

Heating chamber: Teflon compound chamber, it is a closed heater, power: 1.4 KW; Temperature is controlled automatically, digital display water temperature, room temperature ~ 90°C Total power: 1.5KW, voltage: 220V 50Hz Vertical condenser glassware. high-temperature-tolerant & high-quality glass. Double-circuit integrated ball joint with Receiving flask. Material in-flow: Material in-flow valve is connected with PTFE tube. Sealed gasket: fluorine rubber and vacuum; Main components: stainless aluminum, special ABS, high-temperature-tolerant and high quality glass having a good feature and long duration.

Accessories:

CVP-13-1, Vacuum Pump

Quiet operation, no vibration.
Long life PTFE diaphragm.
Vacuum regulator for easy adjustment.
Integral catch pots.
No maintenance dry system.
The vacuum pump is a powerful, chemically resistant pump which may ideally be employed for distillations with the rotary evaporators. Also useful for other applications.
Includes vacuum regulator and catch pots to protect pump from liquid ingress, as standard.

WBL-100, Recirculation Cooler

- Sufficient cooling power to run 2 evaporators simultaneously.
- Digital setting of temperature.
- Quiet operation.
- Powerful 450W cooling capacity.

The recirculating cooler offers powerful cooling for your condenser by accurately controlling the temperature of your cooling medium down to -20°C. A recirculating cooler is not only much more powerful than conventional water cooling, but is also an ideal alternative when water consumption is an issue for economical, environmental or practical reasons.

For more information please refer to the recirculating cooler section of this catalogue.

ROVA-2L/3L, Rotary Evaporator

Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected by heating from the accessory water bath They are the ideal tools for many everyday laboratory applications. including:

- Concentration of solutions
- Reclamation of solvents
- Vacuum drying of wet solids
- Degassing liquids

The rotating system is fitted with a special seal that allows the apparatus to be placed under vacuum. This reduces the boiling point of the solvents and removes the VAPOR phase making the process much more efficient. Each unit is also provided with an easy to use vacuum release and a continuous feed system, which allows more solvent to be drawn into the rotating Florentine flask without the need to stop the operation.

Main body: button with pressure, 0-150mm lifting and falling in a high speed automatically. The rotating speed: 20-200r/min; Digital display of the speed; power: 40W.

Model	ROVA-2L	ROVA-3L
Volume (ml)	25-2000	50-3000
Heater	1400W	
Speed	20-200 rpm	
Water bath temp.	Up to 90°C	
Automatic lifter	150mm	
Power	230V / 50Hz	

Technical specification

- Vacuum 13 mbar
- Flow rate 25 Liter/min
- Net weight 7kg
- Dimensions: W270xD144xD190mm
- Electrical supply 230V, 50Hz, 150W

Optional: Vacuum pump



CVP-13-1

Technical Specifications

- Cooling capacity 450W at 10°C
- Temperature range -30 to +100°C
- Control accuracy ±1°C
- Bath capacity 9 Liters
- Pump rate 9 Liter/min
- Net weight 32kg
- Dimensions: W300xD450xH630mm
- Electrical supply 230V 50Hz

