

Rotary Evaporator



Options (Only SH-RE-20L/SH-RE-50L)



PMMA cover for evaporating flask



Evaporating Flask support



Valve

Vacuum Port

Water Bath

Main Body

Over Temperature Controller



- Teflon precision machining and O-ring insertion sealing



- With BLDC Motor excellent durability and feed back control function



- With motorized lift and stainless steel bath



LCD Display Controller

- Digital controller with LCD display easy to control and operate through speed
- Backlight function allows operation in dark spaces

Model	SH-RE-5L
Operating Ambient Temperature	5~35℃ / 41~95℉
Glass Material	GG-17 High Borosilicate
Lifting motor / Rotation motor	DC brushless, 40W / DC brushless, 250W
Power (V/Hz)	220V 60Hz Single Phase
Speed setting	Knob setting +LCD controller
Vacuum seal	PTFE + Teflon coating
Temperature Control	PID Controller
Cooling area (㎡)	0.28
Rotation Speed	20~180 rpm
Bath temp. control range	Ambient ~ 180℃ / Ambient ~ 356℉
Maximum Vacuum Pressure	< 3 torrs
Evaporating Flask Capacity	5L / 1.32 gallon
Receiving Flask Capacity	3L / 0.79 gallon
Water Bath Material	Stainless steel corrosion resistant coating
Water Bath Size	280*175mm / 11*6.9"
Lift Mode / Distance	Auto lift / 150mm (5.9")
Heating Power	2000W
Vacuum Connection	10mm / 0.39" Barb
Condenser Connection	14mm / 0.55" Barb

- Safety Device**
- Over current protection
 - High temp limit controller
 - Power interruption alarm
 - Anti-dry protection
 - Over temperature alarm

• Option



Vacuum Controller



Model	SH-RE-20L	SH-RE-50L
Operating Ambient Temperature	5~35℃ / 41~95℉	
Glass Material	GG-17 High Borosilicate	
Lifting motor / Rotation motor	DC brushless, 100W / DC brushless, 250W	
Power (V/Hz)	220V 60Hz Single Phase	
Speed setting	Knob setting +LCD controller	
Vacuum seal	PTFE + Teflon coating	
Temperature Control	PID Controller	
Cooling area (㎡)	1.4	1.75
Rotation Speed	20 ~ 130 rpm	20 ~ 110 rpm
Bath temp. control range	Ambient ~ 99℃ / Ambient ~ 210℉	Ambient ~ 85℃ / Ambient ~ 185℉
Maximum Vacuum Pressure	< 3 torrs	
Evaporating Flask Capacity	20L / 5.28 gallon	50L / 13.20 gallon
Receiving Flask Capacity	10L / 2.64 gallon	20L / 5.28 gallon
Water Bath Material	Stainless steel corrosion resistant coating	
Water Bath Size	445*250mm/ 17.5*9.8"	540*340mm/21.3*13.4"
Lift Mode/ Distance	Auto lift / 210mm (82.7")	Auto lift / 250mm (98.4")
Heating Power	4300W	6000W
Vacuum Connection	18mm/0.71" Barb	
Condenser Connection	18mm/0.71" Barb	

• Safety Device

- Over current protection
- High temp limit controller
- Power interruption alarm
- Anti-dry protection
- Over temperature alarm

