Hoods

Ver. 2016 ~ 2017

Lab Companion
t Products for Reliable Results

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Lab Companion

Best Products for Reliable Results

JEIO TECH was established in 1988 with the goal of delivering the best laboratory equipments for the reliable results. We always strive to develop high technology with ergonomic design for better products. We are eager to take on new challenges in developing a product the best suits you!

Our reliable instruments will offer you analytical solutions in the field of biology , chemistry, medicine, pharmacology and so forth. We are driven by innovation and our extensive product lines are at the cutting-edge globally in both scientific and industrial research instrument markets.

While continuously focusing on human resources and technology, development, we strive to make a significant difference in various research areas.
our top priority is to provide the world's best products and services through outstanding quality and customer satisfaction at affordable prices.

We hope you enjoy the discovery of JeioTech and it's products.

Best Products for Reliable Results

CE, UL, CSA, RoHS, GD(Good Design Award)
Jeio Tech(Lab Companion) obtained ISO 9001, ISO 13485
FDA establishment registered company. FDA listed products.

Lab Companion

Contents

Technical Benefit

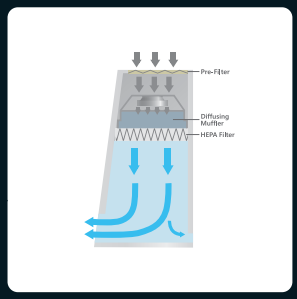
Clean Benches

Lab Companion

ISO class 4 air cleanliness

ISO Class 4 air cleanliness as per ISO 14644-1
(Equivalent to Class 10 as per US Federal Standard 209E)

Vertical laminal flow



Vertical Laminal Flow

High quality laminal flow is formed
by exclusive diffusing muffler

High-quality filter

0.3 μm and larger particulates removed
with 99.99% efficiency, leak-tight HEPA filter,
and meets class 10 (US Federal Standard 209E)

High-quality polyester fiber pre-filter
for trapping larger particles and increasing
the life of the main HEPA filter

Digital display for BC-H

Two digital displays are located on both outside
and inside work space for the best convenience

Door open warning and UV warning for
preventing contamination of samples

The replacement time for HEPA filter and
UV lamp can be also simply checked by display

Smart door system

Simply open the door while UV-lamp is ON

Interlocking smart door system will automatically
turn OFF UV-lamp, turn ON Fluorescent lamp
and Blower instead of your manual control
(BC-H models only)

Technical Benefit

Extraction Arm Hoods & Bench Top Fume Hoods

Lab Companion

Movable Extraction Arm Hoods

Extraction Arm Hood with Filter Box
- Extraction Arm + Basic Hood
- Filter Box (Prefilter/Hepa filter/Activated carbon filter)

When the mobility is important, the simplest solution for fume extraction

Extraction Arm Hoods

Extraction Arm Hood
- Extraction Arm + Basic Hood

The best solutions for eliminating dust and fume hazards at source

Bench Top Fume Hoods Panel stopper

Front panel is movable and has five adjustable positions for comfort and convenience

Bench Top Fume Hoods Transparent front door

Experiments can be more safely and thoroughly observed with transparent polycarbonate front panel

Bench Top Fume Hoods Duct hole

An exhaust fan is required. The unit can be connected to an in-house laboratory exhaust system

Either 150mm(6") dia flexible duct can be used

Technical Benefit

Ductless Fume Hoods

Lab Companion

Global safety standards

Safety

Efficiency and capacity of activated carbon filters
(BS 7989:2001)

Structure, electrical outlet, lighting, and sound level
(BS 7258-1:1994)

Local smoke, large volume visualization, face velocity, and tracer gas
(ANSI/ASHRAE 110-1995 and NF EN 14175-1)

Built-in anemometer

Easy monitoring of the internal airflow speed thanks to the built-in anemometer

Optimum work environment

Fully or half openable front door for convenient transport of experimental apparatuses and equipments into or out of the workspace

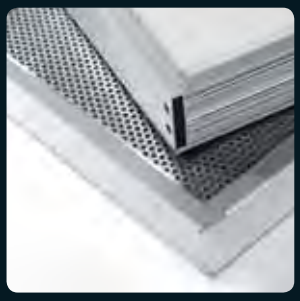
Transparent side panels for great observation of inner chamber

