

Fume Hood



General Application

Hoods: chemical sampling, cosmetics, production, vapor-generating experiments, slide coating, welding.

- 1) **Ductless Fume Hood:** For spaces where duct installation is difficult but air purification is required.
- 2) **Fume Hood, Small & Mobile Fume Extractor:** For mobile laboratory setups or compact spaces where air purification is necessary.
- 3) **Arm Hood:** For areas with central exhaust systems and easy duct connection above the workbench.

	Description	Filter	Working Table	Model	Page
Safe removal of harmful gas	Ductless Fume Hood <ul style="list-style-type: none"> Structure without duct connection Various filters and workbenches 	(Option/Select up to 2ea) Complex Carbon Acid Formaldehyde Ammonia/Amine HEPA	(Option/Select 1ea) Stainless Steel (#304, #316), Phenolic Laminate, Polypropylene, Bakelite, PVC	DLH	208
	Fume Hood (small) <ul style="list-style-type: none"> Convenient small tabletop hood Polyethylene material 	N/A	Polyethylene	PMH POH	210 211
	Mobile Fume Extractor <ul style="list-style-type: none"> Local exhaust and air purifying type Wide range of choices provided High-efficiency filter box included 	(Option/Select up to 2ea) Complex Carbon Acid Formaldehyde Ammonia/Amine HEPA Pre filter (standard)	N/A	EFS PFS	212 213
	Arm Hood <ul style="list-style-type: none"> Mountable on the ceiling or wall Configurable with lab table 	Arm material: Polypropylene, Aluminum	N/A	AH	216

※ The contents of the above and the contents of this catalog may differ depending on the specific model and conditions of use. For the information about the features and specifications that applying to each model, please check the information on the corresponding page of each model.



Leakage minimized using an integrated mold.



Exhaust via duct connection.



Purifies and discharges harmful gas through internal filter.



2 year warranty free A/S.

Ductless Fume Hood

Built-in filter hood without duct connection

Structural Functional Features

- Easy to move and install due to there being no duct connection.
- Filtered air circulates through the room, dramatically reducing the air conditioning costs for room air.
- Structure that allows for selection of the appropriate filter and table material according to the chemical used.
- Polyester fiber pre-filter is included as standard to maximize the life of the main filter.
- Fluorescent lamp is included to make it convenient for conducting experiments.
- Convenient utility hole for connection with external equipment is included in the back of the work surface.
- Transparent acrylic material for easy internal observation.
- Easy to move and fix the device.

Use Convenience Features

- Convenient handling of equipment due to convenient front opening.
- Provides a quiet environment with minimal noise.
- Port for filter performance test provided on the front for convenient periodical validation.
- It can be used more safely by applying the fume hood monitoring system. (option)

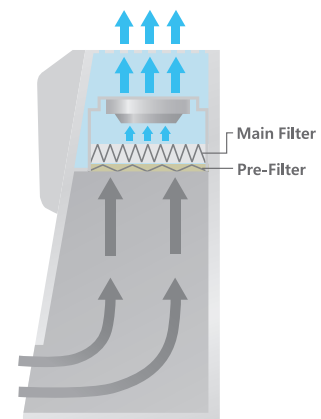
Reliability Verification Completed

- Designed, manufactured and self-certified according to international standards to protect users and the environment from fumes generated during experiments.
- SPS-KACA002-132 (Korean Air Cleaning Association)
 - Applies verified composite carbon filter to remove harmful gases.
 - Completed deodorization efficiency test. (VOC, acid, base).
- ANSI / ASHRAE 110-1995, NF EN 14175-1 (U.S.A / EU)
 - Front suction wind speed measurement. (average 0.4m/s or more)
 - Maintains average surface wind speed $\pm 20\%$ at all measuring points.
 - Localization of air flow observation / observation of large-volume smoke flow. (no opening leakage)
 - Tracer-gas measurement, and user bodily inhalation pollution test. (less than 0.05 ppm)



DLH-01G

with Stainless Steel work surface & Stand with Casters (option)
Pre filter, Fluorescent lamp (standard)



Specification

Model		DLH-01G	DLH-11G
Air	Face velocity (m/s / fpm)	0.4 / 80 (Initial set point)	0.4 / 80 (Initial set point)
	Main filter	Max. 2ea available	Max. 2ea available
	Pre-Filter	Polyester fibers	Polyester fibers
Fluorescent lamp intensity (Lux)		More than 600	More than 600
Dimensions	Exterior with stand (mm / inch)	900 x 660 x 1985 / 35.4 x 26 x 78.1	1200 x 660 x 1985 / 47.2 x 26 x 78.1
	Exterior without stand (mm / inch)	900 x 660 x 1250 / 35.4 x 26 x 49.2	1200 x 660 x 1250 / 47.2 x 26 x 49.2
	Interior (mm / inch)	880 x 640 x 800 / 34.6 x 25.2 x 31.5	1180 x 640 x 800 / 46.5 x 25.2 x 31.5
	Net weight (body) (kg / lbs)	100 / 220.5	118 / 260.1
	Net weight (body + stand) (kg / lbs)	120 / 264.6	140 / 308.6
Noise level (dB)		Less than 55	Less than 55
Electrical requirements (230V, 50/60Hz, A)		0.7	0.7
Cat. No.		AAHB2002K	AAHB2012K
Electrical requirements (120V, 60Hz, A)		1.3	1.3
Cat. No.		AAHB2003U	AAHB2013U

※ Standard : Main Body, Pre-Filter, Fluorescent Lamp



Useful Dedicated Controller

- Easy use with Jeio Tech dedicated controller.
- Fan speed control function to adjust inlet wind speed.
- Available to check the filter usage time.
- Set filter replacement timing, and alarm function for the elapsed time.

The Front Design Makes Convenient Usage

- Equipped wind gauge on the front to check the airflow state intuitively.
- Easily access the top cover at the front to do easy maintenance such as the replacement of the filter or fluorescent lamp.



Dedicated Controller



Anemometer



Front Cover

Accessories

Filters

Description	Application	DLH-01G	DLH-11G
Complex carbon filter	Filters a wide range of chemicals, including acid, ammonia, and aldehyde	AAAB2543	AAAB2544
Acid filter¹⁾	Filters acid gases such as HCl, HF, H ₂ S, and CH ₃ COOH	AAAB2545	AAAB2546
Formaldehyde filter	Filters formaldehyde, acetic aldehyde, etc.	AAAB2547	AAAB2548
Ammonia / Amines filter	Filters basic gases such as NH ₃ , (CH ₃) ₃ N, etc.	AAAB2549	AAAB2550
HEPA filter	Filters 99.99% of toxic dust and other 0.3µm particles	00EDA0009193	00EDA0009194
Pre filter	Primarily filters particles to extend the life of other filters	00EDA0009196	00EDA0009198

1) Please do not use high percentage of reactive acid such as perchloric acid.

Work surfaces / Stands

Description	DLH-01G	DLH-11G
Work surface (SS #304)	AAAB2501	AAAB2502
Work surface (SS #316)	AAAB2503	AAAB2504
Work surface (phenolic laminate)	AAAB2513	AAAB2514
Work surface (polypropylene)	AAAB2507	AAAB2508
Work surface (bakelite)	AAAB2509	AAAB2510
Work surface (PVC)	AAAB2511	AAAB2512
Stand with casters	AAAB2521	AAAB2522

- Select an appropriate table for your purpose.
- Easy installation with the dedicated stand.



Gas detector / Gas detecting tubes

Description	Cat. No.
Gas detector (KITAGAWA AP-20)	AAAB2531
Gas detecting tube (benzene, GASTEC-121SP (0.5-10ppm))	00EAA0001550
Gas detecting tube (toluene, GASTEC-122L (1-100ppm))	00EAA0001551
Gas detecting tube (acetic acid, GASTEC-81L (0.125-25ppm))	00EAA0001552
Gas detecting tube (chloroform, GASTEC-137 (4-400ppm))	00EAA0001553
Gas detecting tube (formaldehyde, GASTEC-91L (0.05-1ppm))	00EAA0001554
Gas detecting tube (ammonia, GASTEC-3L (0.5-60ppm))	00EAA0001555

- Easily check filter saturation.