• Option



PMMA cover for evaporating flask

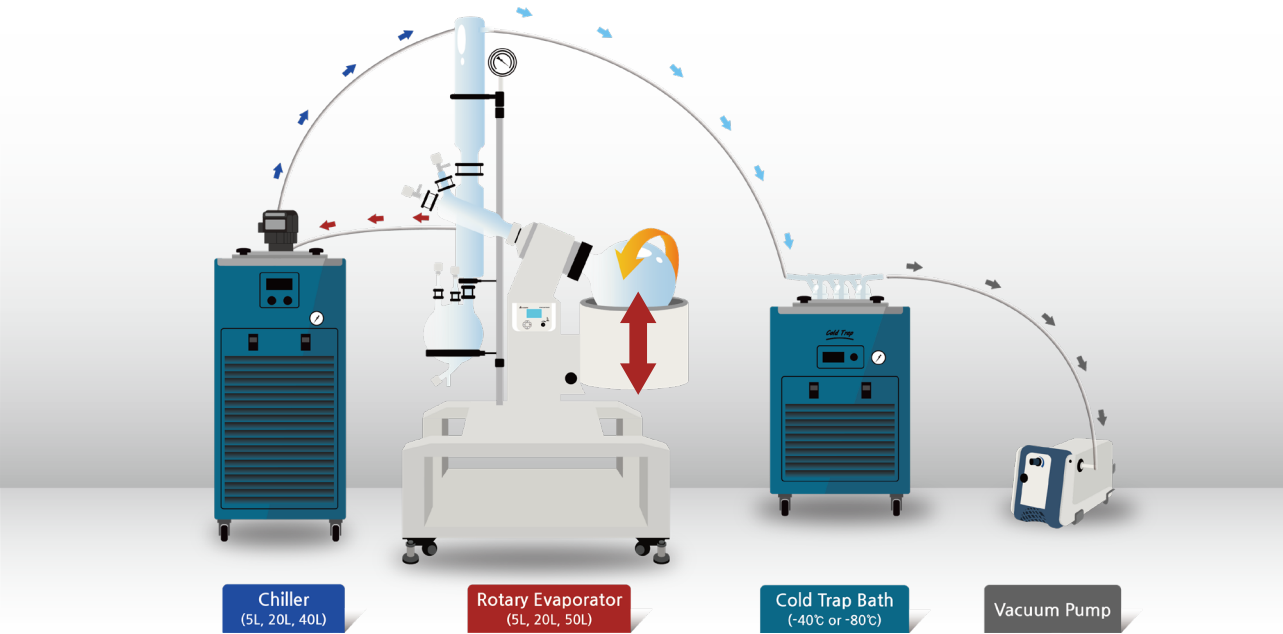


Evaporating Flask support



Vacuum Controller

Rotary Evaporator Package



<RE-PK-5L>



<RE-PK-20L, 50L>

Package Model	RE-PK-5L	RE-PK-20L	RE-PK-50L
Rotary Evaporator	SH-RE-5L	SH-RE-20L	SH-RE-50L
Cold Trap Bath	SH-WB-5GDR(-40°C or -80°C)	SH-WB-5GDR(-40°C or -80°C)	SH-WB-5GDR(-40°C or -80°C)
Vacuum Pump	2044		
Chiller	SH-WB-5CDR	SH-WB-20CDR	SH-WB-40CDR



-30°C

Chiller



Vacuum Pump



-40°C
For
Water

-80°C
For
Solvent

Cold Trap Bath

Model	Bath Capacity
SH-WB-5CDR	5 L(-30°C)
SH-WB-20CDR	20 L(-25°C)
SH-WB-40CDR	40 L(-20°C)

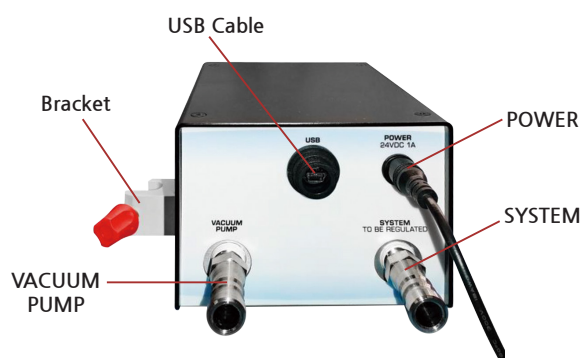
Model	Pump Speed
2044	35 L/min
2047	70 L/min

Model	Temp Range
SH-WB-5GDR(-40)	-40°C(-40°F) ~ -20°C(-4°F)
SH-WB-5GDR(-80)	-80°C(-112°F) ~ -60°C(-76°F)

Vacuum Controller for SH Rotary Evaporator



<Software program>



• Standard Accessory

- Vacuum Controller 1EA
- USB Cable 1EA
- Power Adaptor 1EA
- Bracket 1EA
- Hose Clamp 2EA

