

# Vertical Condenser Rotary Evaporator (5 Litre)



## Vertical Condenser Rotary Evaporator LRE-A10

Rotary evaporator LRE-A10 is a distinctively fabricated distillation unit equipped with optimal automatic modules with vacuum control. Vertical glass condenser with higher boiling point for effective distillation of solvents. Equipped with three different types of condensers for different operational needs. With automatic water bath filling, maximum solvent solvent recovery rate, static temperature control range, it is perfect for complex distillation processes.

### Features

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- Universal water heating bath
- Vertical glassware
- In built vacuum meter for quick vacuum reading
- Ergonomically designed
- Touch screen LCD display for smooth user control
- Motorized flask lift with safety automatic release of evaporating flask in case of power failure
- Chemical resistant PTFE seals
- Automated water bath filling
- Rotation speed : 0 ~ 110 rpm
- ISO and CE certified

### Applications

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Used for flavor extraction in food industry, solvent removal in separation and recycling chemical / educational / fuel / environmental industry , to determine sample concentration , HPLC and natural product sample preparation , drying down powders (using test tube adapter) and trapping hazardous waste liquid.

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## Specifications

Model	LRE-A10
Evaporating flask	5 L + 1 L
Optional evaporating flask	1 L, 2 L, 3 L
Receiving flask	3 L
Max evaporating speed ( H <sub>2</sub> O )	2 L / hr.
Condensing surface	0.32 m <sup>2</sup>
Lifting type	Automatic lifting
Condenser type	Vertical condenser
Rotation speed	0 ~ 110 rpm
Reachable vacuum rate	< 133 Pa
Bath power	2.2 kW
Heating power	2300 W
Rotation power	40 W
Static temp control range and wave	RT – 99 °C , 150 °C ± 2 °C
Bath size capacity	15 L
Material	SUS 304
Certification	ISO and CE
Power	220 V / 60 Hz
Dimension	740 × 440 × 960 mm
Weight	66 kg

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## Safety Features

Model	LRE-A10
Over current protection	Have
No – spark electric control	Have
Ex- proof upgrade	Ex-proof modification on motor, rotation & heating control, lower heating power density, equip dry heat and overheat cut-off protector

## Functional Configurations

Model	LRE-A10
PTFE discharge	PTFE
Charging valve	Glass
Digital display	Bath Temperature , Rotation speed
PTFE seal assembly	Have
Continuous charge	Have
Taper joint PTFE Sleeve	Have
Continuous receiving	Have
Frequency conversion speed control	Have
Vacuum meter	Have
Throttle valve for vacuum	Have
Flange Joints	Have
Low noise	Have
Bath lift	Have
Bumping system	Have
Cold trap	Optional
Water bath lid	Optional
Ex-proof motor	Optional
Thermometer neck for vapor	Optional
Evaporating flask unload handler	Optional
Optional evaporating flask	250 ml, 1 L, 3 L