

## Rotary evaporator EV400VAC-V

### motor lift, colour touch screen, vacuum control

The technical solutions adopted for this line of evaporators introduce a new concept in routine distillation/evaporation processes: safety, efficiency and durability to support the work of laboratory users!

With an innovative and ergonomic design, the EV series rotary evaporators include digital color display to monitor and control rotation speed and temperature, motorized vertical lift, evaporation flasks, sample line addition via PTFE valve and can be completed with the vacuum and cooling accessories included in the range to achieve maximum process efficiency. The autonomous heating bath guarantees maximum safety in operations and ease of maintenance.

#### Main applications:

Solvent recycling  
Distillation of the solvent  
Powder drying  
Chemical synthesis  
Extraction  
Research  
Concentration of the active agent  
Vacuum distillation of sensitive substances  
Separation of the liquid mixture

#### Technology & Design

- Digital rotation speed control and temperature display ensure stability and accuracy to individual operations
- Trouble-free operation and long life
- The PTFE sealing ring guarantees excellent elasticity and resistance to high temperatures, and to corrosion by and solvents
- Addition of samples via PTFE valve which guarantees high efficiency and ease of use
- Automatic protection against lifting in the event of a power failure
- Preloaded solvent library

#### Safety and ease of use

- The autonomous heating bath guarantees maximum safety and ease of maintenance
- Motorized vertical lifting (depending on the model)
- Wide range of evaporating flasks
- Self-calibration function and wide temperature range control: from room temperature up to 230°C
- Automatic shutdown of heating in dry bath conditions
- Innovative design to prevent corrosion and splashes
- Removable front panel

#### Technical data



## MAIN UNIT FEATURES

Sample volume range (ml)	50 - 3000
Rotation speed range (rpm)	20-300
Display	Color touch
Lift	Motorised
Lifting stroke (mm)	160
Head tilt angle (°)	0-60
Flask rotation	50 - 3000 ml
Condenser	vertical or diagonal
Motor Power W	40
Automated lift up in case of electric part failure:	Built-in
Cooling surface (cm <sup>2</sup> )	1200 Standards 1500 Optional
Clockwise Counter / Rotation	Yes
Clockwise / counterclockwise rotation	Yes
Gradient distillation	Yes
Built-in vacuum controller	Yes
Solvents library	Yes
Vapor temperature	Optional
Automatic distillation	Optional

## HEATING BATH FEATURES

Temperature range (°C)	Ambient - 230
Temperature controller mode	P.I.D. with digital display
Bath material	Stainless Steel with PTFE Coating
Temp. control accuracy (°C)	±1 (Acqua) ±2 (Olio)
Heating Power (W)	1300
Bath capacity (L)	5

## GENERAL FEATURES

Protection class (IP)	21
Dimensions* (LxPxH cm)	44x56x90
Gross Weight* (Kg)	29
Power supply voltage	230V 50/60 Hz
	110V 60Hz
Fuses	10
Consume W	150

\*including glassware

Code	Description
<b>L6120340</b>	Rotary evaporator EV400VAC-V

Code	Description
	motor lift, colour touch screen, vacuum control