

ROTARY EVAPORATOR



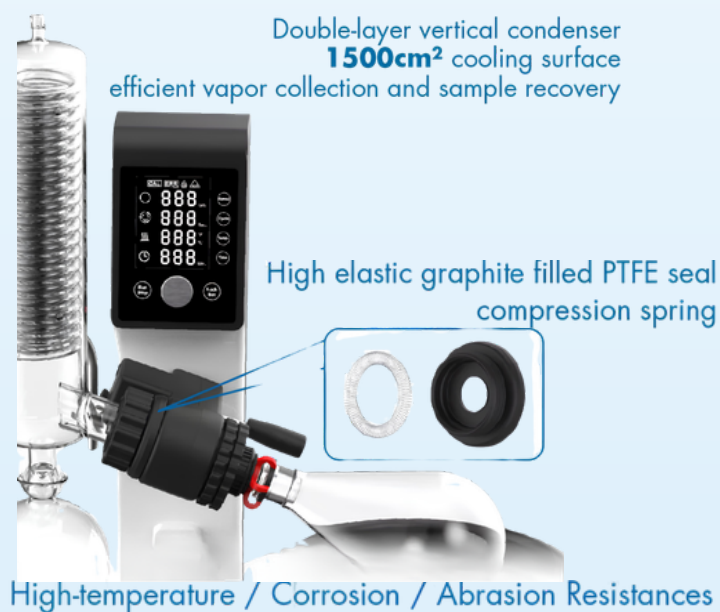
BR-RE-1000 ROTARY EVAPORATOR

The Rotary Evaporator, also known as rotovap, is a laboratory equipment for liquid distillation and purification. It is widely used in chemical, pharmaceutical, biotechnology industries and R&D labs to separate and concentrate samples. It usually works with Diaphragm Vacuum Pump and Recirculating Chiller as a whole system to meet the production and experimental requirements.

FEATURES

- Large LED display to easily set and monitor process parameters
- The touch keys and adjustable knob let you easily set the rotation speed, heating temperature, operation time, and cycle times (clockwise and/or counterclockwise cycles)
- The device also comes with a mistouch prevention lock to avoid changes through accidental touch
- The adjustment knob can be turned fast or slow to change parameters rapidly or accurately
- The 5L water-oil heating bath with heating temperature range of up to 180°C (oil)
- The device comes with a Brushless DC motor with rotation speeds ranging from 20 to 320 rpm
- Comes with PID temperature controller, overheat protection, dry-burning protection, and automatic power-off functions
- Double-layer vertical condenser with 1500cm² cooling surface for efficient vapor collection and sample recovery

- High elastic graphite filled PTFE seal and compression spring bring excellent sealing as well as high-temperature, corrosion, and abrasion resistances
- Manual lift for precise positioning of the glassware; the lifting height ranges up to 180mm and the tilt angle range is 0-360° (evaporation flask can be positioned on the left or right side)
- Ejection mechanism ensures easy removal of evaporating flask



TECHNICAL PARAMETERS

MODEL	BR-RE-1000
Maximum evaporation flask size	3L
Input Voltage,	AC 100V-240V, 50/60Hz
Motor Type	Brushless DC Motor
Max. Input Power of - Main Unit [W]	48W
Heating power(W)	1300W
Temperature Range [°C]	Room temp.+5°C~90°C (Water), Room temp.+5°C~180°C (Oil)
Control Accuracy [°C]	Water±1.5°C, Oil ±3°C
Rotation speed [rpm]	20 – 320 RPM
Speed Control/Increment[rpm]	Stepless speed Control. Increment: 1RPM
Clockwise and An-clockwise	Yes
Rotation time interval	5-999 s
Time Setting range	1-999 min
Tilt Angle of Evaporation flask	0-360°
Lifting Method	Manual
Stroke Displacement [mm]	180mm
Vacuum Degree	Max. 4mbar (3mmHg)
Heating Bath Capacity	Manual
Stroke Displacement [mm]	180mm
Vacuum Degree	Max. 4mbar (3mmHg)
Heating Bath Capacity	5L
Display	LED
[DIN_EN60529] Protec on Class	IP42
Overload Protection	Yes
Over-temperature Protection	When the temperature of PT1000 temperature sensor is 5°C more than the set temperature, the heating automatically shutt off
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%
Dimension(W*D*H) [mm]	Main Unit: 400*320*540mm Heating bath: 300*300*205mm
Weight (without glassware) [kg]	Main Unit: 8.6KG; Heating Bath: 3kg

BR BIOCHEM LIFE SCIENCES PVT. LTD.

06, S.F. Gopal Nagar , Fateh Nagar, New Delhi-110018 ,India

Ph: +91 11 43033662/4, +91 8860082777

EMAIL: info@brbls.com | www.brbls.com



We are available on

