-design diaphragm pump

#### Specification

Number of heads / stages: 2 / 2  
 Max. pumping speed: 0.75 m<sup>3</sup>/h  
 Ultimate vacuum (abs.): 12mbar  
 Nozzle Size: DN 8-10 mm  
 Rated motor power: 0.06kW  
 Rated motor speed: 1500/1800 rpm  
 Noise level: 45dB  
 ATEX: II 3G IIC T3 X Internal Atm. only



Cat. No.	Voltage
18900231	Cn plug, 100V-120V/200-230V 50Hz/60Hz
18900232	Euro plug, 100V-120V/200-230V 50Hz/60Hz
18900233	USA plug, 100V-120V/200-230V 50Hz/60Hz
18900234	UK plug, 100V-120V/200-230V 50Hz/60Hz

### Vacuum regulator/moisture trap

Cat. No.	Description
18900186	In use of control small volume, installed in a vacuum between DVR380 and vacuum system. Material: PVDF, PTFE, ABS, Borosilicate Glass, Stainless Steel