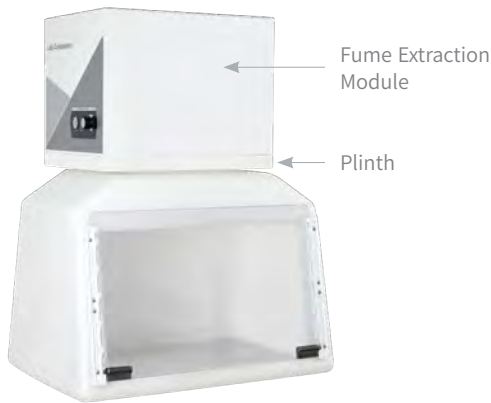


Fume Hood

Small type



Corrosion-resistant and compact design for multi-purposes



PMH-720
with Fume Extraction Module, Plinth (Option)



PMH-720
with Mobile Fume Extractor & Extraction Arm Hood (Option)

Structural Functional Features

- Lightweight, easy-to-move compact tabletop hood.
- Connected to the exhaust system of the facility or connected to a dedicated fume extractor.
- Easy to move and install if connected with exhaust system. (EM-33 or EFS-33)
- Sash door has 5 levels of height adjustment, transparent and made of solid polycarbonate material.
- Integral mold product that does not leak.
- Excellent space utilization through compact design.

Use Convenience Features

- No need for a separate exhaust system by using the dedicated Fume Extraction Module(EM-33) or Mobile Fume Extractor(EFS-33) where use a verified dedicated filter. (option)
- Excellent chemical resistance (polycarbonate material) and safe for handling strong acid and corrosive samples.
- Easy to clean as inner edges are curved.
- Bottom plate included. (standard)

Specification

Model		PMH-720
Required exhaust volume (m ³ /h) ¹⁾		100 / 170 ²⁾
Material	Body	PE (Polyethylene)
	Door / Guide	PC (Polycarbonate)
Dimension	Exterior (W x D x H, mm / inch)	720 x 472 x 535 / 28.3 x 18.6 x 21.1
	Front opening (W x H, mm / inch)	560 x 300 / 22.0 x 11.8
	Duct hole (O.D., mm / inch)	150 / 5.91
	Net weight (kg / lbs)	12 / 26.5
Cat. No.		AAAB5011

1) Air volume could be higher depending on the sash door height adjustment.
2) Exhaust volume measured based on airflow speed of 0.4 m/s for gas and 0.7 m/s for particle.

Accessories

Model	Cat.No.
Fume Extraction Module, EM-33	AAAF1536
Plinth for Fume Extraction Module	AAAF15363
Brackets for Extraction Arm Hood (Φ75)	AAAB6411
Extraction Arm Hood	AAAB6541
Mobile Fume Extractor with Extraction Arm Hood	AAHB6314



Molded Fume Hood

Small type (for observation)



Convenient internal observation and safe removal of generated fumes.



POH-720



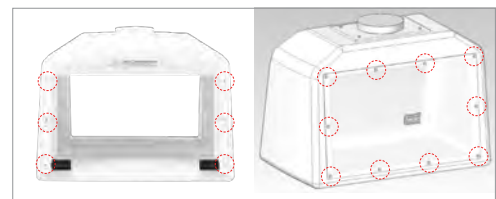
Free of the harmful fume can be increased learning effects and focused observation

Transparent design for educational purpose

- The front and back side are made by wide transparent window (PC), useful for simulation and observing in school. (only POH models)
- Excellent space utilization through compact design.
- Free of the harmful fume can be increased learning effect by selecting the filter type.

Integral mold product with compact size

- Integral mold product that does not leak.
- Polyethylene material ensures excellent chemical resistance and safe handling of strong acids and corrosive samples.
- Lightweight, easy-to-move compact tabletop hood
- Connected to the exhaust system of existing facilities or connected to a dedicated harmful gas eliminator.



Secure both the front rail and the rear transparent window with plastic bolts



Select exhaust type depending on space (PMH-720 / POH-720)

Specification

Model		POH-720
Required exhaust volume (m ³ /h) ¹⁾		100 / 170 ²⁾
Material	Body	PE (Polyethylene)
	Door / Guide	PC (Polycarbonate)
Dimension	Exterior (W x D x H, mm / inch)	720 x 472 x 535 / 28.3 x 18.6 x 21.1
	Front opening (W x H, mm / inch)	560 x 300 / 22.0 x 11.8
	Duct hole (O.D., mm / inch)	150 / 5.91
	Net weight (kg / lbs)	12 / 26.5
Cat. No.		AAAB5021

1) Air volume could be higher depending on the sash door height adjustment.
2) Exhaust volume measured based on airflow speed of 0.4 m/s for gas and 0.7 m/s for particle.

Accessories



Model	Cat.No.
Fume Extraction Module, EM-33	AAAF1536
Plinth for Fume Extraction Module	AAAF15363

Filter information for EM-33 [Page 225](#)

Mobile Fume Extractor

Local exhaust type



Optimized configuration according to an usage environment



EFS-33-50D

with Extraction Arm & Hood (option)



EFS-33-75S

with Extraction Arm & Hood (option)



EFS-33-75S

with with Extraction Arm & PMH-720



EFS-33-75S

with Extraction Arm, Hood & Table Bracket Set (Option)

Structural Functional Features

- Excellent space utilization through compact design.
- The body has a low height (650 mm) allowing it to be placed on the bench and on the bottom part of the table.
- Easy to control wind and intuitive display of fan level. (maximum 240m³/h)
- Better safe use of chemicals with durability and spark-free BLDC motor.
- The appropriate filter is selected according to the experiment environment. (option)
- Single / Dual arm, arm diameter, and hood are selected according to the usage environment. (option)

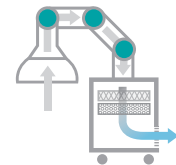
Use Convenience Features

- Pre-filter built in to extend other filter life.
- Up to 2 filters can be installed depending on the material used. (option)
 - ※ Example of filter configuration
HEPA Filter for removing dust and carbon filter for removing/neutralizing harmful gas.
- Soft wheels for easy movement and fixing.
- Low fan speed notification when fan speed is low.

Examples Of Diverse Applications

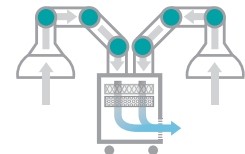
Single Arm

General configuration for 100% suction performance.



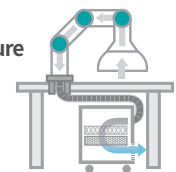
Dual Arm

Space-efficient configuration with two hoods used.



Laboratory table integral structure

Maximal space utilization with placement of the lower part of the testing bench.



Specification

Model	EFS-33-50S	EFS-33-50D	EFS-33-75S	EFS-33-75D
Adaptable Arm	Φ50 mm / 2.0 inch 1ea	Φ50 mm / 2.0 inch 2ea	Φ75 mm / 3.0 inch 1ea	Φ75 / 3.0 inch 2ea
Airflow Rate	240 m ³ /h			
Noise Level	60 dB			
Dimension (W x D x H, mm / inch)	460 x 460 x 650 / 18.1 x 18.1 x 25.6			
Net Weight (kg / lbs)	65 / 143.3			
Electric Requirement (230V, 50/60Hz, A)	1.5			
Cat. No.	AAHB6312	AAHB6313	AAHB6314	AAHB6315
Electric Requirement (120V, 60Hz, A)	2.5			
Cat. No.	AAHB6312U	AAHB6313U	AAHB6314U	AAHB6315U

Accessories Page 214 Extraction Arm, Hood, Filter, Table Bracket, Gas Detector & Tubes

Mobile Fume Extractor

Air purifying type



Effective removal of harmful gases and dust in laboratories

Structural Functional Features

- Excellent space utilization through compact design.
- Made of 100% impregnated filter, it is more than twice as efficient as general filters.
- Easy to control wind and intuitive display of fan level. (maximum 240m³/h)
- Better safe use of chemicals with durability and spark-free BLDC motor.
- Verified a cleaning capacity of 2.6 m³/min in an area of 20.3m² according to SPS-KACA002-132 standard.

Use Convenience Features

- Pre-filter built in to extend other filter life.
- Up to 2 filters can be installed depending on the material used. (option)
- HEPA Filter for removing dust and carbon filter for removing/neutralizing harmful gas.
- Soft wheels for easy movement and fixing.
- Low fan speed notification when fan speed is low.



PFS-33



Fan level controller

Specification

Model	PFS-33
Airflow rate	240m ³ /h
Maximum coverage¹⁾	20.3m ²
Noise level	≤ 60 dB
Fan	BLDC motor, 169W, 1.35A
Electric requirement	230V, 50/60Hz, 1.5A
Dimension (W x D x H, mm / inch)	460 x 460 x 650 / 18.1 x 18.1 x 25.6
Net weight (kg / lbs)	65 / 143.3
Material	Exterior: Epoxy powder coated steel / Interior: Stainless steel 304
Cat. No.	AAHB6411K

1) Measured at 21°C and 45%RH conditions.

Accessories [Page 215](#) Filter

Accessories

Extraction Arm

- Polypropylene with excellent chemical resistance.
- Diameter selected according to work type.
- Joint selected according to the working radius.

