

RE100-Pro Digital Rotary Evaporator

RE100-PRO is a digital rotary evaporator with motorized lift suitable for a wide range of applications which involve distillation processes. Rotary evaporator is an essential equipment in most chemical laboratories. These are useful in removal of high boiling point solvents from samples under low pressure.

Features

- Large LCD digital display indicates rotation speed, heating temperature and time.
- User friendly operation with automatic motor lift. Automatically lift the evaporation flask out of the bath in case of accidental power failure.
- 5L flask capacity heating bath with stainless steel interior, compatible with both water and oil bath. Water/oil heating mode can be changed only through a switch.
- Safety circuits prevent overheating at 220°C and these can be used for high temperature evaporations.
- Chemically resistant PTFE sealing ring designed to be vacuum tight.
- USB interface for data documentation and control through PC.
- Vertical condenser with large surface area of 1700 cm² provides excellent cooling effect.
- Wide variety of glassware suitable for various applications.



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	

Specifications

	RE100-Pro
Motor type	Brushless DC motor
Speed range	20-280rpm
Display	LCD (speed, temperature, time)
Clockwise and counter-clockwise	Yes
Heating temperature range	Room temp. to 180°C
Temperature accuracy	water: ±1°C oil: ±3°C
Heating power	1300W
Lifting stroke	150mm by the motor
Timer	Yes
Time setting range	1-999min
Dimension[DxWxH]	465x457x583mm
Weight	15kg
Permissible ambient temperature and humidity	5-40°C, 80%RH
Protection Class	IP20
USB Interface	Yes
Voltage	100-120/200-240V 50/60 Hz
Power	1400 W

Condenser



Vertical			
Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporation flask(NS29/32) Receiving flask(KS35/20)	1000mL	1700cm ²
18900173	Evaporation flask(NS24/40) Receiving flask(KS35/20)	1000mL	1700cm ²
18900166	(COATED) Evaporation flask(NS29/32) Receiving flask (KS35/20)	1000mL	1700cm ²
18900174	(COATED) Evaporation flask(NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²
18202410	Evaporation flask (NS 29/32) Receiving flask (KS 35/20)	1000mL	1200cm ²



Diagonal			
Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporation flask(NS29/32)Receiving flask(KS35/20)	1000mL	1700cm ²
18900171	Evaporation flask(NS24/40)Receiving flask(KS35/20)	1000mL	1700cm ²
18900164	(COATED)Evaporation flask(NS29/32) Receiving flask (KS 35/20)	1000mL	1700cm ²
18900172	(COATED)Evaporation flask(NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²



Heating Bath		
Cat. No.	Description	Volume
18900201	Rotary Evaporator, 220V	5L
18900202	Rotary Evaporator, 120V	5L
6033100210	LED heating bath, 100V-120/200-240V,50/60HZ	5L



Glassware



Evaporation 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 for 5 flasks (without flask)

Cat. No.	Volume	Size
18900194	/	NS 29/32, NS24/29
18900177	/	NS 29/42, NS24/40



Foam brake

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



Vapor tube

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