



Vertical Condenser Rotary Evaporator

(50 Litre)

labodam

www.labodam.com // info@labodam.com

Vertical Condenser Rotary Evaporator LRE-A13

Rotary Evaporator LRE-A13 is a high quality rotary evaporator to meet the distillation needs of laboratory applications. Its optimized bath volume allows for fast heat-up and the condenser has glass tubes that utilize the 15000 cm² surface extremely efficiently. It is crafted for minimal space requirement and is integrated with heating bath, automatic motorized lift and bottom discharge receiving flask making it ideal for even complex distillation processes. It delivers reliable and reproducible process results that are usually reserved for far more costly systems

Features

- » Touch screen LCD display for smooth user control
- » Receiving flask equipped with bottom discharge
- » Solvent resistant PTFE vacuum seal
- » Motorized lift
- » Cooling surface of 1500 cm²
- » Durable glass charging valve
- » Automated water bath filling
- » Anti-corrosion cork preventing contamination of solvent
- » Frequency conversion speed controller
- » Bumping tube to prevent unexpected solution into receiving flask
- » Wearable and anti-corrosion sealing system
- » Safety control circuits
- » Easy , safe and user friendly operation
- » ISO and CE certified

Applications

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

Vertical Condenser Rotary Evaporator LRE-A13

Specifications

Model	LRE-A13
Evaporating flask	50 L / F 125
Optional Evaporating flask	10 L , 20 L , 30 L , 50 L
Receiving flask	20 L + 10 L , bottom discharge
Max evaporating speed (H ₂ O)	10 L / hr.
Condensing surface	1.5 m ²
Lifting type	Automatic lifting
Condenser type	Vertical condenser
Rotation speed	0 – 110 rpm
Reachable vacuum rate	< 133 Pa
Bath power	9 kW
Heating power	9000 W
Rotation power	400 W
Static temp control range and wave	RT – 99 °C , 150 °C ± 2 °C
Bath size capacity	70 L
Material	SUS 304
Certification	ISO and CE
Power	220 V / 60 Hz
Dimensions	1200 x 800 x 2200 mm
Weight	180 kg

Vertical Condenser Rotary Evaporator LRE-A13

Safety Features

Model	LRE-A13
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-A13
PTFE rotary seal assembly	Have
PTFE discharge valve	PTFE
Digital Display	Bath Temperature , Rotation speed
Taper joint PTFE sleeve	Have
Vacuum gauge	Have
Continuous receiving	Have
Bumping system	Have
Charging valve	Glass
Water bath lid	Optional
Cold trap protection system	Optional
Thermometer neck for vapor	Optional
Evaporating flask unload handler	Optional
Ex proof motor	Optional
Overall flange joints	Have
Frequency conversion speed controls	Have
Throttle valve for vacuum	Have
Optional evaporating flask (baffles on request)	10 L, 20 L , 30 L