ROTARY EVAPORATOR

RV-5A

THE NEW GENERATION OF VACUUM EVAPORATION INSTRUMENTS

Precise, automated, and reliably engineered for modern laboratories.



Ideal for applications in

- PHARMACEUTICAL
- CHEMICAL
- COSMETIC
- FOOD
- ACADEMIC SECTORS

ARGO LAB

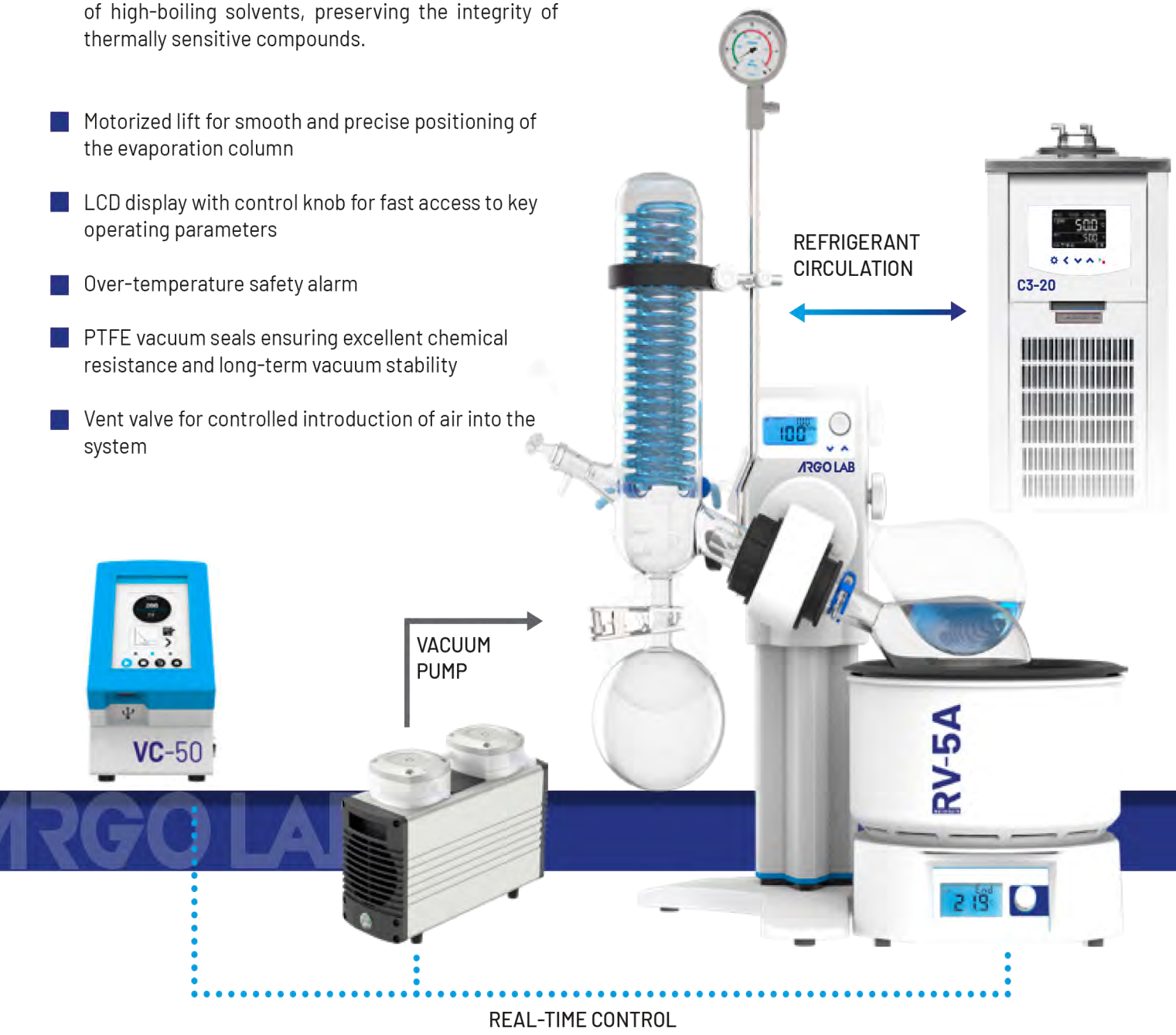
RV-5A EFFICIENT AND CONTROLLED EVAPORATION

The RV-5A rotary evaporator is engineered to deliver high performance, intuitive operation, and long-term reliability across research, quality control, and production environments.
With its motorized lift, clear LCD interface, and precise control of speed and temperature, RV-5A ensures efficient, safe, and highly reproducible distillation workflows.

