

# RE200-Pro

## 20L Industrial Digital Rotary Evaporator

A promise of safety, reliability & highest level of efficiency for large volumes



### Features

- Large LCD digital display with heating temperature, rotation speed, clockwise&anticlockwise and time information
- One-click automatic motor lifting (stroke 180mm), smooth and silent
- Water/ oil heating bath with wide temperature range from RT to 180 °C
- Speed range from 10 to 150rpm, and interval operation in clockwise and anticlockwise directions for drying process
- Two-section vertical triple coil condensing tube with large area and strong evaporation capacity ensuring high-efficiency sample recovery
- The connector device allows for easy and quick installation of the evaporating flask
- PTFE double sealing ring with excellent sealing performance
- Switch valve for continuous collection without compromising the system vacuum and solvent distillation

### Applications

Suitable for pilot-scale production, large-scale application in biology engineering, pharmaceutical industry, chemical industry, beauty industry, medical industry and food processing.



Large LCD display



Overheating protection



Chemical resistance



### Two-section vertical triple coil condenser

large condensation area and strong evaporation capacity ensuring high efficient sample recovery



### Switching valve design

switch valve for continuous collection without compromising the system vacuum and solvent distillation



### Heating bath

- Water & oil bath
- Enhanced lifetime through exclusive use of corrosion-free stainless-steel
- It adopts special heat insulation structure design so the surface temperature is far lower than the temperature in the bath to avoid personnel burns

Specifications	RE200-Pro	
<b>performance</b>	Temperature range	Room temp. ~180°C (water and oil bath)
	Temperature control accuracy	Water: ±1°C Oil: ±3°C
	Rotation Speed	10~150rpm
	Ultimate vacuum	Less 2.6mbar
	Evaporation capacity	Max.4.5L/h(75% Alcohol)
<b>function</b>	Temperature control	Micro processor PID control
	Display	LCD (temperature/speed/clockwise and Anti-clockwise/time)
	Time Setting Range	0-999min
	Lift stroke	Motorized 180mm
	Safety features	Motor over-current protection, earth-leakage protection lifting overload protection, Boil-dry protection, Overheating protection
<b>components</b>	Evaporation flask	Round flask 20L
	Receiving flask	Round flask 10L with drain valve
	Condenser	Two-section vertical triple coil condenser, cooling surface 1.2m <sup>2</sup>
<b>specification</b>	Heating bath size	Ø 450×240mm
	Hose connection	Cooling/suction nozzle outer diameter 16mm, vacuum pump nozzle outer diameter 16mm
Dimension[D×W×H]		1160×600×1860mm
Voltage/Frequency		220V/50/60Hz
Power		4600w
Heating Power		4400w

# Optional Add-ons

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



C410



### 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	5

Noise:50dB

### 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	
18901001	Evaporation flask clip(Black) , NS24/40, Adapted to 3L/5L Evaporating flask	
18901002	Evaporation flask clip(Black) , NS29/32, Adapted to 3L/5L Evaporating flask	
18900871	Cooling water silicone hose line	
18900879	Secondary Condenser Component	
18900744	Rotary Evaporator Protective Shield Assembly (compatible with RE100-Pro)	
18900789	Rotary Evaporator Protective Shield (RE100-S)	

### Regulator /Moisture

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

## 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)Evaporatingflask(NS29/32) Receiving flask (KS35/20)	1000mL	1700cm <sup>2</sup>
18900174	(COATED)Evaporatingflask(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)Evaporatingflask(NS29/32) Receiving flask (KS 35/20)	1000mL	1700cm <sup>2</sup>
18900172	(COATED)Evaporatingflask(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



## 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, NS24/40
18900177	/	NS 29/42, NS24/40

## 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

## Connector

Cat. No.	Volume	Size
18300094	/	NS 29/32, NS24/40
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