	Type	Description
Material	Polypropylene	Excellent chemical resistance
Diameter	50 mm / 2.0 inch	For fine work
	75 mm / 3.0 inch	For general work
Joint	3 Joint	More than 1.5 m working radius

※ Check out the selection guide at [Page 217](#) for details.

Hood

- $\Phi 50$ hood mounted on extraction arm as standard. (selection of white or clear)
- Shape selected according to the nature of the fumes and gases used.
- Material selected according to the work type.
- Strong and chemical resistant using PP and SBC materials.

	Type	Description
Shape	Square	Suction of substances heavier than air on the floor
	Dome	Suction of material lighter than air from the top
Material	Polypropylene, Opaque	Simple suction
	Styrene butadiene copolymer, Transparent	Suction as work progresses

※ Check out the selection guide at [Page 218](#) for details.

LC Magnet System

Convenient to replace

- Strong magnet attached on Arm end(Basic type) and corrosion resistant iron attached on the hood.
- No need the additional assembly.
- Sturdy attach with strong magnet securing the fume leakage.
- Provide each one of Dome type and Square type.

Various hood type

- In case the space is too small to place several arm hoods.
- Hood type can be selected depending on the properties of gas and the diffuse range of fume.



Convenient and quick replacement with strong magnet

Basic type (Arm end)

Table Bracket Set

- Bracket for fixing extraction arm to table and flexible duct hose for connecting to the main body.

Model	Dimension (W x D x H, mm / inch)	Cat. No.
Table Bracket Set ($\Phi 50$ mm / 2.0 inch)	165 x 254 x 110 / 6.5 x 10 x 4.3	AAAB6351
Table Bracket Set ($\Phi 75$ mm / 3.0 inch)	165 x 254 x 110 / 6.5 x 10 x 4.3	AAAB6352

Gas Detector & Tubes


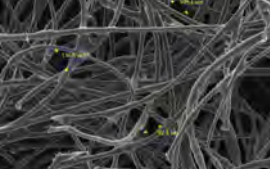

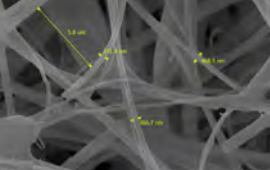

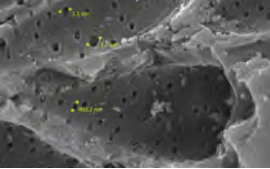
- Determine the exchange period by checking the status of the currently installed filter.

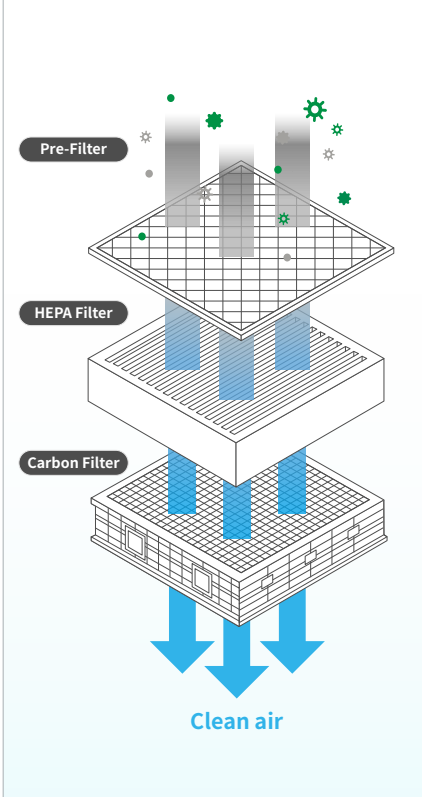
	Item	Cat. No.
Gas Detector	KITAGAWA AP-20	AAAB2531
	Benzene, GASTEC-121SP (0.5-10 ppm)	00EAA0001550
Gas Detecting Tube	Toluene, GASTEC-122L (1-100 ppm)	00EAA0001551
	Acetic acid, GASTEC-81L (0.125-25 ppm)	00EAA0001552
	Chloroform, GASTEC-137 (4-400 ppm)	00EAA0001553
	Formaldehyde, GASTEC-91L (0.05-1 ppm)	00EAA0001554
	Ammonia, GASTEC-3L (0.5-60 ppm)	00EAA0001555

Accessories Filter

Jeio Tech Filter Type and Process

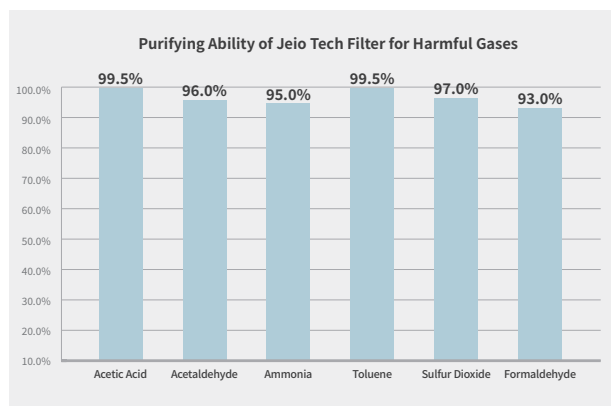
The exclusive filter series developed by Jeio Tech has been objectively verified by an accredited laboratory.

Type	Image	Magnification
Pre-Filter		
HEPA Filter		
Carbon Filter		



- ※ The Jeio Tech's carbon filter is an excellent amorphous adsorbent with a high surface area, has fine pores, and is manufactured through a multi-level impregnation process.
- ※ Made of 100% impregnated filter, it is more than twice as efficient as general filters.
- ※ Has the efficiency of an excellent composite filter as it simultaneously performs physical adsorption and chemical adsorption.

Purifying Ability of Jeio Tech Filter for Harmful Gases



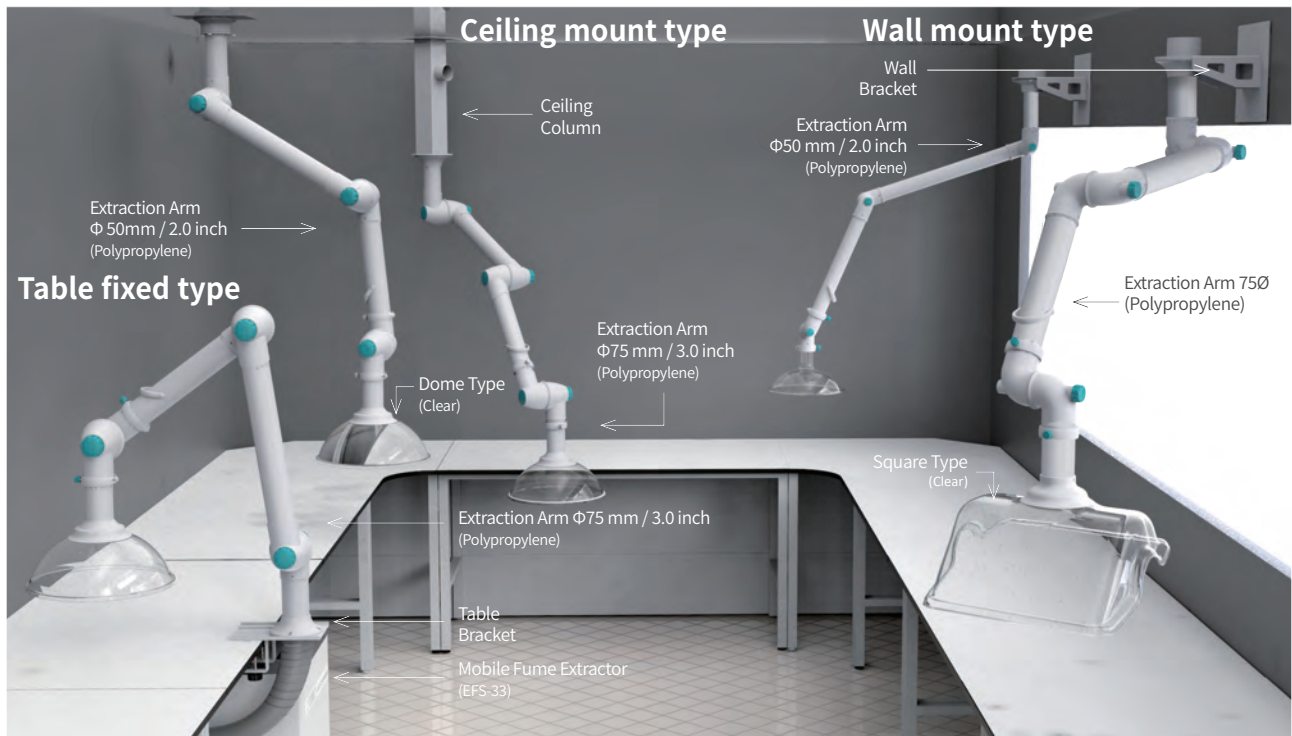
Authorized by KOREA CONFORMITY LABORATORIES

Filter	Description	Cat. No.
Complex Carbon	Filters a wide range of chemicals, including acid, ammonia, and aldehyde.	AAAB6354
Acid	Filters acid gases such as HCl, HF, H ₂ S and CH ₃ COOH	AAAB6356
Formaldehyde	Filters formaldehyde, acetate aldehyde, etc.	AAAB6358
Ammonia / Amines	Filters basic gases such as NH ₃ , (CH ₃) ₃ N, etc.	AAAB6359
HEPA	Filters 99.99% of toxic dust and other 0.3 μm particles	AAAB6353
Pre-Filter	Primarily filters particles to extend the life of other filters.	AAAB6360

- ※ Select a suitable filter according to the chemical used.
- ※ For the built-in pre-filter, the Particle is filtered first to extend the life of the other filter.