Designed for demanding applications in the pharmaceutical, chemical, cosmetic, food, and academic sectors, RV-5A represents a new benchmark in vacuum evaporation technology.
Achieving an evaporation rate of up to 22 ml/min, the system enables rapid processing while maintaining consistent results.

The 20–300 rpm adjustable rotation and minimum achievable vacuum of 8 mbar allow gentle evaporation of high-boiling solvents, preserving the integrity of thermally sensitive compounds.

- Motorized lift for smooth and precise positioning of the evaporation column
- LCD display with control knob for fast access to key operating parameters
- Over-temperature safety alarm
- PTFE vacuum seals ensuring excellent chemical resistance and long-term vacuum stability
- Vent valve for controlled introduction of air into the system



Available in two versions

WATER BATH (Ambient +5 °C ... 99 °C):
ideal for delicate evaporations

OIL BATH (AMBIENT +5 °C ... 180 °C):
for high-boiling solvents

Both baths feature a 5-liter capacity, PTFE internal coating, and a digital LCD temperature controller.

Each complies with **Safety Class 3.1 (DIN 12880)** thanks to an integrated maximum-temperature limiter (adjustable on the oil bath, fixed on the water bath).

VACUUM PUMP **VP-20**



Reliable, quiet, and built for demanding laboratory environments, the VP-20 diaphragm pump is the ideal vacuum source for the RV-5A.
Featuring a PTFE head and diaphragm, it provides exceptional chemical resistance and delivers a stable vacuum down to 8 mbar, enabling fast, smooth, and controlled distillations.
The integrated Clean/Dry valve keeps the system efficient and dry throughout operation.
Engineered for continuous, low-noise performance, the VP-20 combines professional-grade capability with ease of use, ensuring consistent results and extended operational life.

Flow rate (l/min)	Ultimate vacuum (mbar)	Speed (rpm)	Wetted material	Power (W)	p/n
20	8	1450	PTFE, FFPM	120	**41203152**



VACUUM CONTROLLER **VC-50**

Digital precision for complete vacuum control.
The VC-50 is a next-generation vacuum controller equipped with a high-sensitivity ceramic capacitive sensor, providing accurate and reliable readings independent of gas type.
Its touchscreen LCD interface allows effortless operation in either automatic or manual mode, while the programmable solenoid valve ensures precise pressure regulation throughout each distillation phase.

Connection (mm)	Inlet pressure (mbar)	Vacuum Sensor	Control Range (mbar)	Display	p/n
8, PTFE	1 ... 1066	Ceramic	1 ... 1013	LCD	**41203162**

