

TOPLAB INDIA

TL-201 Rotary Evaporator

High Recovery

Good Air-tightness

Reasonable Structure



Mainly Applied to Pharmaceutical,
Chemistry and Biotechnology

Crystallization, drying, separation, solvent recovery



Pharmaceutical



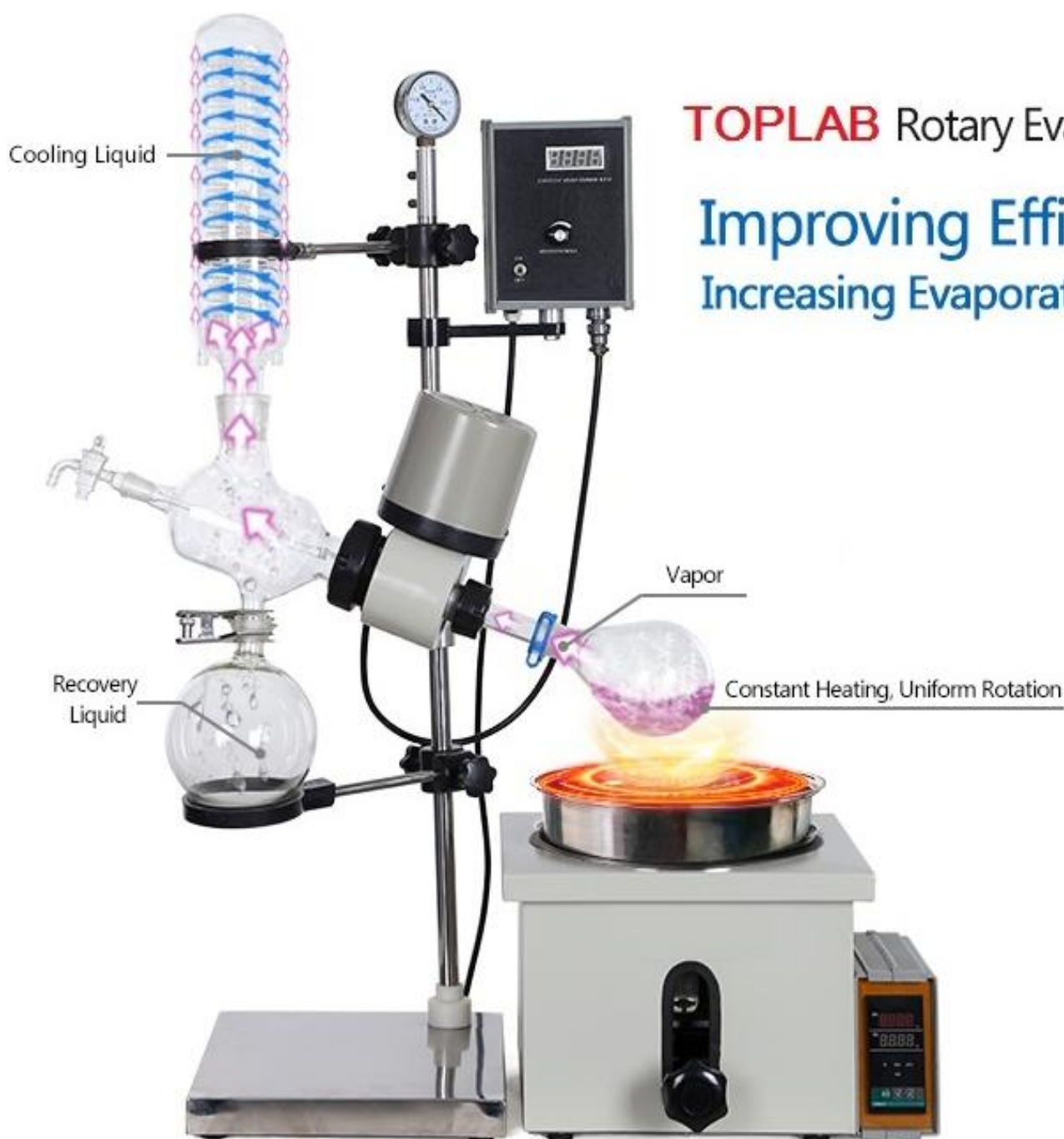
Chemistry



Biotechnology

Are You Upset with The Following Problems?





