

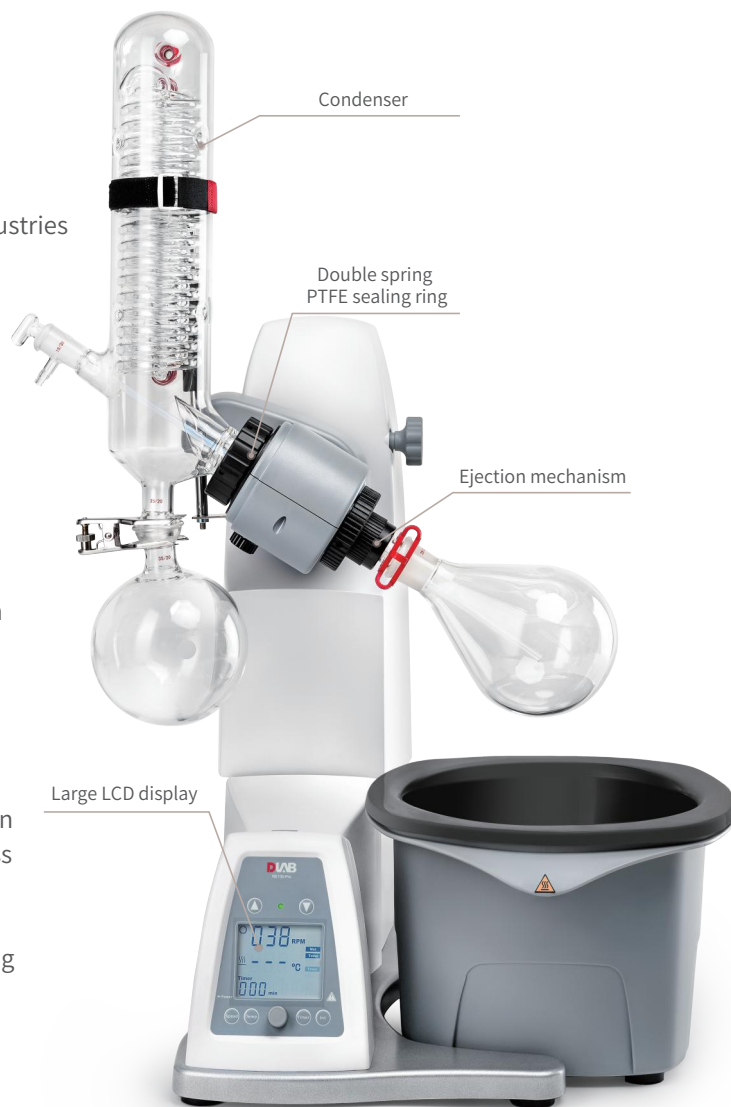
# RE100-Pro

## Digital Rotary Evaporator

It is highly used in chemical industries, pharmaceutical industries and also higher learning institution

## Features

- Digital LCD 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 temperature to 180 °C Water/oil heating mode can be changed only through a switch
- Overheating protection temperature at 220 °C
- Boil-dry protection, automatically power off if heating without water/oil in the heating bath
- Speed range from 20 to 280rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Condenser (cooling surface 1700cm<sup>2</sup>) with excellent cooling effect
- Ejection mechanism ensures easy removal of evaporating flask
- Double spring sealing ring made of PTFE provides an excellent sealing performance
- Optional glassware with explosion proof film available



Large LCD display



USB connector



Chemical resistance



Overheating protection



Compatible with all range of glassware

Specifications	RE100-Pro
Evaporating Flask Volume	50-3000mL (Optional Thickened glass axis compatible with 3L evaporating flask)
Motor Type	Brushless DC motor
Speed Range	20-280rpm
Display	LCD (speed, temperature, time)
Direction of Rotation	Clockwise and counterclockwise
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	water: ±1°C oil: ±3°C
Evaporation capacity	Max. 1.56L/h (H <sub>2</sub> O)
Heating Power	1300W
Lift stroke	Motorized 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, 50/60Hz
Power	1400W

# Optional Add-ons

## Distillation System Connection (For RE100-Pro&RE100-S)



### C410 Chemistry-design diaphragm pump

#### Specifications


Maximum Vacuum:13mbar  
 Work Mode: Continuous Operation  
 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	50

Noise:50dB

### Regulator /Moisture

Cat. No.	Description
18900186	Material: PVDF, PTFE, ABS, Borosilicate Glass, Stainless Steel



### Seals and other accessories

Cat. No.	Description	
18204186	vacuum seal (PTFE+Viton)	
18204187	Evaporation bottle spring Used with 18204186	
18900190	Evaporation flask clip(red) NS29/42	
18900188	Evaporation flask clip(green) NS24/40	
18900744	Rotary Evaporator transparent safety shield(RE100-Pro)	
18900789	Rotary Evaporator transparent safety shield(RE100-S)	
18204228	Flask holder(50mL-1000mL)	
	Flask holder(1L-20L)	

**Vertical**

Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask(NS29/32) Receiving flask(KS35/20)	1000mL	1700cm <sup>2</sup>
18900173	Evaporating flask(NS24/40) Receiving flask(KS35/20)	1000mL	1700cm <sup>2</sup>
18900166	(COATED)Evaporating flask(NS29/32) Receiving flask (KS35/20)	1000mL	1700cm <sup>2</sup>
18900174	(COATED)Evaporating flask(NS24/40) Receiving flask (KS35/20)	1000mL	1700cm <sup>2</sup>
18202410	Evaporating flask (NS 29/32) Receiving flask (KS 35/20)	1000mL	1200cm <sup>2</sup>
18900476	Evaporating flask (NS 24/40) Receiving flask (KS 35/20)	1000mL	1200cm <sup>2</sup>

**Diagonal**

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

**Heating Bath**

Cat. No.	Description	Volume
18900201	Heating bath for Rotary Evaporator RE100-Pro, 220V	5L
18900202	Heating bath for Rotary Evaporator RE100-Pro, 110V	5L
6033100210	LED heating bath, 100V-120/200-240V,50/60HZ	5L

**Heating Bath Lid**

Cat. No.	Description
18900547	heating Bath lid for RE100-S, improve distillation efficiency & ensure personal safety from liquid splash

## 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
18300122	3000mL	NS29/32
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
18900204	3000mL	NS24/40
18900563	20L	RE200-Pro



## Foam brake

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



## Glass axis

Cat. No.	Volume	Size
18100998	Glass axis	NS 29/32
18203431	Thickened glass axis	NS24/40
18300206	Glass axis	NS 24/40
18204253	Thickened glass axis	NS29/32



## 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
18900564	10L	RE200-Pro



## Distilling spider with 5 flasks(without flask)

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



## 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