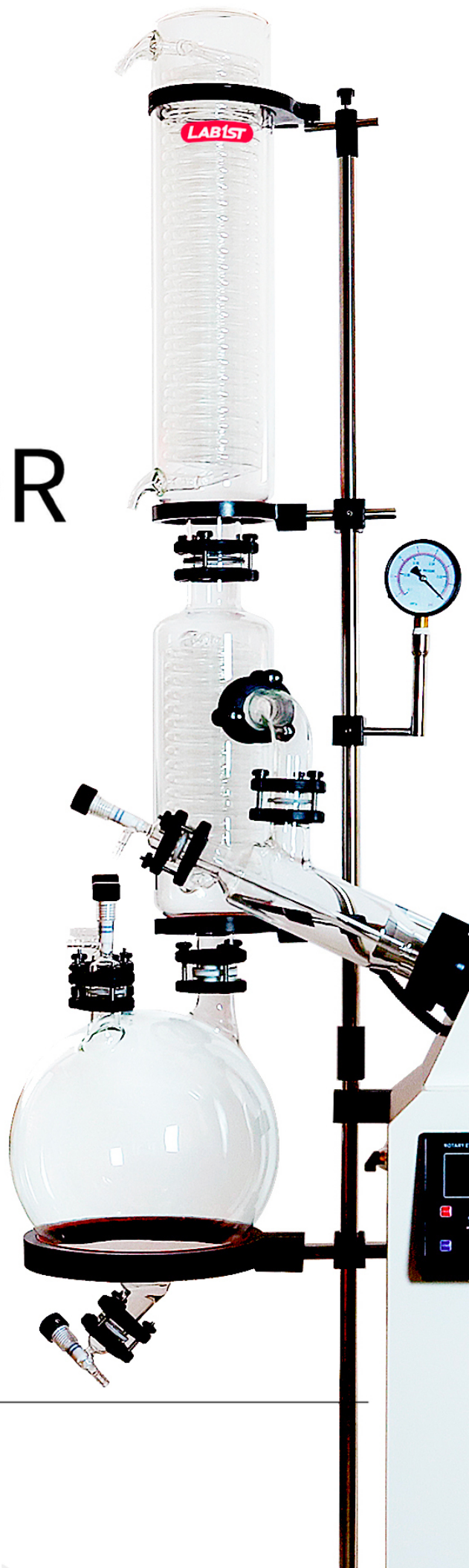




ROTARY EVAPORATOR

Laboratory and Processing Equipment



LAB1ST / Laboratory and Processing Equipment

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— PRODUCT INTRODUCTION

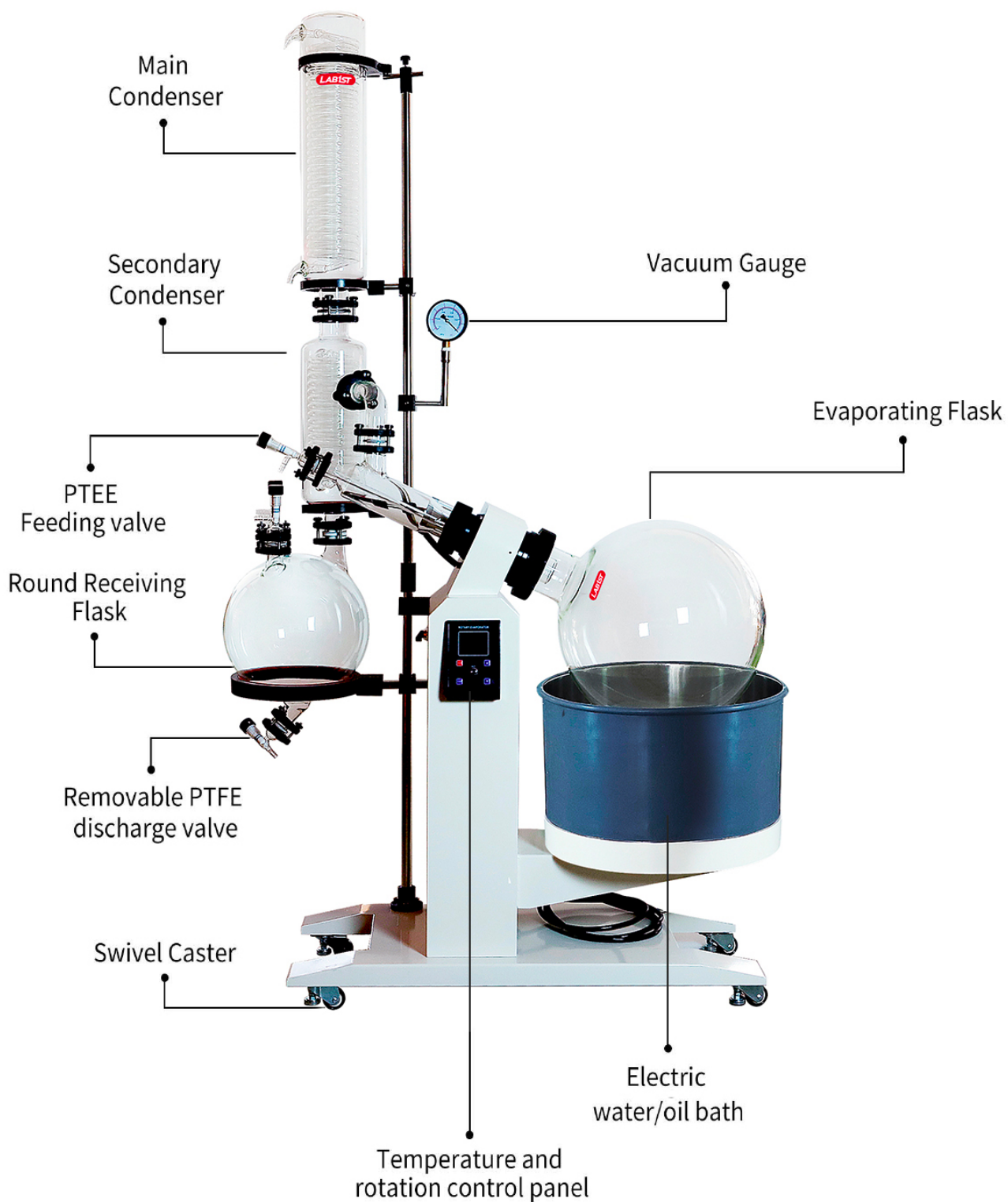
A rotary evaporator (or rotavap/rotovap) is a device used in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. Vacuum evaporators as a class function because lowering the pressure above a bulk liquid lowers the boiling points of the component liquids in it. Rotary evaporator is most often and conveniently applied to separate "low boiling" solvents such as n-hexane or ethyl acetate from compounds which are solid at room temperature and pressure.

TECHNICAL DATA

Model	RE-502	RE-505	RE-510B	RE-520B	RE-550B		
Main parameters	Designed temperature (°C)		Water bath: RT-99°C; Oil bath: RT-180°C; ±0.2°C				
	Designed pressure (pa)		<399Pa (3mmHg)				
	Suggested environmental temperature (°C)		5-35°C				
	Environmental relative humidity		≤65%				
	Glass material		GG-17 (3.3)High borosilicate glass				
	Stirring speed (rpm)		10-200	10-140	20-120	20-120	20-110
	Temperature control & display		Digital control & display				