Extraction Arm Hood

Direct connection to external exhaust system to remove dust and harmful gases



Structural Functional Features

- Powerful exhaust possible with central exhaust system.
- The place to install, extraction arm, hood, column, and bracket are selected according to user's working environment and usage.
- Knobs used for freely adjusting the angle of each joint.
- Easy 360-degree rotation for convenient placement to the desired point.
- Equipped with a damper that can open and close the passage of the arm and adjust the wind speed.
- A dome hood is fitted as standard on the $\Phi 50$ arm.

Product Configuration Guide

- Place and surrounding environment desired for installation
 - Column and bracket selected to decide whether to fix arm to wall/ceiling/table in the workspace.
- Working radius
 - 3 Joint, up to a radius of 1.5 m
- Operation type
 - 75mm for general use and 50mm for fine work selected according to the volume to be subjected to suction.
 - In case of suction only, opaque hood / In case of inhalation during operation, transparent hood.
- Properties of used fumes and gases
 - Polypropylene with excellent chemical resistance
 - Dome hood and square hood selected considering the weight compared to air.



Polypropylene with excellent chemical resistance



Knob for angle adjustment



360° rotatable structure

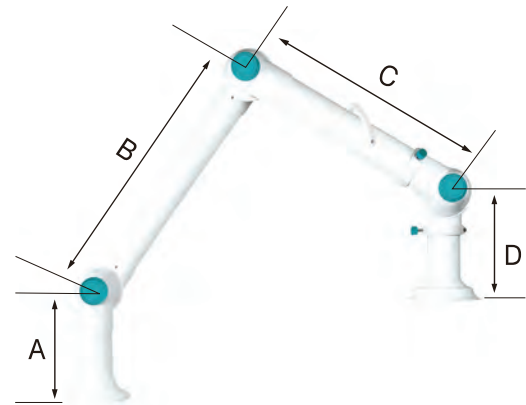


Damper for controlling wind speed

Extraction Arm

	Type	Description
Material	Polypropylene	Excellent chemical resistance
Diameter	50 mm	For fine work
	75 mm ²⁾	For general work
Joint	3 Joint	Radius 1480 ~ 1780 mm / 58.3 ~ 70.1 inch

- 1) Weak against scratching due to the nature of the material.
2) 75mm radius used in the case of mist.



Specification

Model			Extraction Arm, Length (mm / inch)					Weight (kg / lbs)	Cat. No.
			A	B	C	D	Total		
75mm / 3.0 inch diameter, Polypropylene	3 Joints	AH-3160	250 / 9.8	640 / 25.2	530 / 20.9	260 / 10.2	1680 / 66.1	2.4 / 5.3	AAAB6541
	3 Joints	AH-3160C	250 / 9.8	640 / 25.2	530 / 20.9	260 / 10.2	1680 / 66.1	2.4 / 5.3	AAAB6542
50mm / 2.0 inch diameter, Polypropylene	3 Joints	AH5-3160	250 / 9.8	640 / 25.2	540 / 21.3	250 / 9.8	1680 / 66.1	1.4 / 3.1	AAAB6563
	3 Joints	AH5-3160C	250 / 9.8	640 / 25.2	540 / 21.3	250 / 9.8	1680 / 66.1	1.4 / 3.1	AAAB6566

Bracket & Column

- Column of suitable height is selected based on the ceiling height.
- Excellent durability due to powder coating.



Ceiling Bracket



Ceiling Column



Ceiling Column (for textured ceiling)










Wall Bracket

Specification

Model	Dimension (W x D x H, mm / inch)	Cat. No.
Ceiling Bracket	260 x 260 x 2 / 10.2 x 10.2 x 0.08	AAAB6508
	100 x 100 x 250 / 3.9 x 3.9 x 9.8	AAAB6512
Ceiling Column	100 x 100 x 500 / 3.9 x 3.9 x 19.7	AAAB6513
	100 x 100 x 750 / 3.9 x 3.9 x 29.5	AAAB6514
	100 x 100 x 1000 / 3.9 x 3.9 x 39.4	AAAB6515
	100 x 100 x 1250 / 3.9 x 3.9 x 49.2	AAAB6516
	100 x 100 x 1500 / 3.9 x 3.9 x 59.1	AAAB6517
	100 x 250 / 3.9 x 9.8 (∅ x H, mm / inch)	AAAB6518
	100 x 500 / 3.9 x 19.7 (∅ x H, mm / inch)	AAAB6519
Wall Bracket	158 x 259 x 82 / 6.2 x 10.2 x 3.2	AAAB6510

Hood

Image	Type	Material	Description
	Basic type	Polypropylene	<ul style="list-style-type: none"> · When the emission range of the source is narrow. · When the source can be collected at close range.
	Dome type (Clear)	Styrene butadiene copolymer	<ul style="list-style-type: none"> · When the emission range of the source is wide. · Used for capturing light gas.
	Dome type (White)	Polypropylene	
	Square type (Clear)	Styrene butadiene copolymer	<ul style="list-style-type: none"> · When heavy gas is collected, one side is supported on the table and used like a shield.
	Square type (White)	Polypropylene	
	Dome & Square hood of LC Magnet System (Clear)	Styrene butadiene copolymer	<ul style="list-style-type: none"> · Applied a magnet on the connection part, easy to change a hood depending on the gas properties.
	Hood type (White)	Polyethylene	<ul style="list-style-type: none"> · Compact total hood form, securely blocking the user's gas inhalation.



Dome type



Square type



Hood type

Specification

Diameter	Type	Dimension	Color	Material	Cat. No.
Φ75 mm / 3.0 inch	Basic	171 / 6.7 (Ø, mm / inch)	White	Polypropylene	Standard
		280 x 110 / 11 x 4.3 (Ø x H, mm / inch)	Clear	Styrene butadiene copolymer	AAAB6251
	Dome	400 x 140 / 15.7 x 5.5 (Ø x H, mm / inch)	White	Polypropylene	AAAB6221
			Clear	Styrene butadiene copolymer	AAAB6211
	Square	494 x 390 x 245 / 19.4 x 15.4 x 9.6 (W x D x H, mm / inch)	White	Polypropylene	AAAB6241
			Clear	Styrene butadiene copolymer	AAAB6231
LC Magnet System* (Dome & Square)	Dome: 400 x 140 / 15.7 x 5.5 (Ø x H, mm / inch) Square: 494 x 390 x 245 / 19.4 x 15.4 x 9.6 (W x D x H, mm / inch)	Clear	Styrene butadiene copolymer	AAAB6250	
Φ50 mm / 2.0 inch	Dome	294 x 180 / 11.6 x 7.1 (Ø x H, mm / inch)	White	Polypropylene	Clear Dome (Standard) (Optional White Dome)
			Clear	Styrene butadiene copolymer	

※ Ø75 Basic hood is provided as an integral part of the extraction arm and is used for suction of small volumes of material in confined spaces.

※ Ø50 Dome hood is provided as standard on the extraction arm and able to select material when ordering.

* LC Magnet System is a set of arm end, dome hood, and square hood with magnetic attachments so that users can easily replace the hood within seconds.

