

► **Installation Figure : 20Lit Evaporator with Chiller & Vacuum Pump**

PREMIUM EVAPORATOR

Wide-range Capacity "Eva-05"

DAIHAN® PREMIUM Rotary Vacuum Evaporator **NEW**

For 0.1~5Lit Evaporating Flasks

Programmable
Electric
Automatic Lifting

Up to 195mm,
Digital Display Height

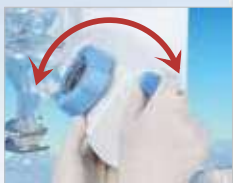
Adjustable
Immersion Angle
&
Automatic
Reverse Rotation

1,600cm² Vertical High Cooling Capacity

- 1,600cm² Cooling Surface Condenser.
- Superior Evaporation Capacity : 51.6ml/min(Water)

10-Step Adjustable Wide Immersion Angle

Adjustable 10-Step Wide Immersion Angle 1° ~ 50°



Automatic Reverse Rotation

- Rotated Direction of Evaporating Flask Can be Reversed (Clockwise or Counter-Clockwise)
- Programmable Rotation Cycle Time for User Convenience



Interchangeable Detachable Heating Bath

- Separable Bath Structure from Digital Controller for User Safety and Convenience



Possible to Use a Heating Bath by Itself !

Programmable Electric Automatic Lifting



- Adjustable Electric Automatic Lifting : Up to 195mm to Accommodate Changing Flask
- Programmable Prefer Height
- Digital Display the Height for User Convenience
- Automatic Raising when Power Error for Sample Protection

Individual Digital Control

- Evaporator and Heating Bath have the Individual Digital Control System for User Convenience.
- Heating Bath can be used in Other Applications Widely.



0.1~5.0 Lit Wide Range Capacity

- Designed for Using 0.1~5Lit Evaporating Flasks Up to 200 °C
- 2.5Lit Oil Bath(Included) : for 0.1~2Lit Flasks
- 5.5Lit Oil Bath(Optional) : for 2~5Lit Flasks



up to 2Lit



up to 5Lit

DAIHAN® 0.1~5Lit **PREMIUM** Rotary Vacuum Evaporator “Eva-05”, Vertical-type, 195mm Auto Lifting **NEW**
 With 2.5Lit Heating Bath(Option 5.5Lit Bath), Up to 200℃, Cooling Surface 1,600cm², 10-Step Immersion Angle 1°~50°,
 and Automatic Reverse Rotation Function ; Clockwise or Counter Clockwise, 10~300rpm, **프리미엄 회전 진공 농축기**



Premium Rotary Evaporator,
with 2.5Lit Oil Bath(Included),
for 0.1~2Lit Evaporating Flask



Premium Rotary Evaporator,
with 5.5Lit Oil Bath(Optional),
for 2~5Lit Evaporating Flask



Optional Oil Bath, 5.5Lit,
for 2~5Lit Evaporating Flask

- Made in Korea ■ PL(Product Liability) Insurance
- Patented Jog Dial & Touch Button Control System
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ideal for Distilling(Mixed) Solvent, Condensation Solution, and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.
- Designed for Using 0.1~5Lit Evaporating Flasks, up to 200℃
 - 2.5Lit Oil Bath(Included) : for 0.1~2Lit Evaporating Flasks.
 - 5.5Lit Oil Bath(Optional) : for 2~5Lit Evaporating Flasks.
- Automatic Reverse Rotation Function : Clockwise or Counter Clockwise
- Adjustable Wide Immersion Angle : 10 Steps, 1° ~ 50°
- No Grease is needed for the Flask Connection of Vapor Duct due to Teflon & Viton O-ring Gasket.
- * Evaporator and Heating Bath have the individual Digital Control System.
- * Separable Bath Structure from Digital Controller for User Safety and Convenience
- * Embedded Heating Elements for Bath
- * High Cooling Surface Condenser : 1,600cm², 51.6ml/min
- * Adjustable Electric Automatic Lifting : Up to 195mm to Accommodate Changing Flask
 - Programmable Prefer Height
 - Digital Display the Height for User Convenience
 - Automatic Raising when Power Error for Sample Protection
- * Rotary Evaporators can be Set with Circulation Aspirator Pump (P. 61)