TOPLAB Rotary Evaporator

Improving Efficiency
Increasing Evaporation Rate

Working Principle

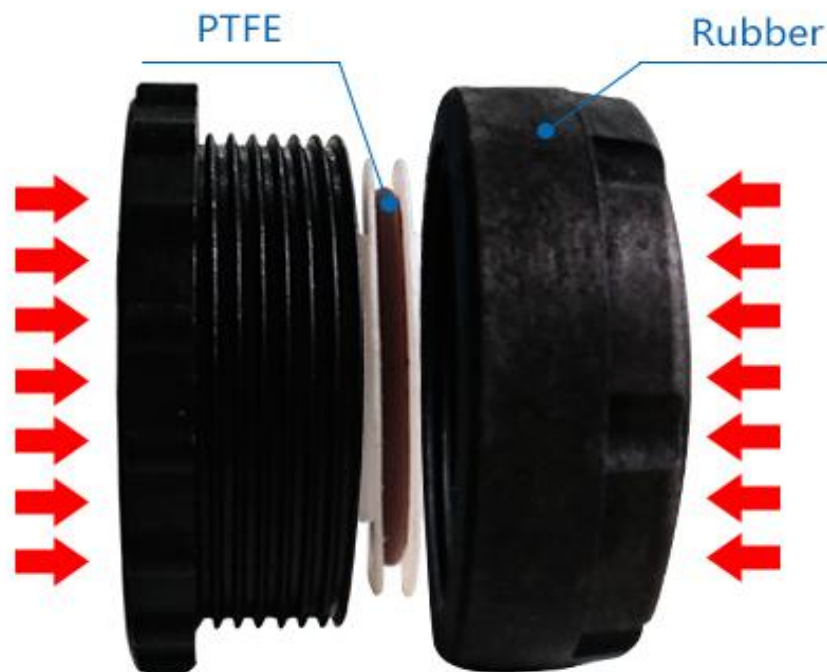
Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected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



