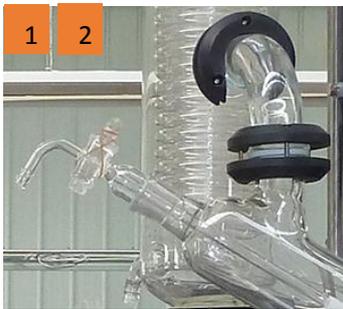


Rotary evaporator 10-50L

RE	52	50	A	(D)	(EX)
Rotary Evaporator	Design Serial No.	Evaporating Flask (L)	Automatic Lifting, 99.9°C Water Bath, Temp Control	150°C Oil Bath, Automatic Lifting, Temp Control.	Explosion Protection



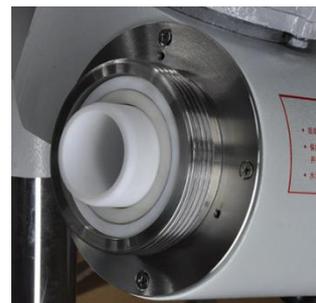
1. Glass charging valve -- New structure and glass material applied, is able to offer purely clean charging process and durable use experience.

2. Flange quick press ring -- One-piece quick clip design. Offer new experience on easy, reliable, and high sealing connection for flanges (no tools required).



3. PTFE vacuum discharging valve -- Cork is anti-corrosion, no vacuum degree, no pollution to solvent received.

4. Anti-corrosion & Wearable sealing system -- Specially designed and precisely manufactured. Enable system ultimate vacuum rate reaching 133Pa. 90% users don't need to replace rotary seal in one year.



Overall flange joints
 -- No dead seizure to glass joints, safe during installation & maintenance. Continuous receiving technology.
 -- Allow solvent discharge during evaporation process without system vacuum releasing or wave.

RE-5250-A(Ex) 50L
Customization provide

- Rotary Evaporator
- Scraped Film Evaporator / Short Path (Molecular) Distillation System
- Chemical Glass Reactor
- High Shear Homogenous Emulsification Reactor
- Pilot Ultrasonic Emulsification Reactor
- Vacuum Filter / Glass Liquid Separator
- Photochemical Glass Reactor
- Hydrothermal Synthesis Reactor
- High Pressure Reactor

Rotary evaporator 10-50L

Rotary Evaporator

Scraped Film Evaporator / Short Path (Molecular) Distillation System

Chemical Glass Reactor

High Shear Homogeneous Emulsification Reactor

Pilot Ultrasonic Emulsification Reactor

Vacuum Filter / Glass Liquid Separator

Photochemical Glass Reactor

Hydrothermal Synthesis Reactor

High Pressure Reactor



5.6. Ex-proof modification (optional) -- Offer EX proof upgrade on motor, control boxes of rotation and heating, wiring, and safety measures per user needs. Ex level reaches ExdIIBT4.

RE-5210A(Ex)
10L



RE-5220A(Ex)
20L



7. Bumping tube (optional) -- Preventing unexpected solution bumping into receiving flask.

8. Numerical control constant temperature bath.

9. Automatic lifting, heating switch conveniently.



10. Cold trap / condenser protection (optional) -- Trapping escaped corrosive / harmful vapor so to protect vacuum pump and operator health. Avoid vacuum pump liquid flow back to system.

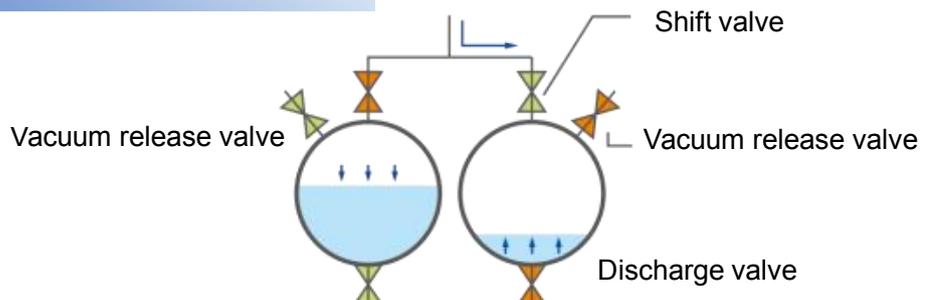
11. Flask unload handler (optional) -- Specially designed for handling and unloading big capacity evaporating flask, is one useful and popular optional tool.