Digital controller

Fluorescent lamp, Fan Start/Stop, Fan speed adjustment

Filter accumulated using time check and Filter alarm setting are available

Selective chemical filters



Code	Filter Name	Application
GF	Activated Carbon Filter	All common laboratory chemicals, especially VOC, Organic, Benzene, Toluene, etc
AC	Acid Filter	An acidic solvent; Acetic acid, etc
HF	Halogen Compound Filter	Halogen compounds like Chlorine, Flourine, Iodine, Bromine, Astatine, etc
FF	Formaldehyde Filter	Formadehyde applications
AM	Ammonia / Amine Filter	Ammonia / Amines by chemisorptions
HEPA	HEPA Filter	Biohazardous aerosols and other visible and non-visible particles (filtration efficiency: 99.99% at 0.3 microns)

Technical Benefit

PCR Workstations & UV Sterilization Cabinets

Lab Companion

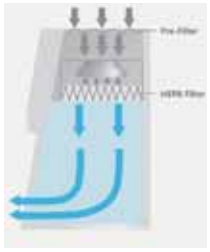
ISO class 4 air cleanliness
(PW models only)

ISO

ISO Class 4 air cleanliness as per ISO 14644-1
(Equivalent to Class 10 as per US Federal Standard 209E)

High-quality polyester fiber pre-filter
(with minimal pressure loss and 85% arrestance on the A.F.I. test)
for trapping larger particles and increasing
the life of the main HEPA filter

Vertical laminal flow
(PW models only)



Vertical Laminal Flow of PCR workstations

High quality laminal flow is formed as the figure

Digital display for PW

Digital display of PCR workstations

Fluorescent lamp, Fan Start/Stop,
Fan speed adjustment

Filter accumulated using time check and
Filter alarm setting are available

Digital display for UVC

Digital display of UV Sterilization Cabinets

VFD with responsive touch buttons

General UV Dose &
Time Required

Pathogen	Average UV Dose Required (μW . s/cm²)	Average UV Time Required (μW/ cm² /sec.)					
		PW-01	UVC-01	PW-11	UVC-11	PW-21	UVC-21
		165	150	185	385	330	450
S. enteritidis	4,000	25	27	22	10	13	9
B. megatherium sp. (spores)	2,730	17	18	15	7	9	6
B. subtilis	7,100	43	47	39	18	22	16
Eberthella typhosa	2,140	13	14	12	6	7	5
Escherichia coli (*E. coli*)	3,000	19	20	17	8	10	7
Micrococcus candidus	6,050	37	40	33	16	19	13
Proteus vulgaris	2,640	16	18	15	7	8	6
Pseudomonas aeruginosa	5,500	34	37	30	14	17	12
Pseudomonas aeruginosa	3,500	22	23	19	9	11	8
S. typhimurium	8,000	49	53	44	21	25	18
Shigella paradysenteriae	1,680	101	11	10	4	6	4
Spirillum rubrum	4,400	27	29	24	11	14	10
Staphylococcus albus	1,840	12	12	10	5	6	4

Clean Benches (Advanced Models)

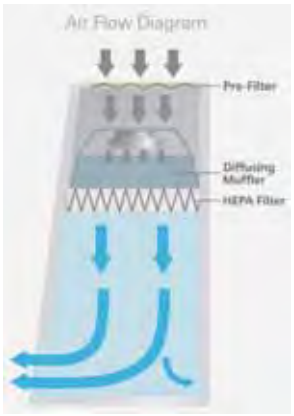
BC-01H / BC-11H / BC-21H

Lab Companion

Vertical laminar flow clean benches with advanced digital control and various convenient features.

ISO Class 4 air cleanliness as per ISO 14644-1(equivalent to Class 10 as per US Federal Standard 209E)