Recommended configuration of Mobile Fume Extractor for each application

Application	Details	Recommended Hood Type	Hood Position / Airflow Velocity(m/s)	Recommended Filter
Medical / Dentistry / Veterinary	Fumes from laser treatment	50Φ Basic	Side / 0.5	HEPA & Carbon
	Dentist dust and chemical uses	75Φ Basic or Chamber	Side / 0.5	HEPA & Carbon
	Aerosol from anesthetic	75Φ Dome or Square	Side / 0.5	Carbon or HEPA & Carbon
	Use of biopsy chemicals in clinical laboratory	Chamber	Surround / 0.4	Carbon or HEPA & Carbon
Pharmaceuticals	Dust and fume from odorous chemicals in the pharmaceutical laboratory	75Φ Basic	Side / 1.0 Above / 1.2	HEPA or HEPA & Carbon
		Chamber	Surround / 0.7	HEPA
Metal / Acrylic craft	Hazardous fumes and dust from molten metal and welding during the metal cutting process	Basic or Dome	Dust: Side / 1.2 Fume: Side / 0.5	HEPA or HEPA & Carbon
Electronic engineering	Fumes from brazing and soldering	75Φ Dome or 50Φ Basic	Side / 0.5	Carbon or HEPA & Carbon
Laboratory	Science experimental education	75Φ Dome	Dust: Side / 1.2 Fume: Side / 0.5	Carbon or HEPA & Carbon
		Chamber (For Formalin Users)	Surround / 0.4	Carbon or HEPA & Carbon
Chemicals/Biologicals / Agricultural	Hazardous chemicals from acid and base	75Φ Dome or Square	Dust: Side / 1.2 Fume: Side / 0.5	Carbon or HEPA & Carbon
		Chamber (For Formalin Users)	Surround / 0.4	

※ Applied based on the Korea Occupational Safety and Health Act

Biosafety Cabinet & Clean Bench



General Application

Biosafety Cabinet: Handling pathogens and infectious samples, tissue culture, media dispensing, drug development, etc. BSL3 is mandatory, BSL2 is recommended.

Clean Bench: Non-toxic sap, DNA/RNA purification, plant tissue culture, solid medium division, electronic inspection, medical equipment assembly, pharmaceuticals, etc.

PCR workstation: Medical equipment assembly, PCR sample preparation, volatile staining, sterile medium division, tissue fixation/staining preparation.

UV-sterilization Cabinet: Sterilized to prevent DNA/RNA contamination.

	Description	Filter	Working Table	Model	Page
Protect user/ sample/ environment	Biosafety Cabinet <ul style="list-style-type: none"> • Class II A2 type: Protects the user, environment, and samples • Durable ECM motor: Ensures long-lasting performance. 	Exhaust ULPA (standard) Supply ULPA (standard)	Stainless Steel #304	JB-A	196
	Clean Bench <ul style="list-style-type: none"> • Fully validated • Superior user convenience 	HEPA Pre filter (standard)	Stainless Steel #304	BC-H BC-B	200 202
Protect sample	PCR Workstation <ul style="list-style-type: none"> • Convenient PCR working environment • Easy wind speed control 	HEPA Pre filter (standard)	Polycarbonate	PW	203
	UV-Sterilization Cabinet <ul style="list-style-type: none"> • Sterilized with UV light • Stainless steel work surface 	N/A	Stainless Steel #304	UVC	204

※ ※ The contents of the above and the contents of this catalog may differ depending on the specific model and conditions of use. For the information about the features and specifications that applying to each models, please check the information on the corresponding page of each models.



Satisfaction with the requirements of European regulations and guidelines.



Ensuring the reliability of electronic records and signatures to support GMP audit.



Bluetooth connection available for mobile control.



Registered patent based on Jeio Tech's proprietary technology.



If sash door is opened, automatically UV light is off and fluorescent light and fan are operated.



Differentiated diffusing muffler produces good laminar flow.



Equipped with UV Light.



Equipped with the same controller inside and outside for convenience.



Purifies and discharges harmful gas through internal filter.



2 year warranty free A/S.

Biosafety Cabinet

Safe Experiment Environment Certified by EN 12469

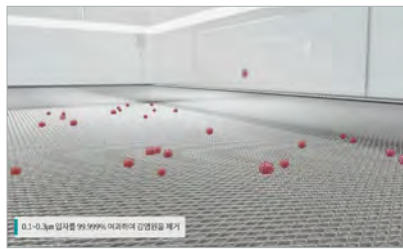
- Airflow design that protects users, samples, and the environment by separating indoor air from internal air of the equipment.
- By applying ULPA filter that can filter particles of 0.1~0.3 um by 99.999%, it provides more reliable and clean workspace than traditional HEPA filter.
- Maintains a stable airflow velocity with an inflow of 0.53 m/s and a downflow of 0.31 m/s when the sash height is 210 mm. (Certified by EN 12469)



JB-15A



Microbial Challenge Test Completed



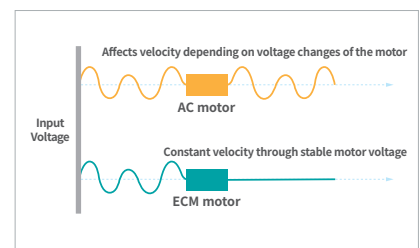
ULPA filter that removes 99.999% of 0.1~0.3 um particles



Canopy (Option) that removes small quantities of volatile chemicals

Application of ECM Motor with High Durability and Excellent Energy Efficiency

- Embedded ECM (Electronically Commutated Motor) which generates low heat and maintains a constant airflow velocity under voltage fluctuations (unstable voltage) or heavy filter loads.
- Low noise compared to conventional AC motor-applied equipment can reduce the fatigue of the user during prolonged experiments.
- Realize office environment noise level. (60 dB)



Comparison of the motor control depending on voltage change (AC vs ECM)

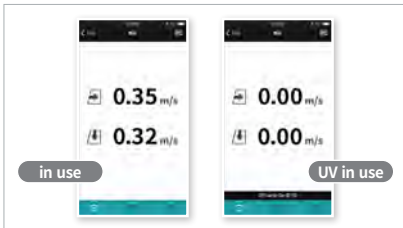
Safety Function to Concentrate on Experiments

- Monitors velocity and temperature, and generates an alarm when it exceeds the ranges.
- Generates visual and audio alarms for abnormal power supply, abnormal sensor, and accessories replacement for immediate safety measures.
- Records the most recent 20 alarms, and separately manages replacement alarms of the main accessories for useful experiment feedback.
- A UV-protecting tempered glass is applied and resistant to shock. The glass breaks into small pieces in case of breakage to prevent injury to the user.
- Removes small quantities of volatile chemicals or radioactive isotopes using Canopy. (Option)



Smart Technologies

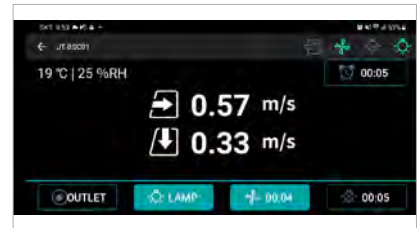
- Sash door, UV lamp, LED lamp, and blower are interconnected allowing for integrated control by opening/closing sash door. (Patented in Korea)
- Real-time push notification to mobile devices and live monitoring of temperature and airflow data with LC Connected. (Requires LC GreenBox, option)
- Offers both 'Auto Start' mode (fan and lamp start/stop based on sash position), and 'Manual' mode (manually control fan and lamp to customize user environment).
- Users can easily check status during experiments with their mobile devices and adjust settings without removing their hands. (LC Bluetooth, option)



Real-time mobile monitoring (Option)



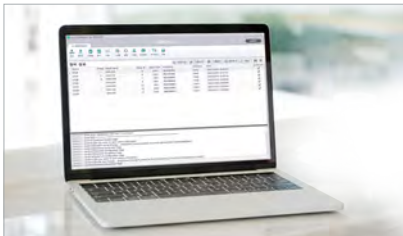
Push notification to smartphone (Option)



Using LC Bluetooth helps to prevent cross-contamination (Option)

User Convenience

- Integrates with LC DataKeeper, compliant with 21 CFR Part 11, to support GMP audits (option).
- Safe experiment environment with Post-purge: fan runs for a set time to remove residual contaminants before shutdown.
- Two outlets for small equipment; outlet power can be enabled/disabled via touch controller.
- Events logged for easy tracking and separate records for filter, lamp, and UV lamp replacements for streamlined maintenance.
- MagPost™: internal steel plate in walls allows for convenient magnetic board use.



Data integrity software for GMP audit support (Option)



MagPost™ minimizes human error by attaching protocols with magnets



Consumable replacement alarm history

Ergonomic Structure

- Easy to clean working tray with handles, and convenient disposal of dirty water through drain valve.
- An ergonomic armrest designed for comfortable arm positioning during experiments.
- Seamless single-plate workstation prevents microbial contamination and allows easy cleaning.
- Built-in outlets and valves for suction pumps come as standard, with additional service valve provided for easy space utilization.



