

# Rotary Evaporator

## RE100-Pro





Patented condenser with cooling surface 1,500 cm<sup>2</sup>

Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure

Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing

Large 5L water-oil heating bath with heating temperature range of RT to 180°C

Designed a detachable operating panel allows remote control

Easy to read large digital LCD screen displays heating temperature, rotation speed and timing

RE100-Pro LCD Digital Rotary Evaporator

**LCD display**



**Specifications**

Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Power [W]	1400
Motor Principle	DC brushless motor
Speed Range [rpm]	20-280
Speed Display	LCD
Reversible Direction of Rotation	Yes
Heating Temperature Range [°C]	RT-180
Heat Control Accuracy [°C]	± 1
Heat Output [W]	1300
Temperature Display	LCD
Lift	Motor
Stroke [mm]	150
Timer	Yes
Timer Display	LCD
Time Setting Range [min]	1-999
Overall Dimensions [ D × W × H mm]	465 × 457 × 583
Weight [kg]	15
Permissible Ambient Temperature [°C]	5-40
Permissible Relative Humidity	80%
Protection Class acc. To DIN EN60529	IP20
USB	Yes



### Features

- ❑ Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- ❑ Speed range from 20 to 280 rpm
- ❑ Large 5L water-oil heating bath with heating temperature range of RT to 180°C
- ❑ Heating bath with precise temperature control and adjustable safety circuit
- ❑ Designed a detachable operating panel allows remote control
- ❑ Patented condenser (cooling surface 1,500 cm<sup>2</sup>) with excellent cooling effect
- ❑ Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure
- ❑ Adjustable final position recognition to protect operator and sample against breakage
- ❑ Evaporating flask with an ejector, convenient to remove
- ❑ Available with timer function to precise control processing
- ❑ Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing
- ❑ PC can control and document all parameters via USB

### Accessories

#### Glassware

Compact vertical condenser for all standard distillations  
 Condenser type: vertical  
 Cooling surface: 1500 cm<sup>2</sup>  
 Cat. No: 18900165

Evaporating flask  
 NS 29/32

Receiving flask  
 KS 35/20

Cat. No.	Volume
18300116	50ml
18300117	100ml
18300118	250ml
18300119	500ml
18300120	1000ml
18300121	2000ml
18300122	3000ml



Cat. No.	Volume
18300107	100ml
18300108	250ml
18300109	500ml
18300110	1000ml
18300111	2000ml
18300112	3000ml

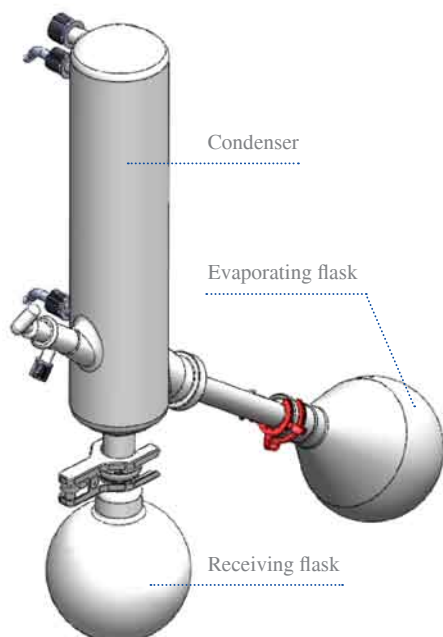
Spiders with 5 flasks  
 NS 29/32

Connector  
 NS 29/32

Cat. No.	Volume
18300102	50ml
18300103	100ml

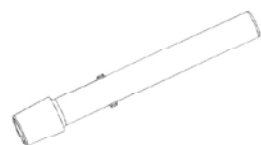


Cat. No.	Size
18300094	NS 29转NS 24
18300095	NS 29转NS 19
18300096	NS 29转NS 14





Foam brake, 250ml  
NS 29/32  
Cat. No: 18300093



Vapor tube  
NS 29/32  
Cat. No: 18300097



Seal  
Cat. No: 18300098

**Ordering Information**

P/N	Descriptions	Power supply	Cat. No.
RE100-Pro	Rotary Evaporator with set of glassware vertical	USA plug, 100-120V, 50/60Hz	611112010000
		Cn plug, 220-240V, 50/60Hz	611112120000
		Euro plug, 220-240V, 50/60Hz	611112220000
		UK plug, 220-240V, 50/60Hz	611112320000

Glassware				
Cat. No.	P/N	Descriptions	Volume	Size
18900165		Glassware vertical	1000ml	—

Flasks				
Cat. No.	P/N	Descriptions	Volume	Size
18300116		Evaporating flask	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
18300107		Receiving flask	100ml	KS 35/20
18300108			250ml	KS 35/20
18300109			500ml	KS 35/20
18300110			1000ml	KS 35/20
18300111			2000ml	KS 35/20
18300112			3000ml	KS 35/20
18300102		Spider	50ml	NS 29/32
18300103			100ml	NS 29/32
18300094		Connector	/	29*24
18300095			/	29*19
18300096			/	29*14
18300093			Foam brake	250ml
18300097		Vapor tube	/	NS 29/32

Additional Accessories				
Cat. No.	P/N	Descriptions	Power supply	
18100926		Seal, Airtight lip-seal from a PTFE compound with a built-in stainless steel spring		
18200743	C410	Chemical resistant Vacuum Pump	220-240V, 50/60Hz	
18200745	C410	Chemical resistant Vacuum Pump	100-120V, 50/60Hz	
18200746	F250	Recirculating chiller	220-240V, 50/60Hz	
18200746	F250	Recirculating chiller	100-120V, 50/60Hz	

Vacuum pump  
Cat. No: 18200743



Voltage [V]	110,220	
Frequency [Hz]	50/60	
Power [W]	95	
Maximum Vacuum [mbar]	13	
Pump Speed	0 mmHg	25 L/min
	100 mmHg	22 L/min
	200 mmHg	20 L/min
	300 mmHg	12 L/min
	400 mmHg	7.5 L/min
	550 mmHg	5 L/min
Suction Nozzle Size [mm]	8	
Motor speed [rpm]	1450	
Weight [kg]	7	
Noise [dB]	50	

Recirculating chiller  
Cat. No: 18200746



Model	F250	
Temperature range [°C]	-10~+40	
Temperature stability [°C]	±0.5	
Temperature display	LED	
Pump capacity flow rate [l/min]	15	
Pump capacity flow pressure [bar]	0.35	
Cooling capacity	20°C	0.25KW
	10°C	0.22 KW
	0°C	0.21 KW
	-10°C	0.18 KW
	-20°C	0.09 KW
Filling volume [L]	1.7 ~ 2.6	
Weight [kg]	27	
Dimensions [W × L × H, cm]	24 × 40 × 52	

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