Model	SH-VPC
Vacuum Reference	Absolute
Sensor	SEN-775i-NPT-OEM
Resolution	± 0.1 Torr
Units	Torr, mbar
Accuracy	±2.66 mbar; ± 2 Torr
Range	1~1013 mbar; 1~775 Torr
Control band	±2.66 mbar; ±2 Torr
Mount	Desktop or laboratory pole mount
Display	0.56 inch White LED for Pressure, 0.36 inch Blue LED for set point
Product Dimensions (WxDxH)	114.3x158.75x85.725mm / 4.5"x 6.25"x 3.375"
Power	220 Volt standard wall receptacle
Compliance	CE and RoHS compliant
Wetted Materials	316 SS, chemically resistant rubber, PTFE
Effective Orifice	0.150 in
Connectivity	USB
Vacuum Interface	3/8" I.D. hose barbs, 1/4" NPT F
LED Heights	.56" .35"

Parts for SH Rotary Evaporator



Item	Specifications
5L Evaporating Flask	Length 54mm Flange 50mm
20L Evaporating Flask	Ø370mm Length 97mm Flange 125mm
50L Evaporating Flask	Ø467mm Length 97mm Flange 125mm



Item	Specifications
3L Receiving Flask with Valve	Screw Socket 24mm Flange 38mm
10L Receiving Flask	Flange 60/50mm
20L Receiving Flask	



Item	Specifications
Main Condenser (SH-RE-5L)	Outer Diameter 98mm Length 460mm Flange 38mm, 50mm
Main Condenser (SH-RE-20L)	Outer Diameter 130mm Length 680mm Flange 80mm
Main Condenser (SH-RE-50L)	Outer Diameter 160mm Length 735mm Flange 80mm



Item	Specifications
Auxiliary Condenser (SH-RE-20L)	Outer Diameter 160mm Length 415mm Flange 80mm
Auxiliary Condenser (SH-RE-50L)	Outer Diameter 160mm Length 520mm Flange 80mm



Item	Specifications
Fix Flange 80mm	
Fix Flange 60mm	
Fix Flange 50mm	
Fix Flange 40mm	
Fix Flange 30mm	



Item	Specifications
PTFE Oil Seal Set	



Item	Specifications
Boiling/Evaporating Screw	



Item	Specifications
Open/Close Valve (SH-RE-5L)	Screw Socket 24mm Flange 38mm
Open/Close Valve (SH-RE-20L/50L)	Screw Socket 24mm Flange 50mm



Item	Specifications
Three-Way Flask (SH-RE-5L)	Outer Diameter 80mm Length 300mm Flange 50mm
Three-Way Flask (SH-RE-20L/50L)	Outer Diameter 100mm Length 350mm Flange 50mm



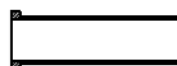
Item	Specifications
Spanner Wrench	



Item	Specifications
Drain Valve (SH-RE-5L)	Screw socket 24mm Flange 38mm
Drain Valve (SH-RE-20L/50L)	Screw Socket 37mm Flange 50mm



Item	Specifications
Flange 80mm Gasket	PTFE 52.5/79
Rotation Shaft Gasket	PTFE 41/69
Flange 60mm Gasket	PTFE 33/59
Flange 50mm Gasket	PTFE 25/49
Flange 40mm Gasket	PTFE 20.5/39



Item	Specifications
Rotating Shaft (SH-RE-5L)	Diameter 29mm Length 150mm Flange 40mm
Rotating Shaft (SH-RE-20L/50L)	Diameter 60mm Length 200mm Flange 70mm



* Only 20L/50L

Item	Specifications
Evaporating Flask support	



* Only 20L/50L

Item	Specifications
PMMA cover for evaporating flask	



Item	Specifications
Check Valve	PTFE



Item	Specifications
Feeding Valve	Screw Socket 24mm Flange 50mm



Item	Specifications
Oil Vacuum Gauge with Base	



Item	Specifications
Condenser Ring Stand 140mm	Per Piece Price
Condenser Ring Stand 130mm	Per Piece Price



Item	Specifications
Receiving Flask Ring Stand 220mm	Per Piece Price
Receiving Flask Ring Stand 180mm	Per Piece Price
Receiving Flask Ring Stand 70mm	Per Piece Price



Item	Specifications
Condenser Ring Clamp 220mm	Per Piece Price
Condenser Ring Clamp 180mm	Per Piece Price
Condenser Ring Clamp 140mm	Per Piece Price
Condenser Ring Clamp 100mm	Per Piece Price