



ROVA93 – Laboratory Rotary Evaporator


 Max. temp.
180°C

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t° LIMITER



Temperature range RT+5°C to 180°C

High temperature uniformity,



Intelligent PID Temperature Control

Digital microprocessor PID controller with integrated auto diagnostic system and error indicator



Speed range from 20-200rpm



Condenser (cooling surface 1,700 cm²)

Excellent cooling effect



Motorized

Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure

- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- High borosilicate glass and PTFE high temperature resistance and corrosion resistance
- Digital display of both rotation speed and heating temperature allows for optimal control of all distillation processes
- 5L heating bath with wide temperature range from room temperature to 180°C. Water/Oil heating mode can be changed only through a switch.
- Overheating protection temperature at 220°C
- Speed range from 20 to 200 rpm
- Heating bath with precise temperature control and adjustable safety circuit
- Condenser (cooling surface 1,700 cm²) with excellent cooling effect
- Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure
- Adjustable final position recognition to protect operator and sample against breakage
- Evaporating flask with an ejector, convenient to remove
- Available with timer function to precise control processing
- Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing

Evaporator type	ROVA193	ROVA293	ROVA593	ROVA693	ROVA1093	ROVA2093	ROVA5093
Price							
Rotary Flask L	1 L	2L	5 L	6 L	10 L	20L	50L
Collection Flask L	0,5 L	1 L	3 L	3 L	5 L	10L	20L
Speed range (rpm)	10-140rpm			20-130rpm		20-110rpm	
Display	LCD, Speed, Temperature, Time						
Heating Temperature Range	Room temp. To 90°C (water bath to 180°C)						
Temperature Control Accuracy	water: ±1°C oil: ±3°C						
Over Heating Bath Protection	Yes at 220°C						
Stroke Displacement Lift Automatic	0-150mm				0-160mm	0-190mm	0-180mm
Condenser	Vertical double serpentine tube				Vertical, main cold + sub-cool, high efficiency three return condenser		
Condensation aria cm ²	2.700 cm ²				Main cold 4.200cm ² Deputy cold 2.200	Main cold 8.000 Deputy cold 3.900	Main cold 9.100 Deputy cold 5.200
Timer	Yes						
Timer Setting Range	1-999min						
Evaporation capacity							
Dimension [D*W*H]	465x467x583mm						
Weight	15kg						
Permissible Ambient Temperature	5-40°C						
Max Vacuum Pa	399.9n (≤3mmHg)						
Permissible Relative Humidity (max)	80%RH						
Protection Class	IP20						
Temperature control mode	Smart temperature control						
Sensor type	Pt100						
Motorized Lift	Yes						
Motor Type	Brushless DC motor						
Voltage/Frequency	220V 50/60Hz					380V 50/60Hz	
Power KW			2,2Kw	2,2Kw	4,8	6,3	8,3
Outer dimension mm							



Vacuum pump optional

Please note

If this Vacuum Evaporator does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.



ROVA900 Schematic Configuration with optional devices

COLO LabExperts

Laboratory Equipment production and Distribution

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