In pilot production evaporation field

Continuous receiving technology, solvent discharge no longer need to stop evaporation process, to release and re-pump system vacuum. The technology allows real continuous work without vacuum wave, which obviously increases productivity simplifies system receiving structure and improves sealing performance.

Continuous receiving technology

1. Work principle



Rotary evaporator 10-50L

2. Evaporation performance

-- System vacuum does not drop during discharging shift. Sample received keeps consistent quality.

3. Structure rationality

-- Easier installation and maintenance in compact tandem type structure.

-- Leakage points reduced by 50%. Ultimate system vacuum is improved further in receiving structure.

Technical Parameters:

A:99°C Automatic lifting

AD:150°C Automatic lifting

AEx:99°C Automatic lifting, Whole anti-explosion system

ADEx: 150°C Automatic lifting, Whole anti-explosion system

Relevant Model	RE-5210A RE-5210AD RE-5210AEx RE-5210ADEx	RE-5220A RE-5220AD RE-5220AEx RE-5220ADEx	RE-5230A RE-5230AD RE-5230AEx RE-5230ADEx	RE-5250A RE-5250AD RE-5250AEx RE-5250ADEx
Evaporating Flask(L)	10L/F95	20L/F125	30L/F125	50L/F125
Receiving Flask(L)	5L, bottom discharge	10L + 3L, bottom discharge	10L + 10L, bottom discharge	20L + 10L, bottom discharge
Condensing Surface(m ²)	0.57	1	1.3	1.5
Rotation Speed (rpm)	3-110	3-110	3-110	3-110
Evaporating Speed (H ₂ O)	3L/H	5L/H	7L/H	11L/H
Lifting Type	Automatic lifting			
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)			
Bath Power (kw)	3	5	5	9
Staic Temp. Control Range & Wave (°C)	RT-99(150) ±0.2	RT-99(150) ±0.2	RT-99(150) ±0.2	RT-99(150) ±0.2
Bath Size. Capacity Material	∅ 35*25H, 22L, SUS304	∅ 45*27H, 40L, SUS304	∅ 45*27H, 40L, SUS304	∅ 55*32H, 70L, SUS304
Power	220V, 50/60Hz	220V, 50/60Hz	220V, 50/60Hz	220V, 50/60Hz
Dimensions (cm)	95*50*180H	110*60*210H	1300*800*1900H	130*800*2300H

Note: Max evaporating speed is affected by operation setting and the performances and matching levels of supporting equipment.

"A"-Automatic lifting, "AD"-Automatic Lifting 150°C Oil Bath, "AEX"-Automatic Lifting Explosion Protection.

Safety Features:

Relevant Model	RE-5210A RE-5210AD RE-5210AEx RE-5210ADEx	RE-5220A RE-5220AD RE-5220AEx RE-5220ADEx	RE-5230A RE-5230AD RE-5230AEx RE-5230ADEx	RE-5250A RE-5250AD RE-5250AEx RE-5250ADEx
Over-current Protection	Have			
No-spark Electronic Control	Have			
Ex-proof Upgrade	Ex-proof modification on motor, rotation & heating control, lower heating power density, equip dry heat and overheat cut-off protector			

Functional Configurations:

A:99°C Automatic lifting

AD:150°C Automatic lifting

AEx:99°C Automatic lifting, Whole anti-explosion system

ADEx: 150°C Automatic lifting, Whole anti-explosion system

Relevant Model	RE-5210A RE-5210AD RE-5210AEx RE-5210ADEx	RE-5220A RE-5220AD RE-5220AEx RE-5220ADEx	RE-5230A RE-5230AD RE-5230AEx RE-5230ADEx	RE-5250A RE-5250AD RE-5250AEx RE-5250ADEx
Charging Valve	Glass	Glass	Glass	Glass
PTFE Discharge Valve	PTFE	PTFE	PTFE	PTFE
PTFE Rotary Seal Assembly	Have			
Overall Flange Joints	Have			
Taper Joint PTFE Sleeve	Have			
Frequency Conversion Speed Control	Have			
Vacuum Meter	Have			
Throttle Valve For Vacuum	Have			
Thermometer Neck For Vapor	Optional			
Continuous Receiving	Have			
Digital Display	Bath temperature, Rotation speed			
Evaporating Flask Unload Handler	Optional			
Ex-proof Motor	Optional			
Cold Trap Protection System	Optional			
Bumping System	Have			
Optional Evaporating Flask (baffles available at request)	5L	5L, 10L	5L,10L,20L	10L,20L,30L