Specifications & Ordering information

Spec.	Model	“Eva-05” 0.1~5Lit Flask
Condenser Type		Vertical-type
Flaskts	Evaporating	0.1~5Lit, Included 1Lit Evaporating Flask
	Receiving	0.1~3Lit, Included 1Lit Receiving Flask
Controller & Display		PID Controller, Digital Display
Rotation Speed		10~300rpm
Evaporating Capability		51.6 ml/min
Cooling Surface		1,600cm ²
Heating Bath Capacity & Temp. Range	Standard (Included)	2.5Lit Oil Bath, Up to 200℃, for 0.1~2Lit Evaporating Flasks External(215×205×h179mm), Internal(197×187×h117mm)
	Optional	5.5Lit Oil Bath, Up to 200℃, for Max 5Lit Evaporating Flasks External(324×269×h209mm), Internal(305×250×h118mm)
Lifting Type		Adjustable Automatic Electric Lifting : up to 195mm Programmable Prefer Height and Digital Display Height
Immersion Angle		Adjustable 10-step Angle 1° ~ 50°
Vacuum Seal		Double Sealing Rings made of Teflon + Viton Material
Power Consumption		Rotation Motor(100W), Heating Bath : Included 2.5Lit Bath(1,200W/220V, 1,100W/110V), Optional 5.5Lit Bath(1,500W/220V, 1,100W/110V)
Material	Housing	Aluminum Die Casting
	Heating Bath	External(PBT), Internal(Ceramic-coated SUS304)
Dimension & Net Weight		510×438×h519(Max. 714)mm, 16kg
Electrical Reqts.		AC220V, 50/60Hz or AC110V, 60Hz
Cat. No.	230V	DH.Eva0005
	120V	DH.Eva0005.1
Price, Set. ₩		

Optional Heating Bath

		Ea. Price, ₩
DH.Bat005	(a) Oil Bath & Base Digital Controller Set, 5.5Lit, Up to 200℃ External(324×269×h209mm, PBT), Internal(305×250×h118mm, Ceramic-coated SUS304) Controller(190×292×h80mm, PBT)	
DH.Bat005.1	(b) Oil Bath Only, without Digital Controller, 5.5Lit, Up to 200℃, External(324×269×h209mm, PBT), Internal(305×250×h118mm, Ceramic-coated SUS304)	

※ NOTE! ▶ Optional Vacuum Pump for Evaporator : See the “Pump” Section.

▶ For the Information of Spare Parts : Visit www.DAIHAN-Sci.com Shopping Mall or Contact Us Directly.

DAIHAN® 0.5~2 Lit Digital Rotary Evaporator “WEV-1001V” & “WEV-1001L”, Vertical & Diagonal-type
With 6.5 Lit Digital Bath 100℃, PID Control & Lifting Table, 10~180rpm, Cooling Surface 1,300 cm², Certi. & Traceability, 회전식 증발 농축기



2-Year Warranty

(1) Digital Rotary Evaporator, Vertical-type
“WEV-1001V”, 0.5 ~ 2 Lit



2-Year Warranty

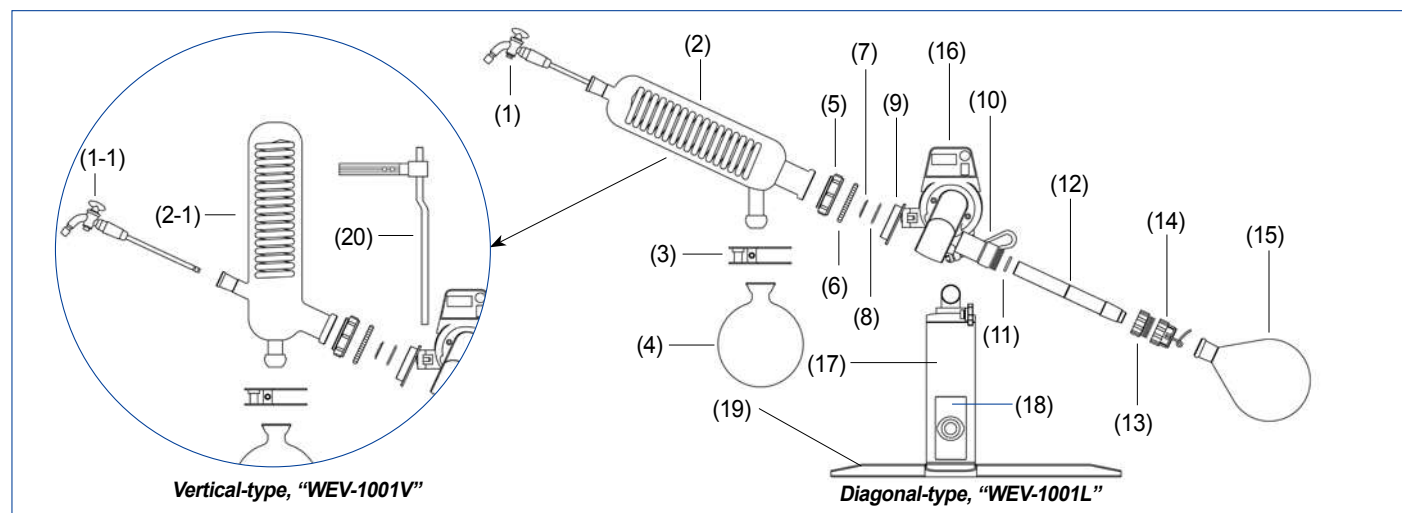
(2) Digital Rotary Evaporator, Diagonal-type
“WEV-1001L”, 0.5 ~ 2 Lit

