



Fume Hood

User Guide

Model

FHB-1200, FHB-1500, FHB-1800
FHT-1200, FHT-1500, FHT-1800
FHD-1200, FHD-1500, FHD-1800

LK Lab Korea co., Ltd. +82-(0)31-572-4952

**Thank you for purchasing this product from LK
Lab Korea co., Ltd.**

**This user guide provides explanation of
function of product, user manual and cautions.
Be sure to read this manual thoroughly before
using this product.**

**Particular attention should be paid to the used
of the following warnings.**



Indicates the situation requires user's attention.
Be careful when operating or controlling during usage.

[Caution]



Indicates a dangerous situation.
Failure of this warning could result in serious injury of
equipment damage.

[Warning]

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1. Preparation

1.1 Product Introduction

The Fume Hood discharges the dust and harmful gases generated during experiments to outside. Various functions and safeguards maximize user convenience and safety.

1.2 Product Features

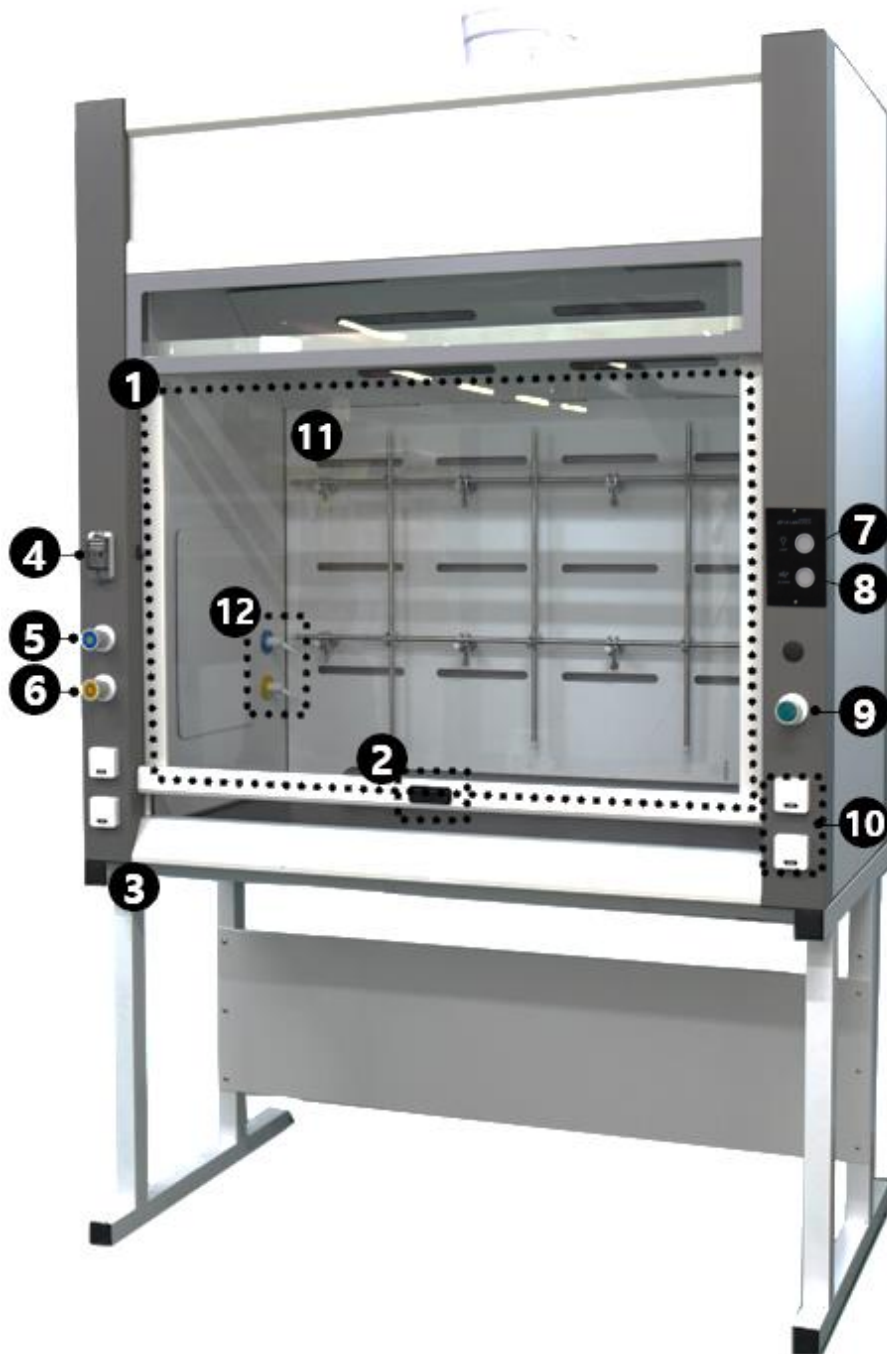
1.2.1 Performance and Convenience

- Provide various utility such as all kinds valves, drainage holes, power outlet...etc.
- Face Velocity Controller is available
- A various bottom type such as frame-type, cabinet-type are available
 - Exhaust cabinet can be installed at the bottom
 - Each side has transparency structure

1.2.2 Safety

- Short circuit / Over current circuit breaker
- Safety is assured by preventing Sash from opening above a certain height
- Installation of a protection frame for worktable to prevent the leaked fluid to go outside during experiments.

1.3 Product Structure



[Fume Hood]

[1] Sash

The door that adjust the height up and down

[2] Limit Switch

Using when the Sash is lifted up above the maximum height.

