

## 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 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 configuration on power failure.
- 5L flask capacity heating bath with stainless steel interior.
- Safety circuits prevent overheating at 220°C and these can be used for high temperature evaporations.
- Chemically resistant PTFE made sealing ring designed to be vacuum tight.
- USB interface for data documentation and control through PC.
- Vertical condenser with large surface area of 1500 cm<sup>2</sup> 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)<br>CS002440                                   |  |
| 18900188 | Evaporation flask clip(green)<br>CS002942                                 |  |

#### Specifications

|                                 | RE100-Pro                    |
|---------------------------------|------------------------------|
| Motor Type                      | Brushless DC motor           |
| Speed Range                     | 20-280rpm                    |
| Display                         | LCD(speed,temperature, time) |
| Clockwise and Anti-clockwise    | Yes                          |
| Heating Temperature Range       | Room temp. to 180°C          |
| Control Accuracy                | ±1°C                         |
| Heating Power                   | 1300W                        |
| Stroke Displacement             | automatic 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 50/60 Hz    |
| Power                           | 1400 W                       |



## Condenser



### Vertical

| Cat. No. | Glassware type   | Volume | Cooling surface     |
|----------|--|--------|---------------------|
| 18900165 | Evaporating flask(NS29/32)<br>Receiving flask(KS35/20)         | 1000mL | 1500cm <sup>2</sup> |
| 18900173 | Evaporating flask(NS24/40)<br>Receiving flask(KS35/20)         | 1000mL | 1500cm <sup>2</sup> |
| 18900166 | (COATED)Evaporatingflask(NS29/32)<br>Receiving flask (KS35/20) | 1000mL | 1500cm <sup>2</sup> |
| 18900174 | (COATED)Evaporatingflask(NS24/40)<br>Receiving flask (KS35/20) | 1000mL | 1500cm <sup>2</sup> |



### Diagonal

| Cat. No. | Glassware type  | Volume | Cooling surface     |
|----------|---|--------|---------------------|
| 18900163 | Evaporating flask(NS29/32)Receiving<br>flask(KS35/20)           | 1000mL | 1500cm <sup>2</sup> |
| 18900171 | Evaporating flask(NS24/40)Receiving<br>flask(KS35/20)           | 1000mL | 1500cm <sup>2</sup> |
| 18900164 | (COATED)Evaporatingflask(NS29/32)<br>Receiving flask (KS 35/20) | 1000mL | 1500cm <sup>2</sup> |
| 18900172 | (COATED)Evaporatingflask(NS24/40)<br>Receiving flask (KS35/20)  | 1000mL | 1500cm <sup>2</sup> |



| Cat. No. | Description             | Volume |
|----------|-------------------------|--------|
| 18900201 | Rotary Evaporator, 220V | 5L     |
| 18900202 | Rotary Evaporator, 110V | 5L     |

## 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 | 1000m  | 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 |



### 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 |