Optional: Cooler



WBL-100

ROTARY EVAPORATORS Professional, 2 Liter, up to 180°C

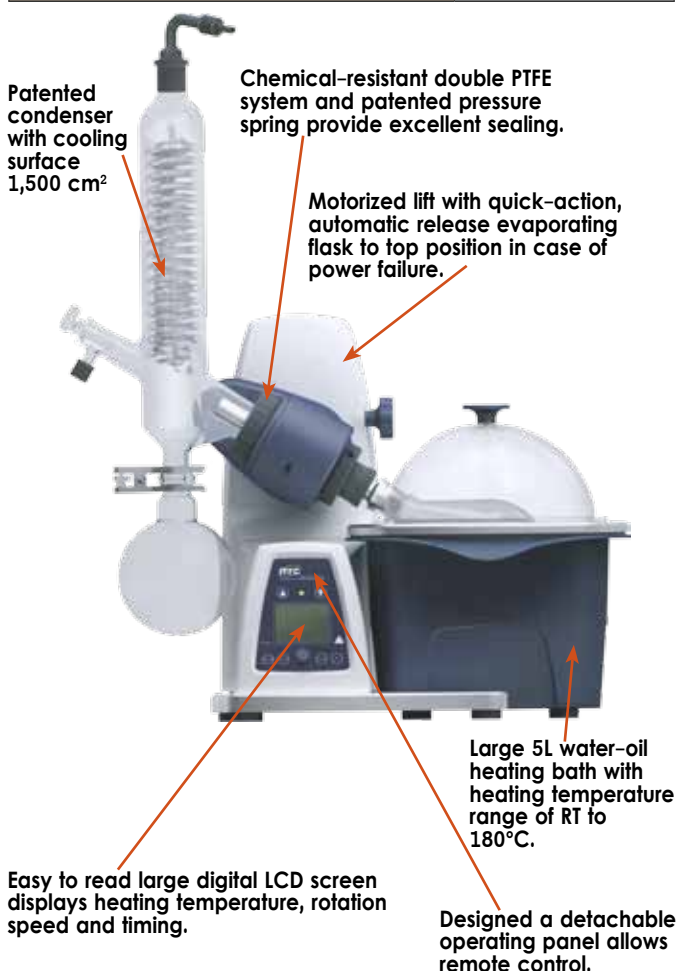
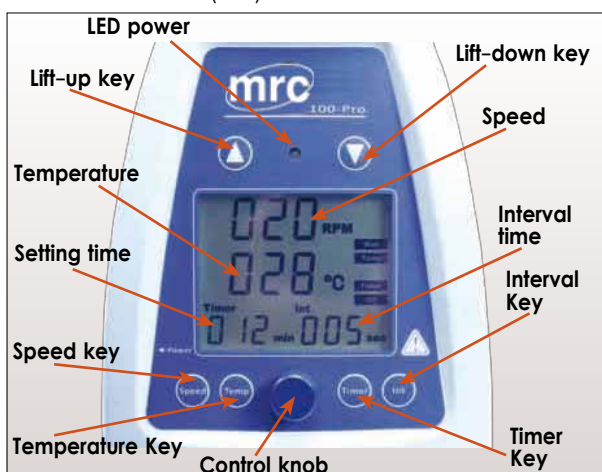


ROVA-100
2Liter
Rotary Evaporator

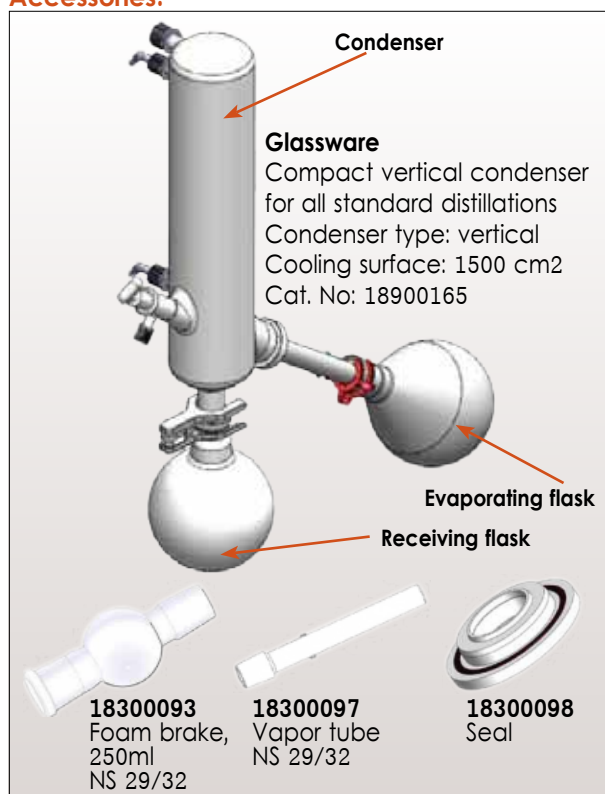
- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- Speed range from 20 to 280 rpm
- Large 5L water-oil heating bath with heating temperature range RT to 180°C
- Heating bath with precise temperature control and adjustable safety circuit
- Designed a detachable operating panel allows remote control
- Patented condenser (cooling surface 1,500 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
- PC can control and document all parameters via RS232 interface (USB).