[3] Bottom Frame

Frame that supports the body of the product

[4] Short circuit

Overcurrent circuit breaker

[5] Air Valve

A device that control the amount of air

[6] Gas Valve

A device that control the amount of air

[7] Lamp Switch

Lamp ON/OFF

[8] Blower Switch

Blower ON/OFF

[9] Water Valve

A device that control the amount of water

[10] Outlet

Power socket

[11] Support Fame Holder

A device that fix the Support Fame

[12] Internal Cork

Connect with the outside valve

[13] Exhaust Pipe

The part that connect the exhaust system

[14] Power Cord

Power cable that provide the electricity

[15] Drainage Holes

Passageway that waste water discharge through piping

[16] Power distribution box

Box that the power connect

[17] Manual damper adjust handle

A device that control the amount of discharging air

1.4 Product Installation

1.4.1 Product Component

Main Body 1ea, Bottom Frame 1ea, User Guide 1ea

1.4.2 Product Installation Environment

- Avoid direct sunlight
- Install at a flat place with low vibration
- Do not install in a place where strong and high frequency noise may occur



- Install this product at an ambient temperature of 5 to 40 degree
- Install in a place where the ambient humidity is 80% or less

1.4.3 Power Connection

- Connect to the power terminal inside the power distribution box.
- Use the power cable with above 2.5SQ 3P cable.



- Work by a qualified electrician when connecting power

1.4.4 Air-conditioning system connection

- Exhaust connection must be worked by a qualified technician
- The connecting piping size is \varnothing 250mm
- Reduce the static pressure loss by minimizing the piping curve when the connecting.
- Central Air-conditioning system must be ensured so that inhaled face velocity is more than 0.5m/s

1.4.5 Service Valve installation

- All service valve consist of Ø10mm one-touch pitting
- If the pressure of the service valve exceeds 40PSI, a regulator should be installed to reduce the line pressure.

1.5 How to use

1.5.2 How to drive

- Turn on the Lamp and Blower switch
- Set the Sash to the proper height.
- Stabilize the product for about 5min

1.5.2 Precautions

- Wear personal protective equipment before use
- Do not put your head inside the product and use it
- Do not load stuffs between the back and bottom of the inside product for smooth airflow
- Do not use this product for storage
- Let the product run for 2~3 min to remove the contaminant at workspace after work.
- Turn off the Lamp and Blower and close the Sash after work

2. Maintenance

2.1 Maintenance

- If the main body becomes dirty, unplug the power cord then clean the contaminated area with alcohol
- If the product is not in use for a long time, unplug the power cord and wipe it clean to store



- Do not use strong acid or strong alkali or volatile solution to clean this product
- Perfectly dry after cleaning

2.2 Cause of abnormal problem and matter of management

2.2.1 If the product does not turn on

- Check the power supply
- Make sure that short circuit breaker is ON which is located on the main body
- Make sure that the power cord is securely connected
- Make sure that the breaker of the outlet is turned on which is connected to the main body

2.2.2 If Circuit Breaker of main body constantly experiencing short-circuit

- Please contact our A/S department

2.4 A/S

2.4.1 Warranty Period

The warranty period is 1 year from the date of purchase.

After 1 year, warranty service without charges are done and user needs to pay for repair or replacement of parts.

Within warranty period, user can receive A/S customer service from LK Lab Korea Co., Ltd. or product purchased store.

2.4.2 Exception from Warranty Period

Damage caused by fire or flooding, contamination due to unauthorized usage, not using liner power supply, usage during abnormal situation, misuse or malfunction will be the exceptions from receiving warranty service

2.4.3 How to receive A/S

First, contact our A/S department of product purchased store then enclose your contact information along with the detailed symptoms of the product that you are sending. You will receive a quotation of repair for you to make a decision for repairing.

If we do not hear from you within 2 weeks of submitting your quotation, the product will be returned.



- If product needs to be fixed, user must contact our A/S department or product purchased store to have it repaired. If disassemble the product or replace the parts on your own, it may not be possible to repair it.
- Damage beyond the normal fixing limit cannot be fixed.

A/S Department of LK Lab Korea co., Ltd. +82-(0)31-572-4952

3. Specification

Fume Hood

Cat. No.		H02-26-030	H02-26-060	H02-26-080
Model		FHB-1200	FHB-1500	FHB-1800
External Wide		1200 mm	1500 mm	1800 mm
Material	Internal	Phenol Plate		
	External	Phenol Plate		
	Working Plate	Phenol Plate 25t		
	Sash	Tempered Glass		
Dimension (w x d x h)	Internal (mm)	981 x 642 x 1143	1281 x 642 x 1143	1581 x 642 x 1143
	External (mm)	1200 x 815 x 2357	1500 x 815 x 2357	1800 x 815 x 2357
Power Outlet		220 V x 4ea		
Valve		Gas, Air, Water		
Lamp		LED (1ea)		LED (2ea)
Exhausted Hole		Ø 250 mm		

Table Top Fume Hood

Cat. No.		H02-26-500	H02-26-510	H02-26-520
Model		FHT-1200	FHT-1500	FHT-1800
External Wide		1200 mm	1500 mm	1800 mm
Material	Internal	Phenol Plate		
	External	Phenol Plate		
	Sash	Tempered Glass		
	Side Sash	Polycarbonate		
Dimension (w x d x h)	Internal (mm)	981 x 577 x 1203	1281 x 577 x 1203	1581 x 577 x 1203
	External (mm)	1200 x 750 x 1526	1500 x 750 x 1526	1800 x 750 x 1526
Power Outlet		220 V x 4ea		
Valve		Gas, Air, Water		
Lamp		LED (1ea)		LED (2ea)
Exhausted Hole		Ø 250 mm		

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Memo

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