Easy-to-clean Working Tray



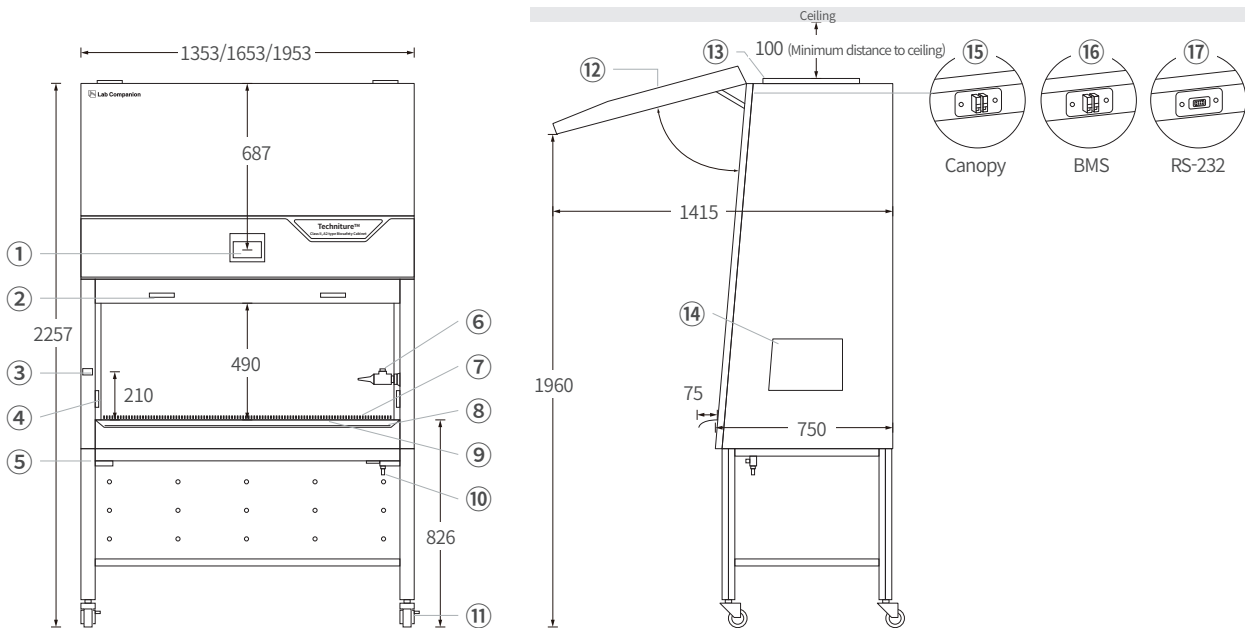
Arm Rest for Comfortable Experiments



Seamless structure to prevent contamination in fine gaps

Dimension

(Unit: mm)



- | | | | |
|--------------------------|-----------------------|--------------------------|-------------------|
| 1. Control panel | 6. Service cock valve | 11. Fixable caster | 16. Alarm contact |
| 2. Sash door & Handle | 7. Air slot | 12. Front cover | 17. RS-232 port |
| 3. Safe sash height | 8. Arm rest | 13. Exhaust filter cover | |
| 4. Internal power outlet | 9. Work surface | 14. Service nozzle inlet | |
| 5. Stand* | 10. Drain valve | 15. Canopy alarm port | |

* Stand size (W x D x H, mm / inch)

JB-12A : 1353 x 700 x 735 / 53.3 x 27.6 x 28.9 JB-15A : 1653 x 700 x 735 / 65.1 x 27.6 x 28.9 JB-18A : 1953 x 700 x 735 / 76.9 x 27.6 x 28.9

Specification

Models		JB-12A	JB-15A	JB-18A
Type		Class II A2		
Air	Airflow type	Vertical laminar flow		
	Filter	ULPA, typical efficiency of 99.999% at 0.1~0.3 μm		
	Downflow velocity (m/s)	0.31±0.025		
	Inflow velocity (m/s)	0.53±0.025		
	Exhaust volume (m ³ /h)	452	562	672
Material	Main body	Epoxy powder coated steel		
	Working surface	Stainless steel #304		
	Sash	UV absorbing tempered glass (5.0T)		
Dimensions	External (W x D x H, mm / inch)	1353 x 824 x 2257 / 53.3 x 32.4 x 88.9	1653 x 824 x 2257 / 65.1 x 32.4 x 88.9	1953 x 824 x 2257 / 76.9 x 32.4 x 88.9
	Working area (W x D x H, mm / inch)	1230 x 572 x 658 / 48.4 x 22.5 x 25.9	1530 x 572 x 658 / 60.2 x 22.5 x 25.9	1830 x 572 x 658 / 72.0 x 22.5 x 25.9
	Sash max opening (mm / inch)	515 / 20.3		
	Working opening (mm / inch)	210 / 8.3		
Noise level (dB)		< 57 db	< 58 db	< 60 db
LED lamp intensity (Lux)		More than 800		
Net weight with stand (kg / lbs)		305 / 672	347 / 765	390 / 860
Power Consumption (230V, 50/60Hz) (W)		308	374	418
Cat. No. (Body + Stand)		AAAB8001	AAAB8002	AAAB8003
Cat. No. (Body only)		AAAB8101K	AAAB8102K	AAAB8103K
Cat. No. (Stand only)		AAAB5101K	AAAB5102K	AAAB5103K

※ The unit comes standard with an ULPA filter, UV lamp, LED lamp, and 2 service valves.

Accessories

(Unit: mm)

Designation	Cat. No.	Model	Description
ULPA filter set (2 ULPA filters)	AAAB8511	JB-12A	670 x 457 x 120 and 1209 x 457 x 65
	AAAB8512	JB-15A	870 x 457 x 120 and 1509 x 457 x 65
	AAAB8513	JB-18A	1070 x 457 x 120 and 1809 x 457 x 65
Canopy	AAAB8551	JB-12A	708 x 441 x 285
	AAAB8552	JB-15A	905 x 441 x 285
	AAAB8553	JB-18A	1105 x 441 x 285
UV lamp	CHE0004423	JB-12A/JB-15A/JB-18A	Ø26*890
LED lamp	BSC0000071	JB-12A/JB-15A/JB-18A	Ø16*850
IV bar	AAAB8521	JB-12A	Ø15.8*1223
	AAAB8522	JB-15A	Ø15.8*1523
	AAAB8523	JB-18A	Ø15.8*1823
Service cock valve	AAAB8531	JB-12A/JB-15A/JB-18A	86 x 131 x 64
Suction pump	BEA1002901	JB-12A/JB-15A/JB-18A	160 x 120 x 150
LC-Bluetooth	AAAB8541	JB-12A/JB-15A/JB-18A	Supported from Android 9 and above, iOS 11 and above
Tablet PC for LC-Bluetooth	BEA0008542	JB-12A/JB-15A/JB-18A	Contact to salesperson
LC GreenBox	AAHQ1011K	JB-12A/JB-15A/JB-18A	Supported from Android 9 and above, iOS 11 and above
LC DataKeeper-Basic	SSA11001	JB-12A/JB-15A/JB-18A	FDA 21 CFR Part 11 compliant software, 1 year license
LC DataKeeper-Pro	SSA11002	JB-12A/JB-15A/JB-18A	FDA 21 CFR Part 11 compliant software, permanent license

※ The unit comes standard with an ULPA filter, UV lamp, LED lamp, and 2 service valves.
 ※ The Trial version of LC DataKeeper is available for 30 days and features same as Basic.

Biosafety Cabinet vs. Clean Bench vs. Fume Hood: Similar Appearance, Different Functions

Biosafety Cabinet

Protecting Users, Samples, and the Environment Simultaneously

Sample	User	Environment
✓	✓	✓

- Safe Zone
- Indoor Air
- Contaminated Air Passed Through Samples
- Clean Air Passed Through ULPA

Airflow of Biosafety Cabinet

Air entering through the sash door doesn't directly enter the chamber; instead, it moves to the top through a negative pressure plenum along with the air that has passed through the chamber. Some of this air is purified and exhausted through the exhaust ULPA filter, while some is purified by the supply ULPA filter to create vertical laminar airflow inside the chamber, ensuring the protection of users, samples, and the environment simultaneously.

Clean Bench

Preventing Cross-Contamination of Samples

Sample	User	Environment
✓	✗	✗

- Safe Zone
- Indoor Air
- Contaminated Air Passed Through Samples
- Clean Air Passed Through ULPA

Airflow of Clean Bench

Air entering from the top is filtered through a HEPA filter by a fan and provided creating vertical laminar airflow inside the chamber. The air passing through the chamber is discharged through the sash opening, preventing cross-contamination of samples.

Fume Hood

Protecting Users from Harmful Gases

Sample	User	Environment
✗	✓	✗

- Safe Zone
- Indoor Air
- Air Containing Harmful Gases such as Samples

Airflow of Fume Hood

Indoor air enters the chamber through the sash opening, and the air inside the chamber exits through the rear baffle into a central exhaust duct. It safely protects users from harmful gases that can affect respiratory health.

