

Rotary Evaporator

RE100-Pro Digital Rotary Evaporator

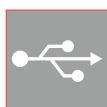
LCD Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It offers an excellent distilling solution in a wide range of applications.

Features:

- Digital display for both rotation speed and heating temperature allows for optimal controlling of all distillation processes
- Motor lift automatic release the evaporating flask to a safety position in case of power failure
- Wide temperature range of the 5L heating bath (Room temp. to 180 °C), Overheating protection temperature at 220°C
- Speed range from 20 to 280 rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Patented condenser (cooling surface 1,500 cm²) with excellent cooling effect
- Ejection mechanism ensures easy removal of evaporating flask
- Patented double spring sealing ring which 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	20~280 rpm
Display	LCD(speed,temperature,time)
Clockwise and anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	±1°C
Heating power	1300 W
Stroke displacement	automatic 150 mm
Timer	Yes
Time Setting Range	1~999 min
Dimension [D×W×H]	465×457×583 mm
Weight	15 kg
Permissible Ambient Temperature	5~40°C
Permissible Relative Humidity	80%
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 ²
18900173	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000ml	1500cm ²
18900166 (COATED)	Evaporating flask(NS 29/32) Receiving flask (KS 35/20)	1000ml	1500cm ²
18900174 (COATED)	Evaporating flask(NS 24/40) Receiving flask (KS 35/20)	1000ml	1500cm ²



Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask(NS29/32)Receiving flask(KS35/20)	1000ml	1500cm ²
18900171	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000ml	1500cm ²
18900164 (COATED)	Evaporating flask(NS 29/32) Receiving flask (KS 35/20)	1000ml	1500cm ²
18900172 (COATED)	Evaporating flask (NS 24/40) Receiving flask (KS 35/20)	1000ml	1500cm ²



Heating Bath

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



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: ± 0.1 Torr/0.133mbar
 Nozzle size: 8mm
 Sensor material: stainless steel

Cat. No.

Voltage

18900361 Vacuum controller
 100~240V, 50/60Hz



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

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:± 1 mbar/hPa/torr / ± 1 digit (after adjustment, constant temp.)
 Venting valve, connection:Integrated, hose nozzle DN 4~5 mm

Cat. No.

Descriptions

18900245 Vacuum Controller



MZ 1C Chemistry-design diaphragm pump

Specification

Number of heads / stages:2 / 2
 Max. pumping speed:0.75 m³/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

Seals and other accessories

Cat. No.

Descriptions

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



Vacuum regulator/moisture trap

Cat. No.

Descriptions

In use of control small volume, installed in a vacuum between DVR380 and vacuum system.

18900186 Material: P V D F, P T F E, A B S, Borosilicate Glass, Stainless Steel

