

ROVA450 – Laboratory Rotary Evaporator



 Max. temp.
180°C

Download
Catalogue



t° LIMITER

- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- High borosilicate glass and PTFE high temperature resistance and corrosion resistance
- Digital display of both rotation speed and heating temperature allows for optimal control of all distillation processes
- 5L heating bath with wide temperature range from room temperature to 180°C. Water/Oil heating mode can be changed only through a switch.
- Overheating protection temperature at 220°C
- Speed range from 20 to 320 rpm
- Integrated button for independent turn of water bath heating
- Taster for water bath temperature locking
- Receptacle balloon with a suitable grinder and a mechanism for connecting to the condenser
- Heating bath with precise temperature control and adjustable safety circuit
- Condenser (cooling surface 1,600 cm²) with excellent cooling effect
- Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing



Temperature range RT+5°C to 180°C

High temperature uniformity,



Intelligent PID Temperature Control

Digital microprocessor PID controller with integrated auto diagnostic system and error indicator



Speed range from 20-320rpm



Condenser (cooling surface 1,600 cm²)

Excellent cooling effect



Manual lifting

Manual lifting ensures precise handling and prevents damage, integrates the lifting function in case of power failure

Evaporator type	ROVA450
SKU	PRO4959
Motor Type	Brushless DC Motor
Temperature Range [°C]	Room temp.+5°C~99°C (Water), Room temp.+5°C~180°C (Oil)
Temperature resolution	1°C
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 Anti-clockwise	Yes
Rotation Time Interval	5-999 s
Time Setting Range	1-999 min
Tilt Angle of Evaporation flask	0-360°
Standard evaporation flask	1 L
Lifting method	Manual
Stroke Displacement [mm]	180mm
Vacuum Degree	Max. 4mbar (3mmHg)
Heating Bath Capacity	4L
Display	LED
[DIN_EN60529] Protection 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 shuts off
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%
Dimensioni[mm]	510*490*345
Weight (without glassware)	Main Unit: 8.6KG
Max. Input Power of - Main Unit [W]	48W
Heating Power [W]	1400W
Optional accessories	Flasks, vacuum pumps, vacuum controller,
Input Voltage, Frequency	AC 100V-240V, 50/60Hz



Wolf bottle



Vacuum pump optional



Chiller Vacuum Pump Vacuum Controller Rotary Evaporator

ROVA900 Schematic Configuration with optional devices

Please note
If this Vacuum Evaporator does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts



Laboratory Equipment production and Distribution

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