Clean Bench

Advanced type

Easy to use with dual controller and smart system

Structural Functional Features

- Dedicated controller and digital airflow sensor allow for operation at set wind speed even with fluctuations in sash height, minimizing power consumption and dramatically increasing HEPA filter life.
- Polyester fiber pre-filter extends the life of the HEPA filter.
- High-performance HEPA filter provides a clean environment. (99.99% removal of 0.3 μm particles, Class H14 according to EN 1822)
- Formation of reliable and uniform laminar flow through application of specialized diffusing muffler system.
- Easy to replace the filter on the front panel.
- Easy to move and fix the device.

Use Convenience Features

- Displays the temperature and humidity inside the workspace.
- Warning provided when the sash door is opened over the recommended height during operation.
- Easy and smooth sash door operation.
- Provides a quiet environment with minimal noise.
- Easy to operate with clear VFD and touch keys.
- UV lamp, fluorescent lamp, blower-dedicated button.
- Easy to check wind speed, temperature and humidity.

Outstanding Safety

- Smart door system protects the experimenter from UV light exposure.
- Toughened glass sash door blocks UV light.
- Protected from overcurrent.

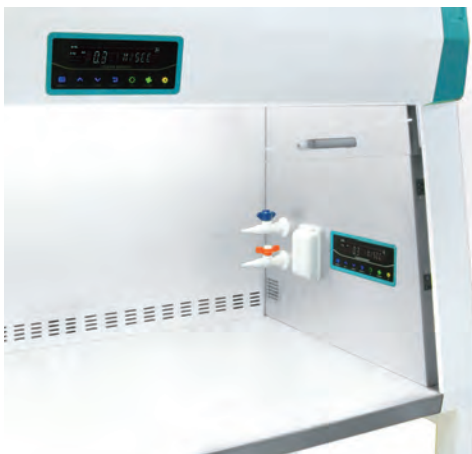


BC-11H

with Stand, HEPA filter, gas cock (option)
Pre filter, UV Lamp, Fluorescent lamp Electrical socket (standard)

Completed internal cleanliness evaluation and microbiological testing compatibility test.

- Internal cleanliness rating (ISO 14644-1 standard)
Equivalent to ISO Class 2
(Experiment with sterile environment can be carried out from ISO Class 5, US Federal Class 100)
- Microbiological testing (ISO 14698 standard)
ISO Class 5 rating, satisfies the microbiological testing standards



Product Configuration For Easy Use

Easy operation during use with dual controller

- Equipped with the same controller inside and outside, it is convenient to operate the equipment even during work.

Built-in gas and air connection valves and power outlet

- Valves for gas and air use inside.
- Built-in electrical outlet with cover provided.



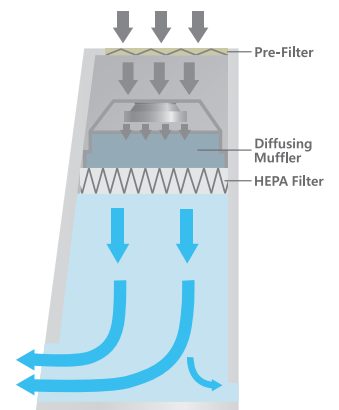
Smart Door System (Patent Granted)

- When the sash door is opened during UV sterilization, the UV lamp is automatically turned off to protect against UV exposure, and the fluorescent lamp and blower are automatically operated. (Korean Patent)



Smart Maintenance

- HEPA filter status checking**
Self-checking of HEPA filter status with a digital differential pressure sensor.
- UV lamp replacement notification**
UV irradiation intensity is monitored by a UV sensor, and an automatic replacement notification is provided when irradiation intensity drops below 80%.



Specification

Model		BC-01H	BC-11H	BC-21H
Air	Air flow type	Vertical Laminar Flow	Vertical Laminar Flow	Vertical Laminar Flow
	Airflow velocity (m/sec/fpm)	0.3 / 59	0.45 / 89	0.3 / 59
	Main filter	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)
	Pre-filter	Polyester Fibers	Polyester Fibers	Polyester Fibers
Illumination	U.V. lamp (254 nm, W)	25 x 1ea	30 x 1ea	25 x 2ea
	Fluorescent lamp (W)	30 x 2ea	30 x 2ea	32 x 2ea
	Fluorescent lamp intensity (Lux)	More than 650	More than 650	More than 650
Dimensions	Exterior with stand (W x D x H, mm / inch)	1135 x 620 x 1860 / 44.7 x 24.4 x 73.2	1435 x 620 x 1860 / 56.5 x 24.4 x 73.2	2035 x 620 x 1860 / 80.1 x 24.4 x 73.2
	Exterior without stand (W x D x H, mm / inch)	1135 x 620 x 1150 / 44.7 x 24.4 x 45.3	1435 x 620 x 1150 / 56.5 x 24.4 x 45.3	2035 x 620 x 1150 / 80.1 x 24.4 x 45.3
	Interior (W x D x H, mm / inch)	945 x 585 x 670 / 37.2 x 23.0 x 26.4	1245 x 585 x 670 / 49.0 x 23.0 x 26.4	1845 x 585 x 670 / 72.6 x 23.0 x 26.4
	Net weight (kg / lbs)	140 / 308.6	185 / 407.9	225 / 496
	Net weight (body + stand) (kg / lbs)	170 / 374.8	215 / 474	255 / 562.2
Noise level (dB)		Less than 65	Less than 65	Less than 65
Electrical requirements (230V, 50/60Hz, 1ph, A)		1.38	1.73	2.30
Cat. No.		AAHA5012K	AAHA5022K	AAHA5032K
Electrical requirements (120V, 60Hz, 1ph, A)		2.62	3.27	4.36
Cat. No.		AAHA5013U	AAHA5023U	AAHA5033U

Accessories **Page 205** HEPA Filter, Pre-filter, Stand, Gas Cock

Clean Bench

Basic type



Vertical laminar flow clean benches offer quick operation by simple adjustable analog control

Structural Functional Features

- High-performance HEPA filter provides a clean environment. (99.99% removal of 0.3 μm particles, Class H14 according to EN 1822)
- Polyester fiber pre-filter extends the life of the HEPA filter.
- Formation of reliable and uniform laminar flow through application of specialized diffusing muffler system.
- Easy to replace the filter on the front panel.
- Easy to move and fix the device.
- Internal cleanliness rating (ISO 14644-1 standard) Equivalent to ISO Class 2, Microbiological testing (ISO 14698 standard) ISO Class 5 rating, satisfies the microbiological testing standards (Experiment with sterile environment can be carried out from ISO Class 5)

Use Convenience Features

- Determines when to replace the filter with the built-in differential pressure gauge.
- Easy operation and wind speed control.
- Built-in gas and air connection valves and power outlet.
- Easy and smooth sash door operation.
- Provides a quiet environment with minimal noise.
- Height-adjustable caster for easy vertical installation.

Outstanding Safety

- When the sash door is opened in when UV is ON, UV is automatically turned off for user protection.
- Toughened glass sash door blocks UV light.
- Protects against UV exposure through three modes of illumination. (UV/Fluorescent/Off)



BC-11B

with stand, HEPA filter (option)
Pre filter, UV Lamp, Fluorescent lamp, Electrical socket
Differential pressure gauge (standard)



Controller



Differential pressure gauge

Specification

	Model	BC-01B	BC-11B	BC-21B
Air	Air flow type	Vertical Laminar Flow	Vertical Laminar Flow	Vertical Laminar Flow
	Airflow velocity (m/sec/fpm)	0.3 / 59	0.45 / 89	0.3 / 59
	Main filter	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)
	Pre-filter	Polyester Fibers	Polyester Fibers	Polyester Fibers
Illumination	U.V. lamp (254 nm, W)	25 x 1ea	30 x 1ea	25 x 2ea
	Fluorescent lamp (W)	30 x 2ea	30 x 2ea	32 x 2ea
	Fluorescent lamp intensity (Lux)	more than 650	more than 650	more than 650
Dimensions	Exterior with stand (W x D x H, mm / inch)	1135 x 620 x 1860 / 44.7 x 24.4 x 73.2	1435 x 620 x 1860 / 56.5 x 24.4 x 73.2	2035 x 620 x 1860 / 80.1 x 24.4 x 73.2
	Exterior without stand (W x D x H, mm / inch)	1135 x 620 x 1150 / 44.7 x 24.4 x 45.3	1435 x 620 x 1150 / 56.5 x 24.4 x 45.3	2035 x 620 x 1150 / 80.1 x 24.4 x 45.3
	Interior (W x D x H, mm / inch)	945 x 585 x 670 / 37.2 x 23.0 x 26.4	1245 x 585 x 670 / 49.0 x 23.0 x 26.4	1845 x 585 x 670 / 72.6 x 23.0 x 26.4
	Net weight (kg / lbs)	140 / 308.6	185 / 407.9	225 / 496
	Net weight (body + stand) (kg / lbs)	170 / 374.8	215 / 474	255 / 562.2
Noise Level (dB)	Less than 65	Less than 65	Less than 65	
Electrical requirements (230V, 50/60Hz, 1ph, A)	1.38	1.73	2.30	
Cat. No.	AAHA6012K	AAHA6022K	AAHA6032K	
Electrical requirements (120V, 60Hz, 1ph, A)	2.62	3.27	4.36	
Cat. No.	AAHA6013U	AAHA6023U	AAHA6033U	