TOPLAB FLANGE

Perfect for you to solve sealing problems

- ✓ High hardness, high temperature resistant, abrasion-proof ✓ Gasket: PTFE



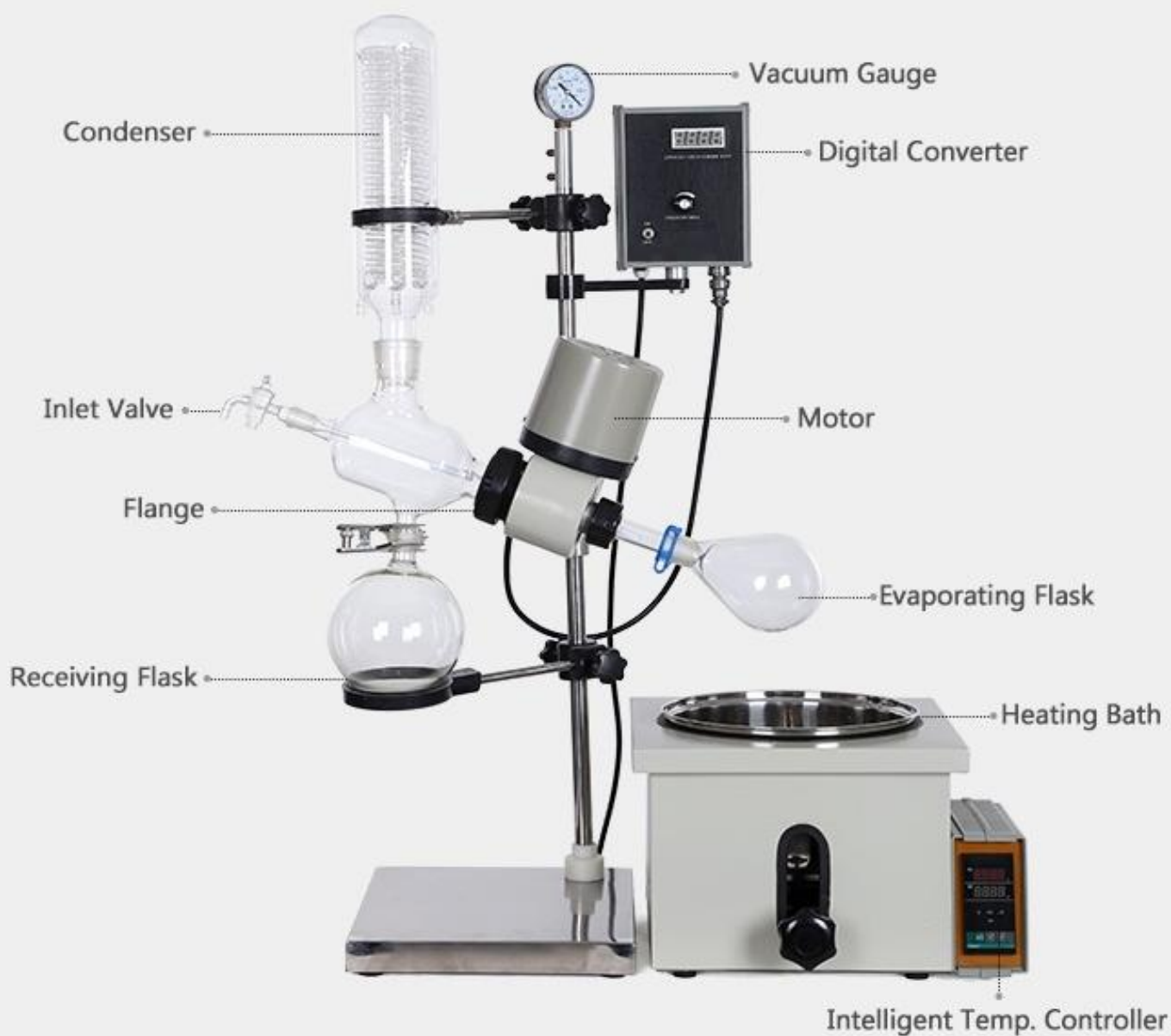
Flange Sealing Principle

With the space between the flange getting smaller, gasket would be deformed to fill up the gaps. Thus we can prevent leakage and achieve sealing function.



No leak | No deformation | High and low temp-resistance | Anti-corrosion | Nonhazardous | Abrasion-proof

PRODUCT INTRODUCTION



Product Parameters

Model	TL-201
Rotating Flask (L)	2L (Optional 1L)
Collection Flask (L)	1L (Optional 0.5L)
Rotating Motor (W)	40 (Stepless speed regulation)
Rotating Speed (R/min)	0 - 120 rpm (Variable)
Water (Oil) Bath Power (W)	1200
Temp control mode/Range(°C)	Intelligent digital/RT-399
Temp Resolution(°C)	±2
Evaporation Rate(L/H ₂ O)	≥1
Max Vacuum Degree	< 133pa(1.33mbar,1Torr,0.098Mpa)
Lifting Height (mm)	0-150
Water Bath Size	Φ24*15
Condenser	Vertical with charge pipe , Large Condenser , evaporating pipe
Lifting Mode	Oil bath Manual Lifting
Voltage	220V/50HZ
Sealing Mode	PTFE , fluoro rubber sealing

Other Models

Model	TL-2000B	TL-5000	TL-201	TL-301	TL-501	TL-1005	TL-2010	TL-5020
Evaporating Flask(L)	2	1/24#(0.25-2L)	2	3	5	10	20	50
Receiving Flask(L)	1	0.5/24#	1	2	2	5	10	20
Rotating Motor(W)	40	30	40			180		
Rotating Speed(R/MIN)	0~200	0~120						0~90
Water(Oil) Bath Power(W)	1500	1500	1200	1500		3000	4500	7000
Temperature Control Range	RT ~ 99℃	RT-399℃						
Temperature Fluctuation(℃)	±1	±1	±2℃			±1℃		
Evaporation Rate(H ₂ O)	≥1L/h			≥1.5L/h		> 3L/h	> 5L/h	> 9L/h
Condenser	Vertical Condenser					Vertical Double Condenser		
Lifting Mode	Electric	Mannal	Water(Oil) Bath Mannal Lifting					
Lifing Height(mm)	0~120	0~120	0~150			0~220		
Voltage	220V/50HZ							380V/50HZ