- Cooling Surface 1,300 cm²
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ideal for Distilling (Mixed) Solvent, Condensation Solution and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.
- Included Two Evaporating Flasks : 1×0.5Lit & 1×1Lit
- The Temperature adopts PID Control, which ensures accurate Temperature Control.
- Speed Display, Operate Visually and easily

- * Digital Speed Display, Digital Temp. Display on Water Bath.
- * Double Sealing with PTFE and Vinton Materials to ensure High Vacuum Degree.
- * The Air Extraction Nozzle of Condenser is set down, and it is Safer after Connection with Vacuum Pipe
- * Building Block Design is Easily to be Extended.
- * Easy Operation of Lifting, Move up and Down Smoothly and Easy to Lock.
- * Dedicated Electric Machinery, Worm and Gear Drive Steadily.
- * The Separation of Bath and the Mainframe makes Configure Flexible.
- * These Rotary Evaporators could Set with Circulation Aspirator Pump (P. 61)

Specifications & Ordering information

Spec.	Model	“WEV-1001V” Vertical-type	“WEV-1001L” Diagonal-type
Condenser Type		Vertical-type	Diagonal-type
Bottle Capacity	Evaporating	Included 2× Evaporating Flasks : 1×0.5Lit & 1×1Lit, Available 100-/250-ml, 2Lit Evaporating Flask(Optional)	
	Receiving	Included 1ea 1 Lit Flask	
Rotary Speed		10 ~ 180 rpm	
Evaporating Capability		20 ml/min	
Cooling Surface		1,300 cm ²	
Achievable Vacuum		399.9Pa(below 3mmHg)	
Bath Capacity		6.5 Lit / $\phi 254 \times 130$ mm	
Temp. Range		0℃ ~ 100℃	
Functional of Lifting Table		Weight Balancing Gliding Elevating & Manual Lifting	
Elevating Stroke		100 ~ 250 mm	
Vacuum Sealing		Double Sealing Rings made of Teflon + Vinton Materials	
Power Consumption		Motor : 25 W, Heater : 1.05kW	
Controller & Display		PID Controller, Digital display	
Dimension & Net Weight		560×320×h660mm / 9.5 kg	750×320×h540mm / 9.5 kg
Electrical Reqt.s.		AC220V, 50/60Hz or AC110V, 60Hz	
Cat. No.		DH.WEV01001V	DH.WEV01001L
Price, Each. W			



※ NOTE! ▶ Optional Vacuum Pump for Evaporator : See the “Pump” Section.
▶ For the Information of Spare Parts : Visit www.DAIHAN-Sci.com Shopping Mall or Contact Us Directly.