CHILLER **C3-20**

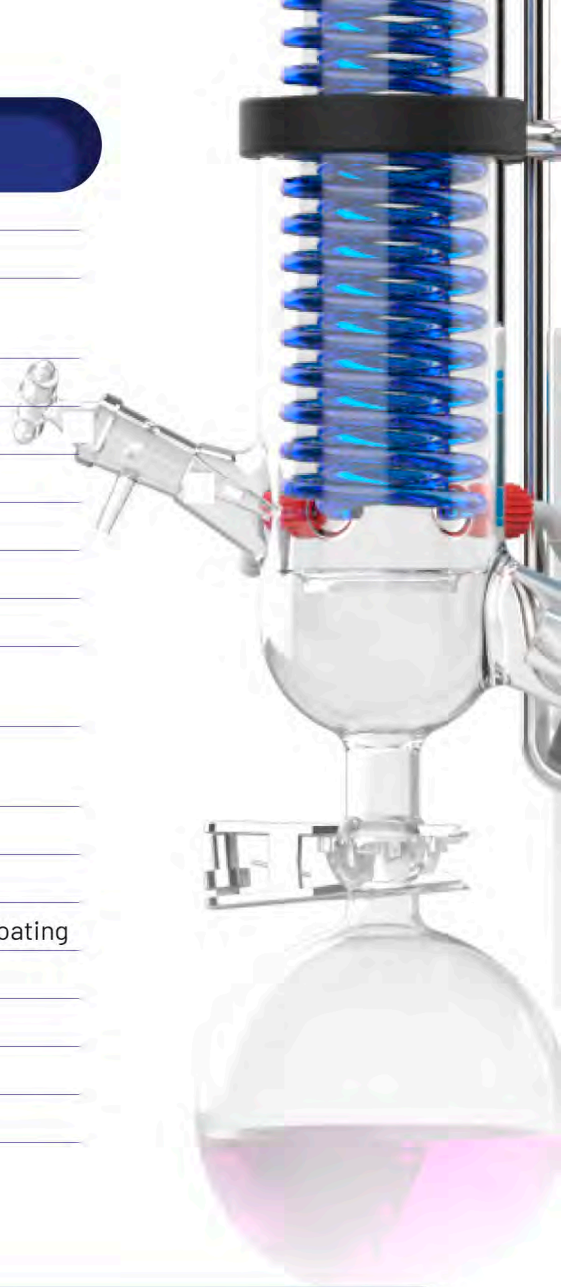


Compact, quiet, and high-performance, the C3-20 refrigerated circulator delivers stable, efficient cooling for the condenser throughout the evaporation process.
With a temperature range from -20 °C to +20 °C and a recirculation pump providing 6 L/min with a 9 m head, it ensures a continuous and uniform coolant flow.
Designed for safe, silent, and dependable operation, the C3-20 enhances system efficiency while reducing energy consumption and thermal load.

Volume (L)	Temperature Range	Max head (m)	Flow rate (l/min)	Cooling capacity at 10 °C (W)	Power (W)	p/n
5	-20° ... 20°C	9	6	530	550	**41203112**

DATA SHEETS

Rotation speed	20–300 rpm
Temperature range	Water: RT+5 °C ... +99 °C Oil: RT+5 °C ... +180 °C (optional)
Evaporation rate	22 ml/min
Ultimate vacuum	8 mbar
Speed control	LCD display with control knob
Temperature control	LCD display with control knob
Lift mode	Motorized
Motor	Brushless DC
Condenser	Coil type / Surface area 0.15 m^2
Standard flasks	1000ml evaporating (NS 29/32) 1000ml receiving (KS 35/20)
Vacuum seal	PTFE / Teflon coated
Bath dimensions	ø230 mm × 130 mm
Bath material	Stainless steel with anti-corrosion PTFE coating
Heating power	RV-5A: 1000 W
Power supply	220V, 50/60Hz
p/n RV-5A	**41203012**
p/n RV-5A – Oil Bath	**41203022**



STANDARD GLASSWARE AND FLEXIBILITY FOR EVERY NEED

The RV-5A is supplied with a 1000 ml evaporating flask (NS 29/32 conical joint) and a 1000 ml receiving flask (KS 35 spherical joint) — the ideal standard configuration for most laboratory applications. This setup ensures an immediate, stable, and efficient workflow.
To accommodate more specific requirements, a full range of alternative flask sizes and volumes is available, offering maximum flexibility even in complex or high-throughput processes.

Evaporating Flasks	Joint	p/n
50 ml	NS 29/32	41203312
100 ml	NS 29/32	41203322
250 ml	NS 29/32	41203332
500 ml	NS 29/32	41203342
1000 ml	NS 29/32	41203352
2000 ml	NS 29/32	41203362

Receiving Flasks	Joint	p/n
1000 ml	KS 35	41203212
100 ml	KS 35	41203222
250 ml	KS 35	41203232
500 ml	KS 35	41203242
2000 ml	KS 35	41203252

RV_V1.0_12-25_DV-ENG

FSC® www.fsc.org MIX Paper | Supporting responsible forestry FSC® C102765
CE
WARRANTY 2 YEARS
GIORGIO·BORMAC s.r.l.