	Lifting		Electrical (0-150mm)		Electrical (0-200mm)		
	Safety		Electricity leakage protection				
	Vacuum sealing		PTFE gasket				
	Bath dimensions (mm)• volume		ID 240×140H, 6.3L	ID280*170H,10.5L	ID400*240H, 30.1L	ID445*260H, 40.4L	ID560*300H, 73.9L
	Rotary flask	Electricity		Voltage: 220V/380V ; Phase: 1 Ph/3 Ph ; Frequency50/60HZ			
Volume (L)		2	5	10	20	50	
Sealing		PTFE					
Receiving flask	Flange diameter (mm)		ID:24	OD:80	OD:125 ID:100	OD:125 ID:100	OD:125 ID:100
	Volume (L)		1	3	5	10	20
Condenser	Condenser inlet diameter		35mm ball joint	DN50	DN60	DN60	DN60
	Type		Single condenser		Main condenser + auxiliary condenser		
	Condensing area (m²)		0.17	0.5	0.75	1.4	1.65
	Vacuum connector (mm)		OD10mm	OD10mm	OD12mm		
Motor & heating	Condensation inlet (mm)		OD12mm	OD16mm	OD15mm		
	Type		-	-	-	-	-
	Power (W)		40	60	250	250	250
	Heating power (Kw)		1.2	2	3	3	9
Dimensions	Net weight (Kg)		20.5	46	85	85	88
	Installed dimensions (W X D XH) mm		630*400* (690-810)	980*480*1260	1050*550*1800	1130*550*1920	1350*550*2300
	Package dimensions (W X D XH) mm		620*620*490	800*450*1090	990*520*1370	1060*560*1380	1170*650*1420