DAIHAN® 5 · 10 · 20 Lit Digital Rotary Evaporator “WEV-1005” · “WEV-1010” · “WEV-1020”, Large Capacity
 With Digital Controlled Stainless-steel Bath 99℃, Electric Lift Bath, Vertical-type, 20~130 rpm, 대용량 회전식 증발 농축기



Digital Rotary Evaporator, Large Capa.
 “WEV-1005” 5Lit



Digital Rotary Evaporator, Large Capa.
 “WEV-1010” 10Lit, “WEV-1020” 20Lit

2-Year Warranty

2-Year Warranty

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ideal for Distilling (Mixed) Solvent, Condensation Solution and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.
- Teflon (PTFE) and Fluorine Rubber Dual Rotating Seal, Patented Technology to ensure High Vacuum.
- A Vacuum Switching Valve : without Affecting the System Vacuum, Distillation of the Situation and the Solution can be Continuously Collected.
- Electric Lift - Stainless-steel Water Bath, Easy to Use.
- Cooling Surface : “WEV-1005” total 2,700 cm²
 “WEV-1010” total 6,500 cm²
 “WEV-1020” total 11,500 cm²

* Accurate and Reliable Temp. Control due to the Introduction of Advanced Frequency Control System

* PTFE Discharge Valve, Corrosion Resistance, Pollution-free.

* Rotary Evaporators can be Set with Circulation Aspirator Pump (P.61)

Specifications & Ordering information

Spec.	Model	“WEV-1005” Evaporating Flask 5Lit	“WEV-1010” Evaporating Flask 10Lit	“WEV-1020” Evaporating Flask 20Lit
Evaporating Flask		5 Lit, Flange Opening ϕ 50 mm	10 Lit, Flange Opening ϕ 95 mm	20 Lit, Flange Opening ϕ 125 mm
Receiving Flask		3 Lit	5 Lit	10 Lit
Condenser		Water Refrigerating	Standing, Main & Auxiliary Cooling and Highly Efficient 3 Circulating Cold Trap	
Temp. Range		0℃ ~ 99℃		
Rotary Speed		20 ~ 140 rpm	20 ~ 130 rpm	
Evaporating Capability		Water : 2 Lit/h, Alcohol : 4 Lit/h	Water : 3.2 Lit/h, Alcohol : 6.5 Lit/h	Water : 5 Lit/h, Alcohol : 11 Lit/h
Cooling Surface		Condenser 2,700 cm ²	Main Condenser 4,500 cm ² Auxiliary Condenser 2,000 cm ²	Main Condenser 8,000 cm ² Auxiliary Condenser 3,500 cm ²
Achievable Vacuum		399.9Pa(below 3mmHg)		
Functional of Lifting Table		Electric		
Elevating Stroke		0 ~ 150 mm	0 ~ 160 mm	0 ~ 190 mm
Vacuum Sealing		PTFE and Fluorine Rubber Dual Rotating Seal		
Motor		250 W, Phase DC Induction Motor		
Heating Boiler		Stainless-steel Water Bath		
Display		Digital display		
Power Consumption		2.3 kW	1Phase 220V, 3.8kW or 3Phase 380V, 6.3kW	
Dimension (mm)		835×400×h1090	990×550×h1655	1195×635×h2070
Electrical Reqts.		1Phase 220V, 50/60Hz	1Phase 220V, 50/60Hz or 3Phase 380V, 50Hz	
Cat. No.	230V	DH.WEV01005	DH.WEV01010	DH.WEV01020
	3Phase	-	DH.WEV01011	DH.WEV01021
Price, Each. ₩				

※ 운임 약 ₩ 9,000 별도!

※ **NOTE!** ▶ Optional Vacuum Pump for Evaporator : See the “Pump” Section.

▶ For the Information of Spare Parts : Visit www.DAIHAN-Sci.com Shopping Mall or Contact Us Directly.

DAIHAN® 50 Lit Digital Rotary Evaporator “WEV-1050”, Large Capacity, Vertical Type, with Electric & Manual Lift Bath
With Digital Controlled Stainless-steel Bath 99℃, 20~110 rpm, 19 Lit/h, Cooling Surface 14,500 cm², 대용량 회전식 증발 농축기



