

Thermomac

Rotary Evaporator

RE SERIES

The equipment for purification distillation test rotates and shapes a thin film in negative pressure condition by heating, evaporates efficiently, and then condenses and recollects solvent to purify and separate. The products can be made into system devices with Multi-purpose Circulating Water Vacuum Pump, Diaphragm Vacuum Pump, Low Temperature Circulating (vacuum) Pump, Circulating Cooler, Constant Temperature Circulator, Low Temperature Cooling Liquid Circulating Pump.

Characteristics:



- Double sealing with Teflon (PTFE) and fluoros rubber to ensure high vacuum degree.
- The air extraction nozzle of condenser is set down, and it is safer after connection with vacuum pipe.
- Building block design is easily to be extended.
- Easy operation of lifting, move up and down smoothly and easy to lock.
- Dedicated electric machinery, worm and gear drive steadily.
- Speed display , operate visually and easily.
- The temperature adopts PID control, which ensures accurate temperature control.
- The separation of bath and the mainframe makes configure flexible.
- 2 years warranty



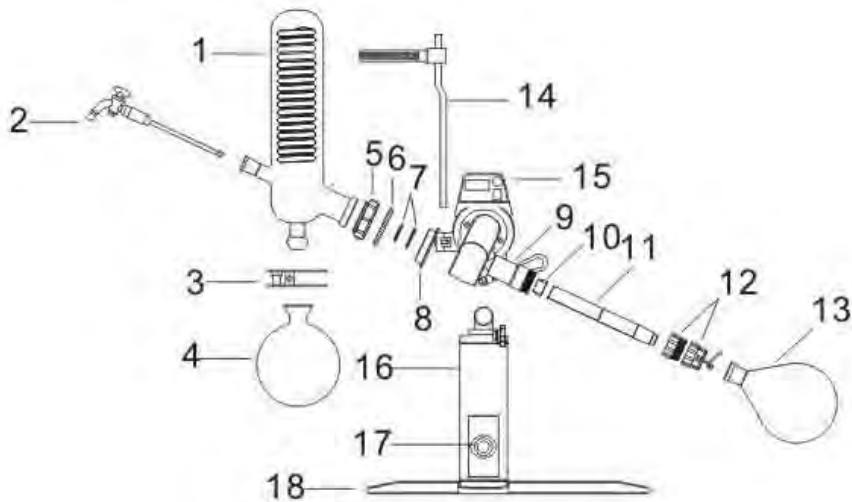
Technical Specifications:

| | | | |
|----------------------------|-----------------------------|--|-------------------------------|
| Model | | RE1000V | RE1000L |
| Ambient temperature (°C) | | 5 ~ 35 | |
| Rotary speed (rpm) | | 10 ~ 180 | |
| Evaporating speed (ml/min) | | 20 | |
| Achievable vacuum (Pa) | | Below 3mmHg | |
| Temperature range (°C) | | Room temp ~ 100 | |
| Temperature display | | Keypad input Digital display | |
| Speed-setting | | Knob setting, Digital display | |
| Power Supply (V/Hz) | | 220/50 | |
| Rotary motor(W) | | 25 | |
| Heater wattage (kW) | | 1.5 | |
| Condensing tube | Type | Vertical type water refrigerating | Lean type water refrigerating |
| | Condenser (m ²) | 0.12 | |
| Rotary bottle (L) | | 0.5 ~ 2 | |
| Collecting bottle (L) | | 1 | |
| Vacuum sealing | | Double sealing rings made of Teflon + Vinton materials | |
| Water Bath size (mm) | | φ260×140 | |
| Water Bath volume(L) | | 7.4 | |
| Function of lifting table | | Weight balancing Gliding elevating+ manual lifting | |
| Elevating stroke (mm) | | 100+150 | |
| Dimensions(mm) | | 560L×320W×660H | 750L×320W×540H |
| Weight (kg) | | 9.5 | |

Ordering Information:

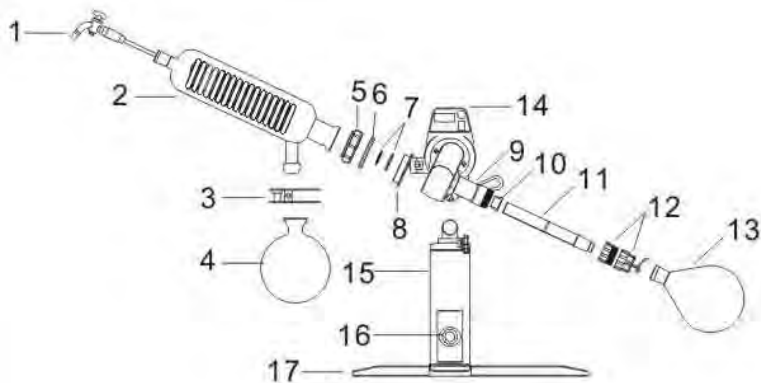
| Code | Description |
|-------------|--|
| 004-001-001 | Presented as a set with the user manual, warranty, vacuum seal ring, water bath, glass material set, adjusting screw and cross screwdriver |
| 004-002-002 | Presented as a set with the user manual, warranty, vacuum seal ring, water bath, glass material set, adjusting screw and cross screwdriver |

Spare Part Information:



1. Glass condansator
2. Glass feeding valve
3. Receiving flask clamp
4. Receiving flask
5. Condenser locknut
6. Spring ring
7. Vacuum sealing ring
8. Bearing end cap
9. Stainless steel rotation axis
10. Tapered sleeve

11. Glass rotation axis
12. Evaporating flask quick-release nut
13. Evaporating flask
14. Condenser support + Rubber bracket
15. Motor shield
16. Lifting column
17. Lifting handle
18. Base



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