

Rotary Evaporators

RE100-Pro

LCD 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:

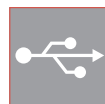
- Digital display for both rotation speed and heating temperature allows for optimal controlling of all distillation processes
- Motor lift automatically releases the evaporating flask to a safety position in case of power failure
- Wide temperature range of the 5L heating bath (Room temp. to 180 °C), 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 is made of PTFE provides an excellent sealing performance
- Remote function provides PC control and data transmission



Rotary Evaporators



Autolift 150mm



USB connector



Large LCD display



Adjustable immersion angle and height



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
Dimensions [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



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



Dry ice

Cat. No.	Glassware type	Volume	Cooling surface
18900167	Evaporating flask(NS29/32)Receiving flask(KS35/20)	1000ml	430cm ²
18900192	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000ml	430cm ²
18900168 (COATED)	Evaporating flask(NS 29/32) Receiving flask (KS 35/20)	1000ml	430cm ²
18900217 (COATED)	Evaporating flask(NS 24/40) Receiving flask (KS 35/20)	1000ml	430cm ²



Heating Bath

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

Rotary Evaporators | Accessories

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

Additional

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	100-120V, 50/60Hz

DVR-380 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

18201048	Vacuum controller 220-240V, 50/60Hz
18201049	Vacuum controller 100-120V, 50/60Hz

Vacuum regulator/moisture trap

Cat. No. Descriptions

18900186 In use of control small volume, installed in a vacuum between DVR380 and vacuum system.
Material: P V D F, P T F E, A B S, Borosilicate Glass, Stainless Steel



Seals and other accessories

Cat. No. Descriptions

18100926 Seal made of PTFE with a built-in stainless steel spring



18900190 Evaporation flask clip(red)
CS002440



18900188 Evaporation flask clip(green)
CS002942



F250 Recirculating chiller

Specification

Working temperature range:-10 ... +40°C
Temperature stability: $\pm 0.5^\circ\text{C}$
Setting / display resolution:0.1°C
Cooling capacity (Medium Ethanol):
 $^\circ\text{C}$ 20 15 10 5 0 -5
kW:0.25 0.24 0.22 0.21 0.18 0.09
Pump capacity flow rate: 15 l/min
Pump connections: M10x1
Refrigerant: R134a



Cat. No. Voltage

18200746	220-240V, 50/60Hz
18200747	100-120V, 50/60Hz

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/50Hz/60Hz
18900232	Euro plug, 100V-120V/50Hz/60Hz
18900233	USA plug, 100V-120V/50Hz/60Hz
18900234	UK plug, 100V-120V/50Hz/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
Dimensions (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

