

### 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 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<br>applications with highly abrasive<br>solutions |   |
| 18900190 | Evaporation flask clip(red)<br>CS002440   | R |
| 18900188 | Evaporation flask clip(green)<br>CS002942                                       | 1 |



### Specifications Motor type

Speed range

Display

Clockwise and

counter-clockwise Heating temperature

range

Temperature accuracy

Heating power

Lifting stroke

Timer

Time setting range

Dimension[D×W×H]

Weight

humidity Protection Class

USB Interface

Voltage

Power

### RE100-Pro

| Brushless DC moto |
|-------------------|
| 20-280rpm         |
|                   |

(speed,temperature, time)

Yes

Room temp. to 180°C

water: ±1°C oil: ±3°C

1300W

150mm by the motor Yes

1-999min

465×457×583mm 15kg

Permissible ambient temperature and 5--

5-40°C, 80%RH

IP20

Yes

100-120/200-240V 50/60 Hz 1400 W

# **ONiUAB**

## Condenser



### Vertical

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



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



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

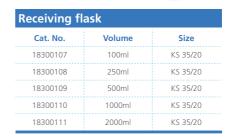




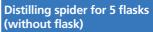
Glassware

### **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 | 1000m  | NS 24/40 |
| 18300205 | 2000mL | NS 24/40 |

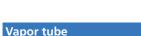






| Cat. No. | Volume | Size              |
|----------|--------|-------------------|
| 18900194 | /      | NS 29/32, NS24/29 |
| 18900177 | /      | NS 29/42, NS24/40 |

| Foam brake |        |          |
|------------|--------|----------|
| Cat. No.   | Volume | Size     |
| 18300093   | 250ml  | NS 29/32 |
| 18300207   | 250ml  | NS 24/40 |



| Cat. No. | Volume | Size     |
|----------|--------|----------|
| 18100998 | /      | NS 29/32 |
| 18300206 | /      | 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 |