ROVA-100, Digital Rotary Evaporator


Model	ROVA-100
Voltage (VAC)	100-240
Frequency (Hz)	50/60
Power (W)	1400
Motor Principle	DC brush less motor
Speed range (rpm)	20-280
Speed display	LCD
Reversible Direction of Rotation	Yes
Heating Temperature Range (°C)	RT-180
Heating Control Accuracy (°C)	±1
Heat Output (W)	1300
Temperature Display	LCD
Lift	Motor
Stroke (mm)	150
Timer	Yes
Timer display	LCD
Time setting range (min)	1-999
Overall Dimensions (D x W x Hmm)	420 x 400 x 580
Weight (kg)	20
Permissible ambient temperature (C)	5-40
Permissible relative humidity	80%
Protection class acc. DIN EN60529	IP20
RS232 interface	Yes




Accessories:




CVP-13-1, Optional: Vacuum pump 	Pump Speed	0 mmHg	25 L/min
		100 mmHg	22 L/min
		200 mmHg	20 L/min
		300 mmHg	12 L/min
		400 mmHg	7.5 L/min
		550 mmHg	5 L/min
		Suction Nozzle Size(mm)	8
Motor speed (rpm)	1450		
Weight (kg)	7		
Noise (dB)	50		

WBL-100, Optional: Recirculating chiller 	Temp. range(°C)	-30 - 100°C
	Temp. stability(°C)	±1.0
	Temp. display	LED
	Pump capacity flow rate (l/min)	9
	Pump capacity flow pressure (bar)	0.35
	Filling volume (L)	9
	Weight (kg)	32
	Dimensions (W×L×H cm)	30 × 45 × 63



NS 29/32, Spiders with 5 flasks

Model	Volume
 18300102	50ml
18300103	100ml

NS 29/32, Connector

Model	Size
 18300094	24
18300095	19
18300096	14

Ordering Information

Model	P/N	Description	Volume	Size
Glassware				
18900165		Glassware vertical	1000ml	-
Flasks				
18300116		 Evaporating flask	50ml	NS 29/32
18300117			100ml	
18300118			250ml	
18300119			500ml	
18300120			1000ml	
18300121		2000ml		
18300107		 Receiving flask	100ml	KS 35/20
18300108			250ml	
18300109			500ml	
18300110			1000ml	
18300111			2000ml	
18300112			3000ml	
18300102		Spider	50ml	NS 29/32
18300103			100ml	
18300094		Connector	-	29x24
18300095			-	29x19
18300096			-	29x14
18300093		Foam brake	250ml	29x29
18300097		Vapor tube	-	NS 29/32
Additional Accessories				
18100926		Seal, Airtight lip-seal from a PTFE compound with a built-in stainless steel spring		
CVP-13	C410	Chemical resistant Vacuum Pump	220-240V, 50/60Hz	
WBL-100	F250	Recirculating chiller		

ROTARY EVAPORATORS 5,6,10,20 Liter, up to 90°C



ROVA-5L/6L/10L/20L, Digital Rotary Evaporators

- It is used in concentration, extraction, drying, recycling in large quantities, it is good for large production.
- Water/oil bath.
- Flask capacity between 5-20Liter.
- Automatic lifter 0-150 mm.
- Bath temperature range: ambient up to 90°C (optional: up to 180°C).
- High quality double glazed glass parts.
- PTFE viton gasket vacuum ring.
- Evaporation flask rotation speed 0-150 RPM with stepless RPM adjustment knob.
- Temperature accuracy, $\pm 1^\circ\text{C}$ for water bath (and $\pm 3^\circ\text{C}$ for oil bath).
- Digital temperature control.
- The outer body is made of stainless steel and non-rust Aluminum.
- Rapid warming bath, easy to clean,
- Voltage 220V/50Hz.



Model	ROVA-5L	ROVA-6L	ROVA-10L	ROVA-20L
Volume	3000-5000ml	250-6000ml	10Liter	20Liter
Heater (Watt)	1500		3000	5000
Speed range (rpm)	0 - 150		20 - 138	10-120
Water/oil Bath temperature (°C)	up to 90°C			
Automatic lifter	150mm			
Overall Dimensions (mm)	580 x 380 x 680	580 x 380 x 980	950 x 550 x 1650	850 x 520 x 1600
Power	220V / 50Hz			

* 5Liter optional up to 180°C oil bath