



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 elasc graphite filled PTFE seal and compression spring bring excellent sealing as

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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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) Ejecon mechanism ensures easy removal of evaporation flask.

Technical Specifications :

Specification	Details
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: 1 RPM
Clockwise and Anti-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]	180 mm
Vacuum Degree	Max. 4 mbar (3 mmHg)
Heating Bath Capacity	5L
Display	LED
[DIN_EN60529] Protection Class	IP42
Overload Protection	Yes

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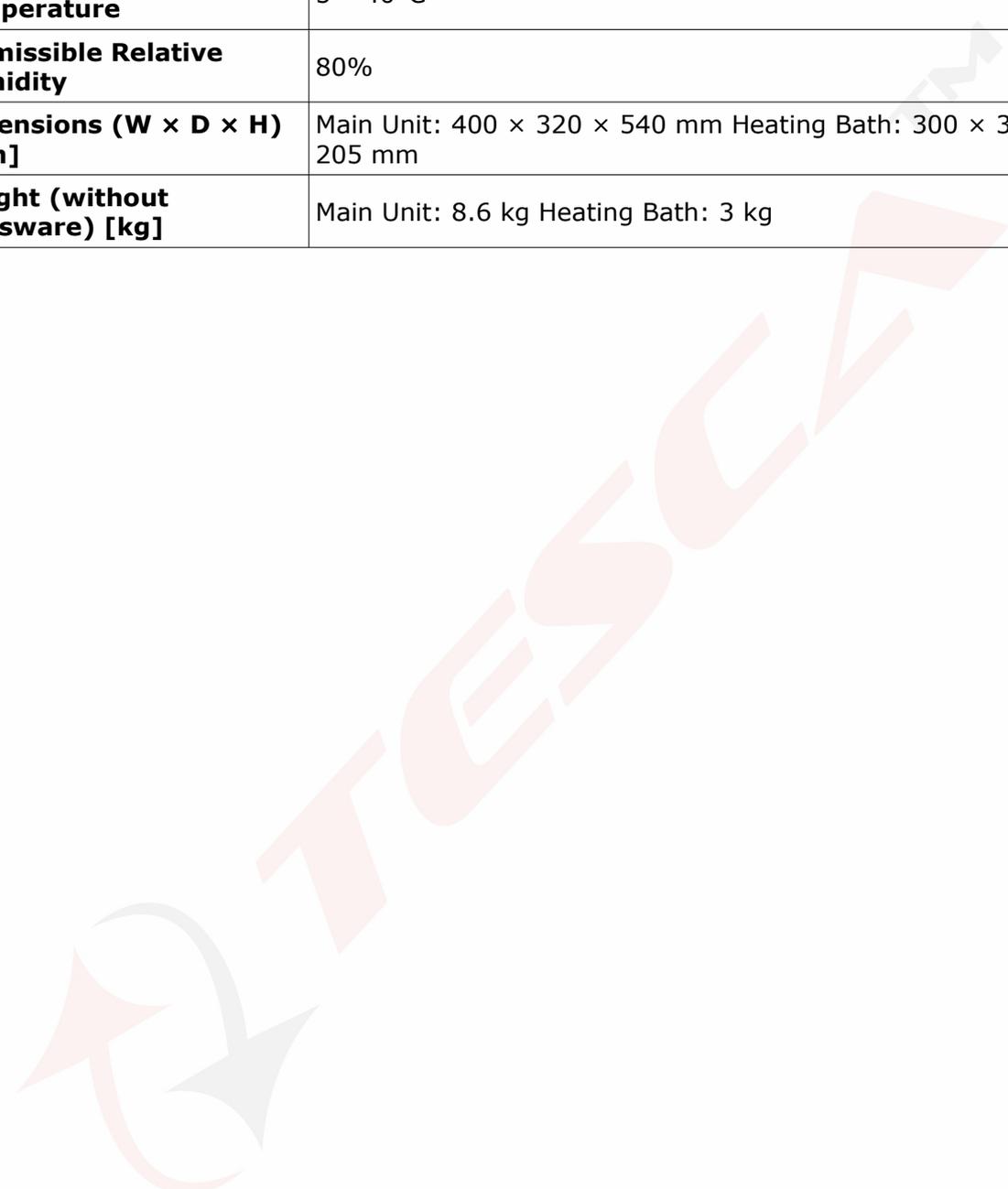
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Specification	Details
Over-temperature Protection	When the temperature of PT1000 sensor is 5°C more than the set temperature, the heating automatically shuts off
Permissible Ambient Temperature	5 – 40°C
Permissible Relative Humidity	80%
Dimensions (W × D × H) [mm]	Main Unit: 400 × 320 × 540 mm Heating Bath: 300 × 300 × 205 mm
Weight (without glassware) [kg]	Main Unit: 8.6 kg Heating Bath: 3 kg



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