FIVE CHARACTERISTICS OF STRUCTURE

Point 1 ▶

Large Motor



1. International copper wire
2. Continuous operation and stable
3. CE Approved

Point 2 ▶

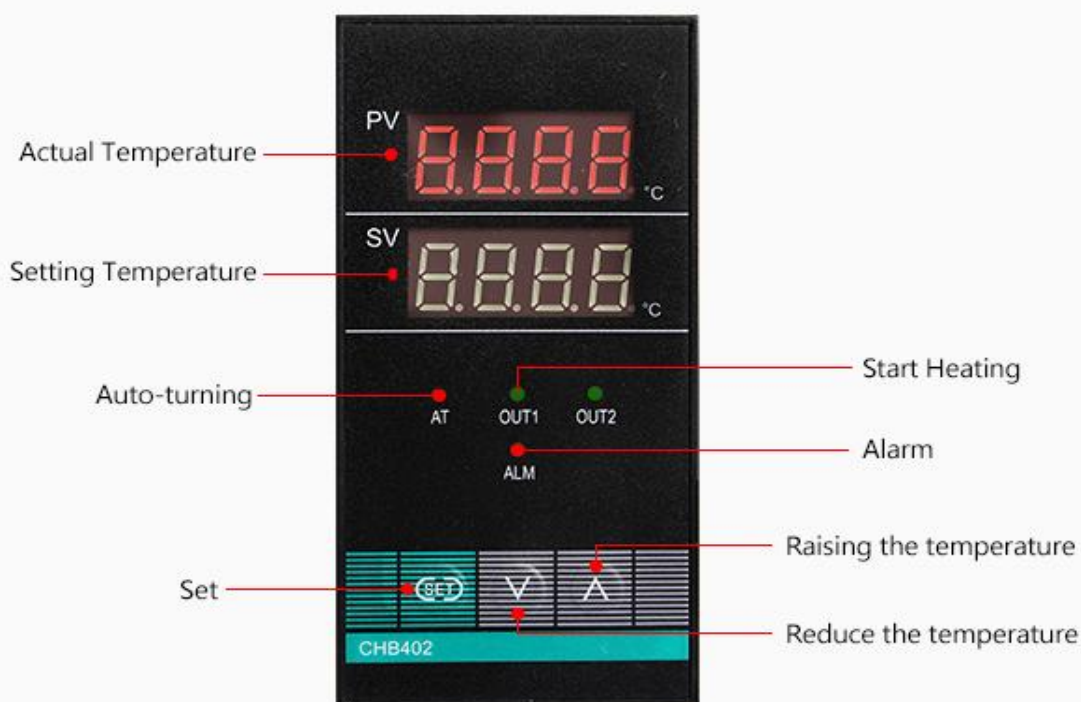
Free Lift Heating Bath

You can adjust the height according to your requirements. Easy and convenient.



Point 3 ▶

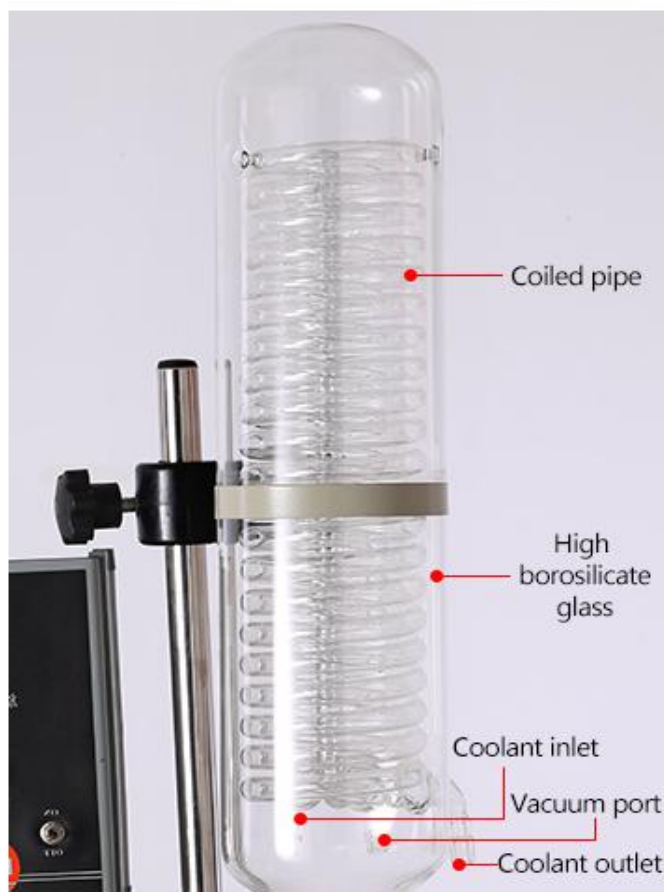
Digital Control



More convenient More intuitive More accurate

Point 4 ▶

Spiral Condenser



The inner tube is spiral which increases the length of the tube and makes cooling area larger. So the condensation would be more efficient.