Accessories [Page 205](#) HEPA Filter, Pre-filter, Stand, Gas Cock, Differential Pressure Gauge

Specially designed to minimize the sample contamination during PCR

Structural Functional Features

- High-performance HEPA filter provides a clean environment. (99.99% removal of 0.3 μm particles, Class H14 according to EN 1822)
- Convenient for use by mounting on an existing bench.
- Fluorescent lamp is included to make it convenient for conducting experiments.
- Fluorescent lamps are installed on the inside of the front to reduce eye fatigue.
- Effective sterilization with 254nm UV lamp. (replacement cycle: approx. 8,000 hours)
- Polyester fiber pre-filter extends the life of the HEPA filter.

Use Convenience Features

- Easy to replace the filter on the front panel.
- Front cover opening structure at the front for convenient inspection and maintenance.
- Convenient shelf with pipette holder to place pipette tip or vial rack
- Includes a hole on the right side to take out a power cable when using small device inside.
- Easy control of wind speed using the controller.
- Three model sizes depending on the bench size.
- UV timer function. (up to 30 minutes)

Outstanding Safety

- Polycarbonate work surface blocks UV by 99.9%.
- When the door is opened with UV light is on, the UV light is turned off automatically to protect the user.
- Protection from overcurrent.

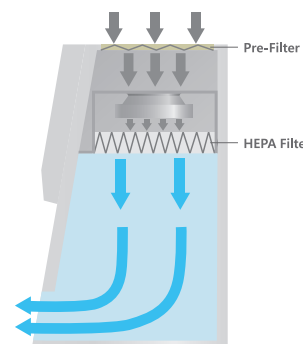


PW-21

with Pre filter, HEPA filter, UV lamp, Fluorescent lamp (standard)

Completed internal cleanliness evaluation and microbiological testing compatibility test.

- Internal cleanliness rating (ISO 14644-1 standard) **Equivalent to ISO Class 4** (Experiment with sterile environment can be carried out from ISO Class 5, US Federal Class 100)
- Microbiological testing (ISO 14698 standard) **ISO Class 5 rating, satisfies the microbiological testing standards**



Biosafety Cabinet & Clean Bench

Specification

Model		PW-01	PW-11	PW-21
Air	Air flow type	Vertical	Vertical	Vertical
	Airflow velocity (m/sec/fpm)	0.4 / 78.7	0.4 / 78.7	0.4 / 78.7
	Main filter	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)	HEPA (99.99% at 0.3 μm)
	Pre-filter	Polyester Fibers	Polyester Fibers	Polyester Fibers
Illumination	U.V. lamp (254 nm, W)	15	20	30
	Fluorescent lamp (W)	15	20	30
	Fluorescent lamp intensity (Lux)	More than 1,000	More than 1,000	More than 1,000
Material	Window (Front, Sides, Rear)	Polycarbonate (Clear)	Polycarbonate (Clear)	Polycarbonate (Clear)
	U.V. protection	99.90%	99.90%	99.90%
	Working table	Polycarbonate (Clear)	Polycarbonate (Clear)	Polycarbonate (Clear)
Dimensions	Exterior (W x D x H, mm / inch)	720 x 605 x 964 / 28 x 24 x 38	900 x 605 x 964 / 35.4 x 24 x 38	1200 x 605 x 964 / 47.2 x 24 x 38
	Interior (W x D x H, mm / inch)	700 x 585 x 602 / 27.5 x 23 x 23.7	880 x 585 x 602 / 34.6 x 23 x 23.7	1180 x 585 x 602 / 46.5 x 23 x 23.7
	Net weight (kg / lbs)	56.2 / 123.9	64.2 / 141.5	77.8 / 171.5
	Noise level (dB)	Less than 60	Less than 60	Less than 60
Electrical requirements (230V, 50/60Hz, 1ph, A)		1.3	1.4	1.5
Cat. No.		AAHB3002K	AAHB3012K	AAHB3022K
Electrical requirements (120V, 60Hz, 1ph, A)		2.2	2.7	2.9
Cat. No.		AAHB3003U	AAHB3013U	AAHB3023U

Accessories Page 205 Pre-filter, HEPA Filter

UV Sterilization Cabinet



Clean environment due to sterilization and removal of sources of contamination with UV light

Structural Functional Features

- Built-in fluorescent lamp makes it easy to see inside.
- Compact design makes installation and movement convenient.
- VFD display allows for easy checking of operation status.

Use Convenience Features

- Convenient handling of equipment due to convenient front opening.
- Three sizes of models according to the cabinet size.
- Digital-type UV timer function.
(up to 59 minutes and 59 seconds)

Outstanding Safety

- Block UV 99.9% on the front/ left / right side with polycarbonate material.
- When the door is opened, the UV light is turned off automatically to protect the user and the fluorescent lamp is operated, making it convenient to use.
- Protection from overcurrent.



UVC-11

with UV lamp, Fluorescent lamp (standard)



Specification

Model		UVC-01	UVC-11	UVC-21
Illumination	U.V. Density ($\mu\text{W}/\text{cm}^2$)	300 \pm 10%	350 \pm 10%	300 \pm 20%
	U.V. lamp (254 nm, W)	8	15	20
	Fluorescent lamp (W)	8	15	20
	Fluorescent lamp intensity (Lux)	More than 800	More than 900	More than 1,000
Material	Window (Front, Sides)	Polycarbonate (Clear)	Polycarbonate (Clear)	Polycarbonate (Clear)
	Window (Rear)	Powder coated steel	Powder coated steel	Powder coated steel
	U.V. protection	99.9%	99.9%	99.9%
	Working table	Stainless steel	Stainless steel	Stainless steel
Dimensions	Exterior (W x D x H, mm / inch)	450 x 509 x 610 / 17.7 x 20 x 24	600 x 509 x 610 / 23.6 x 20 x 24	900 x 509 x 610 / 35.4 x 20 x 24
	Interior (W x D x H, mm / inch)	433 x 500 x 468 / 17.0 x 19.7 x 18.4	583 x 500 x 468 / 23 x 19.7 x 18.4	880 x 500 x 468 / 34.6 x 19.7 x 18.4
	Net weight (kg / lbs)	15 / 33.1	17.5 / 38.6	20 / 44.1
Electrical requirements (230V, 50/60Hz, 1ph, A)		0.1	0.2	0.3
Cat. No.		AAHB4002K	AAHB4012K	AAHB4022K
Electrical requirements (120V, 60Hz, 1ph, A)		0.2	0.4	0.6
Cat. No.		AAHB4003U	AAHB4013U	AAHB4023U

Accessories



HEPA Filter (option)

- 99.99% efficient HEPA filter, industry standard size for economical replacement.



Pre Filter (1EA included)

- Easy-to-replace pre-filter for trapping larger particles and extending the life of HEPA filters.



Stand with Casters (option)

- Stand with Casters : Mobile stand made of powder-coated steel ideal for easy relocation.



Differential Pressure Gauge (option-only for BC-B)

- Magnehelic differential pressure gauge measuring pressure drop across the HEPA filter to monitor its efficiency.

Filters

Description	BC-01H/B	BC-11H/B	BC-21H/B	PW-01	PW-11	PW-21
HEPA Filter	AAAB1601	AAAB1602	AAAB1603	00EDA0009219	00EDA0009220	00EDA0009221
Pre Filter	AAAB1611	AAAB1612	AAAB1613	AAAB3511	AAAB3512	AAAB3513

Others

Description	BC-01H/B	BC-11H/B	BC-21H/B
Stand with Casters	AAAB1621	AAAB1622	AAAB1623
Gas Cock	AAAB1561	AAAB1561	AAAB1561
Differential Pressure Gauge (Only BC-B)	AAAB1571	AAAB1571	AAAB1571
UV lamp	230V, 50/60Hz	AAAB1631	AAAB1633
	120V, 60Hz	AAAB1632	AAAB1634
			AAAB1635
			AAAB1636