

# R ROTARY EVAPORATOR



## ROVA-2L/3L, Rotary Evaporator

Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected by heating from the accessory waterbath. They are the ideal tools for many everyday laboratory applications, including:

- Concentration of solutions
- Reclamation of solvents
- Vacuum drying of wet solids
- Degassing liquids

The rotating system is fitted with a special seal that allows the apparatus to be placed under vacuum. This reduces the boiling point of the solvents and removes the vapour phase making the process much more efficient. Each unit is also provided with an easy to use vacuum release and a continuous feed system, which allows more solvent to be drawn into the rotating Florence flask without the need to stop the operation.

**Main body:** button with pressure, 0-150mm lifting and falling in a high speed automatically. The rotating speed: 20-200r/min; Digital display of the speed; power: 40W. Heating chamber: Teflon compound chamber, it is a closed heater, power: 1.4 KW; Temperature is controlled automatically, digital display water temperature, room temperature ~ 90°C Total power: 1.5KW, voltage: 220V 50Hz Vertical condenser glassware. high-temperature-tolerant and high-quality glass. Double-circuit integrated ball joint with Receiving flask. Material In-flow: Material in-flow valve is connected with PTFE tube. Sealed gasket: fluorin rubber and vacuum; Main components: stainless aluminum, special ABS, high-temperature-tolerant and high quality glass having a good feature and long duration.

Model	ROVA-2L	ROVA-3L
Volume (ml)	25-2000	50-3000
Heater	1400W	
Speed	20-200 rpm	
Water bath temp.	Up to 90°C	
Power	230V / 50Hz	

## Accessories: CVP-13, Vacuum Pump

Quiet operation, no vibration.

Long life PTFE diaphragm.

Vacuum regulator for easy adjustment.

Integral catch pots.

No maintenance dry system.

The vacuum pump is a powerful, chemically resistant pump which may ideally be employed for distillations with the rotary evaporators. Also useful for other applications.

Includes vacuum regulator and catch pots to protect pump from liquid ingress, as standard.

## Technical specification

- Vacuum 13 mbar
- Flow rate 25 liter/min
- Net weight 7kg
- Dimensions: W270xD144xD190mm
- Electrical supply 230V, 50Hz, 150W



## WBL-100, Recirculation Cooler

- Sufficient cooling power to run 2 evaporators simultaneously.
- Digital setting of temperature.
- Quiet operation.
- Powerful 450W cooling capacity.

The recirculating cooler offers powerful cooling for your condenser by accurately controlling the temperature of your cooling medium down to -20°C. A recirculating cooler is not only much more powerful than conventional water cooling, but is also an ideal alternative when water consumption is an issue for economical, environmental or practical reasons. For more information please refer to the recirculating cooler section of this catalogue.

## Technical Specifications

- Cooling capacity 450W at 10°C
- Temperature range -30 to +100°C
- Control accuracy ±1°C
- Bath capacity 9 litres
- Pump rate 9 liter/min
- Net weight 32kg
- Dimensions: W200xD450xH630mm
- Electrical supply 230V 50Hz

