

Rotary Evaporator

BL- RE-S10



Description

LED Digital Rotary Evaporator is a basic chemical laboratory instrument suitable for evaporation, distillation and separation of chemicals. It can be used as a multifunctional system in combination with vacuum pump, vacuum controller and circulating refrigerators to provide excellent distillation solutions in many laboratory applications.

Features

- 5L heating bath with a wide temperature range (room temp. to 180°C), independent temperature control, which can be used separately. Water/oil heating mode can be changed only through a switch.
- Manual lift combined with auxiliary lift for precise positioning of the glassware.
- 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 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process.
- Patented condenser (cooling surface 1200/1700cm² for selection), double helix condensing tube + center circular arc design.
- Adjustable immersion angle
- Patented double spring sealing ring
- Remote function provides PC control and data transmission.

Specifications

Model no	BL-RE-S10
Motor type	Brushless DC motor
Speed range	20-200rpm
Display	LED (speed, temp, time)
Clockwise & anti clockwise	Yes
Heating temp range	RT to 180°C
Control accuracy	Water: ±1°C, oil: ±3 °C
Heating power	1010W
Stroke displacement	Manual 110mm + auxiliary 100mm
Interval time setting range	1-999s
Dimensions (DxWxH)	Main Unit: 440×320×450mm Heating Bath: 300x300x240mm
Weight	Main unit : 7 kg heating bath: 3 kg
Permissible ambient temp	5-40°C
Relative humidity	80% RH
Protection class	IP20
USB Interface	Yes
Voltage/frequency	100-120/200-240V, 50/60Hz
Power	1100W

Standard Accessories

Vertical			
Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask(NS29/32) Receiving flask(KS35/20)	1000L	1700cm ²
18900173	Evaporating flask(NS24/40) Receiving flask(KS35/20)	1000L	1700cm ²
18900166	(COATED)Evaporating flask(NS29/32) Receiving flask (KS35/20)	1000L	1700cm ²
18900174	(COATED)Evaporating flask(NS24/40) Receiving flask (KS35/20)	1000L	1700cm ²
18202410	evaporating flask (NS 29/32) Receiving flask (KS 35/20)	1000L	1200cm ²

Diagonal

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

Heating Bath

Cat. No.	Description	Volume
18900201	Rotary Evaporator, 220V	5L
18900202	Rotary Evaporator, 110V	5L
18101888	LED heating bath, 220V	5L
18101936	LED heating bath110V	5L

Evaporating Flak

Cat. No.	Volume	Size
18300116	50mL	NS 29/32
18300117	100 mL	NS 29/32
18300118	250 mL	NS 29/32
18300119	500 mL	NS 29/32
18300120	1000 mL	NS 29/32
18300121	2000 mL	NS 29/32
18300655	50 mL	NS24/40
18300201	100 mL	NS24/40
18300202	250 mL	NS24/40
18300203	500 mL	NS24/40
18300204	1000 mL	NS24/40
18300205	2000 mL	NS24/40

Receiving flask

Cat. No.	Volume	Size
18300107	100mL	KS 35/20
18300108	250 mL	KS 35/20
8300109	500 mL	KS 35/20
8300110	1000 mL	KS 35/20
1 8300111	2000 mL	KS 35/20