

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.

제품특징

- 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 1500cm²) 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



제품사양

Model	RE-100-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%RH
Protection Class	IP20
USB Interface	Yes
Voltage/Frequency	100~120/200~240V, 50/60 Hz
Power	1400 W



Heating Bath

Model	Heating Bath
Heating Temperature Range [°C]	RT-180
Heat Control Accuracy [°C]	±1
Heat Output [W]	1,300
Temperature Display	LCD
Safety Temperature [°C]	220
Volume [L]	5

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

Glassware



Evaporating flask

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

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

Foam brake

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

Distilling spider with 5 flasks(without flask)

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

Connector

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

CVC 3000 vacuum controller

- 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: $\pm 1 \text{ mbar/hPa/torr}$ / ± 1 digit(after adjustment, constant temp.)
- Venting valve, connection: Integrated, hose nozzle DN 4~5 mm



Cat. No.	18900245
Descriptions	Vacuum Controller

MZ 1C Chemistry-design diaphragm pump

- 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

C410 Chemistry-design diaphragm pump

- Maximum Vacuum: 13mbar
- Work Mode: In Successions
- Nozzle Size: 8mm, Power: 95W
- Motor speed: 1450rpm
- Flow Rate:
- mbar/L/min 1000/25, 880/22, 750/20, 600/12, 480/7.5, 280/5.5
- Noise: 50dB



Seals and other accessories

Cat. No.	Descriptions
18202027	PTFE vacuum seal
18900362	± 1 Ultra resistant FFKM seal for applications with highly abrasive solutions
18900190	Evaporation flask clip (red) CS002440
18900188	Evaporation flask clip (green) CS002942



Vacuum Seal



Evaporation flask clip

DVR480 Vacuum controller

- 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

Vapor tube

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