2-Year Warranty

Digital Rotary Evaporator, Large Capa.
“WEV-1050”, 50 Lit

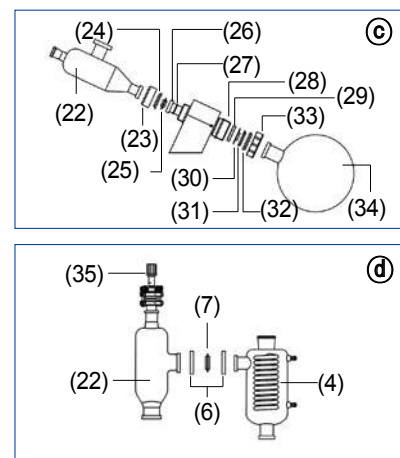
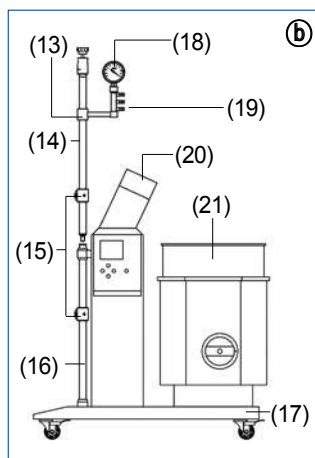
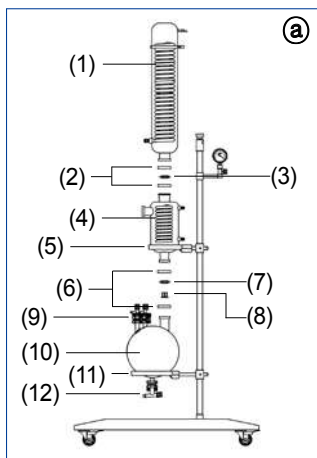
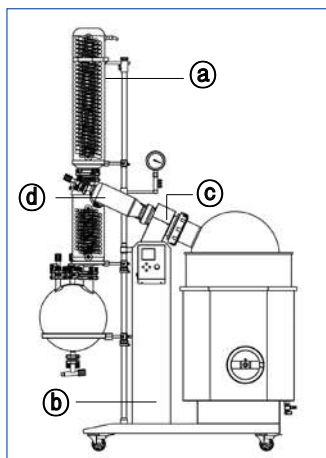
- Cooling Surface : 14,500 cm²
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ideal for Distilling (Mixed) Solvent, Condensation Solution and Suspension, Concentrating Liquid, Re-crystallization Dry Powder and Granulate, Synthesizing Chemical, Soxhlet Extraction, etc.
- Large Capacity & Diameter Rotary Evaporator Flask - 50Lit
- Teflon (PTFE) and Fluorine Rubber Dual Rotating Seal, Patented Technology to Ensure High Vacuum.
- Stainless-steel Water Bath - Electric & Manual Lift, Easy to Use
- * The Introduction of Foreign Advanced Frequency Control System, Temperature Control System, Accurate and Reliable.
- * A Vacuum Switching Valve, without Affecting the System Vacuum Distillation of the Situation and the Solution can be Continuously Collected.
- * Water Bath Electric Lift and Manual Lift Support, Easy to Use.
- * PTFE Discharge Valve, Corrosion Resistance, Pollution-free.
- * This Rotary Evaporator could Set with Circulation Aspirator Pump (P.61)

Specifications & Ordering information

Spec.	Model	“WEV-1050”
Evaporating Flask		50 Lit, Flange Opening ϕ 125 mm
Receiving Flask		20 Lit
Condenser		Standing, Main & Auxiliary Cooling and Highly Efficient 3 Circulating Cold Trap
Temp. Range & Rotary Speed		0℃ ~ 99℃, 20 ~ 110 rpm
Evaporating Capability		Water : 9 Lit/h, Alcohol : 19 Lit/h
Cooling Surface		Main Condenser 9,500 cm² Auxiliary Condenser 5,000 cm²
Achievable Vacuum		399.9Pa(below 3mmHg)
Functional of Lifting Table & Stroke		Electric & Manual, 0 ~ 180 mm
Vacuum Sealing		PTFE and Fluorine Rubber Dual Rotating Seal
Motor		250 W, Phase DC Induction Motor
Heating Boiler		Stainless-steel Water Bath
Display		Digital display
Dimension (mm)		1345×770×h2140
Electrical Reqts.		6.3 kW, 3Phase 380V, 50Hz
Cat. No.		DH.WEV01050
Price, Each. ₩		

※ 운임 약 ₩ 9,000 별도!

The Details of Spare Parts for 50 Lit Digital Rotary Evaporator “WEV-1050” models



- ※ NOTE! ▶ Optional Vacuum Pump for Evaporator : See the “Pump” Section.
▶ For the Information of Spare Parts : Visit www.DAIHAN-Sci.com Shopping Mall or Contact Us Directly.

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