- ▶ Temp Range $-100^{\circ}\text{C} \sim 400^{\circ}\text{C}$,
high acid and alkali resistant
- ▶ High temperature resistant,
high strength and hardness
- ▶ Feed rapidly, no residual and
easily clean



Other Models



TL-2000B



TL-5000



TL-201

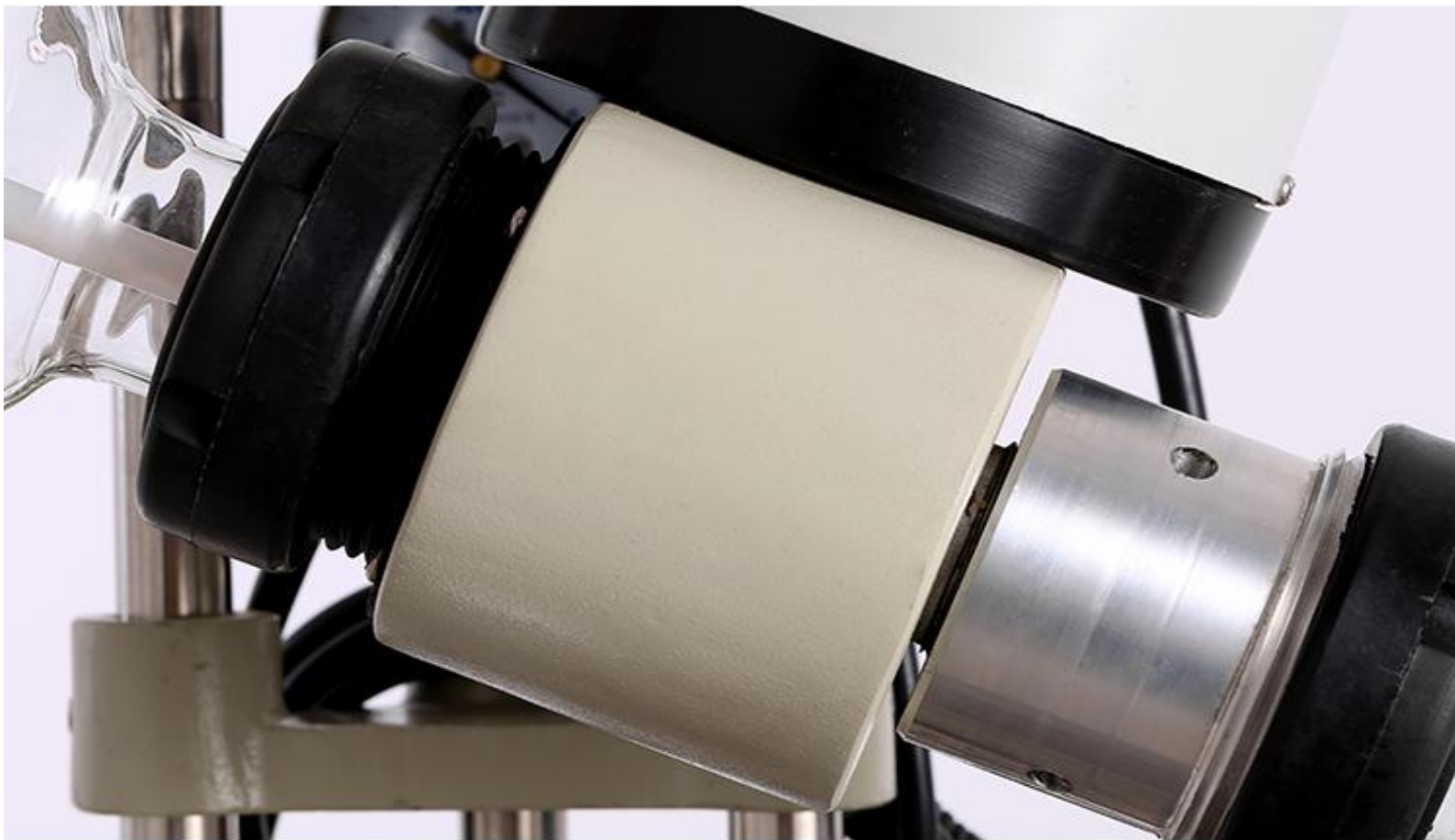


TL-301

PRODUCT DISPLAY



DETAIL DISPLAY



Rotation Shaft



Vacuum Gauge



Condenser Interface

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