▶ PRODUCT DISPLAY



► FEATURES



Motorized water bath lifting for precise control



Fully customizable condenser structure



Easy flask handling due to the unique flask coupling



Solvent-resistant PTFE and Viton gaskets, ensuring long time operation



Downward-condensing vacuum connection design ensures safe vacuum operation

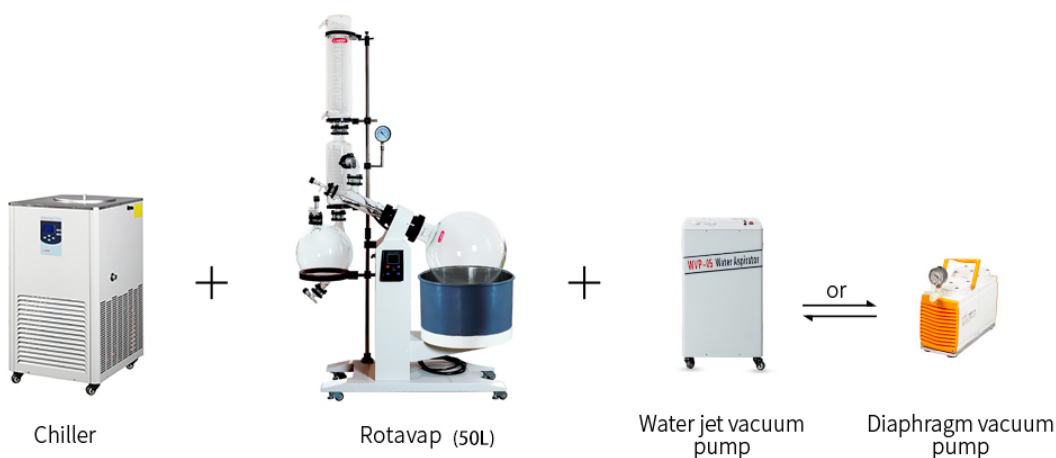


Immediate adjustment of rotation speed with LCD display

► TURNKEY SOLUTION

Chiller+Rotavap+ Water jet vacuum pump/Diaphragm vacuum pump





Here, it is a brief introduction of chiller and vacuum pump for the turnkey. Taking RE-550 B for your reference.

Chiller: DL-20-50L

General Features:

Powerful chillers down to -25°C ,
 ideal for cooling large scale rotary evaporator
 Easy-to-operate controller panel

Data

Model	DL-20-50L
Volume	50L
Temperature Range	-20°C
Chilling Power	6300-1300W
Reservoir Volume	50L
Refrigerant	25l/min
Power	2.1kw
Voltage (V)	220V/380V



Water jet vacuum pump: WVP-05

General Features:

Oil-less, corrosion resistant, reliable No oil changes, no cold trap required for water/alcohol solutions

Data

Model	WVP-05
Ultimate Vacuum	20 mbar
Pumping Capacity	10 L/min *5
Water Flow Rate	90 L/min
Water Tank Capacity	50L
Power	370W
Voltage (V)	110V or 220V



Diaphragm vacuum pump: GM-05B

General Features:

Only PTFE components are exposed to vacuum, ideal for pumping corrosive gases and organic solvents.

Very compact and light-weight

Oil-less, contamination-free

Data

Model	GM-05B
Ultimate Vacuum	50 mbar
Pumping Rate	30 L/min
Diaphragm Material	PTFE
Noise Level	<60 dB
Power	160W
Voltage	110V or 220V



OTHER TYPES OF ROTARY EVAPORATOR

Option 1:

Automatic Rotary Evaporator
(with One Condenser & Dual Collection)



Option 2:

Automatic Rotary Evaporator
(with Dual Condenser & Dual Collection)



Option 3:

Manual Rotary Evaporator



Option 4:

Explosion Proof (Exd IIB T4)
Rotary Evaporator



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