BC-B with the optional Stand and Gas Cocks



Model		BC-01H	BC-11H	BC-21H
Air flow type		Vertical laminar flow		
Air volume (minimum / maximum)		0 to 1020 cmh / 0 to 600 cfm	0 to 2040 cmh / 0 to 1200 cfm	
Laminar airflow velocity (m / s / fpm)		0.3 / 59	0.45 / 89	0.3 / 59
Air cleanliness within work space		ISO 14644-1 class 4, US Federal Standard 209E class 10		
Filters	**HEPA filter**	Typical efficiency of 99.99% on 0.3㎛ (US MIL-STD-282) ; Micro glass fiber Media, Particle board, AL separator, Neoprene gaskets		
	Pre filter	Polyester fibers with an filter efficiency of 85% (A.F.I TEST) ; Aluminum frame, Polyester fiber media		
Noise level		Typically < 65dB at blower speed		
Materials	**Main body**	Steel powder coating		
	Work surface	Stainless steel grade 304, Hairline treatment		
	Windows (front / side)	Colorless and transparent UV absorbing 5mm tempered glass		
Illumination	**Intensity** (lux)	> 650		
	Fluorescent lamp (W)	30 x 2ea		32 x 2ea
		Electronically ballasted Fluorescent Lamp		
	UV lamp (W)	25 x 1ea	30 x 1ea	25 x 2ea
		Electronically ballasted UV Lamp		
Electric socket outlets		230V socket		
Dimension (W×D×H)	**Interior** (mm / inch)	945×570×670 / 37.2×22.4×26.4	1245×570×670 / 49.0×22.4×26.4	1845×570×670 / 72.6×22.4×26.4
	Exterior without stand (mm / inch)	1135×647×1150 / 44.7×25.5×45.3	1435×647×1150 / 56.5×25.5×45.3	2035×647×1150 / 80.1×25.5×45.3
	Exterior with stand (mm / inch)	1135×647×1870 / 44.7×25.5×73.6	1435×647×1870 / 56.5×25.5×73.6	2035×647×1870 / 80.1×25.5×73.6
	Net weight (body) (kg / lbs)	140 / 308.6	185 /407.9	225 / 496
	Net weight (body + stand) (kg / lbs)	170 / 374.8	215 / 474	255 / 562.2
Electrical requirements (230V, 1ph)		60Hz / 1.25 A / 50Hz / 1.38 A	60Hz / 1.57 A / 50Hz / 1.73 A	60Hz / 2.09 A / 50Hz / 2.30 A
Cat. No.		**AAHA5011K** / **AAHA5012K**	**AAHA5021K** / **AAHA5022K**	**AAHA5031K** / **AAHA5032K**
Electrical requirements (120V, 1ph)		60Hz / 2.62 A	60Hz / 3.27 A	60Hz / 4.36 A
Cat. No.		**AAHA5013U**	**AAHA5023U**	**AAHA5033U**

※ FDA establishment registered company. FDA listed products.

0.3 μm and larger articulates removed with 99.99% efficiency, leak-tight HEPA filter, and meets class 10 (US Federal Standard 209E)

High-quality polyester fiber pre-filter (with minimal pressure loss and 85% arrestance on the A.F.I. test)

Comfortable front access to cartridge type of filters for easy replacement.

Digital differential pressure sensor allows easy verification of HEPA filter condition great for knowing when to change HEPA filter

UV-blocking and impact-resistant tempered glass door

UV warning lamp is automatically ON to let users know when to change UV-lamp

Simply open the door while UV-lamp is ON. Interlocking smart door system will automatically turn OFF UV-lamp, turn ON Fluorescent lamp and Blower instead of your manual control

If the sash is opened more than the recommended height during operation, warning alarm will let users lower the window to prevent contamination of samples

Two digital displays for the best convenience. Unit conditions(velocity, temp., humid.) can be easily checked and controlled by inner display

Smoothly sliding front door stoppable at any height for user's safety and easy transport of equipments into the workspace

Highly durable, rust-free, and easy-to-clean grade 304 stainless steel work surface

The inner left side magnetic board allows some memos and small tools

Digital airflow rate sensor (Microprocessor) for automatic airflow speed control

Exclusive diffusing muffler structure forms high quality laminar flow

STANDARD

• HEPA filter, Pre filter, UV lamp, Fluorescent lamp, Electrical socket

Clean Benches (Basic Models)

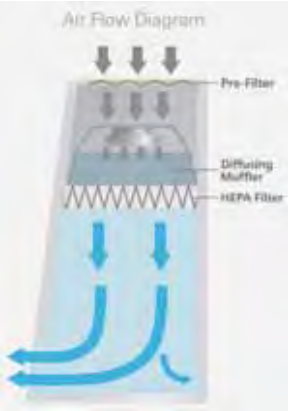
BC-01B / BC-11B / BC-21B

Lab Companion

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

ISO Class 4 air cleanliness as per ISO 14644-1(equivalent to Class 10 as per US Federal Standard 209E)

BC-H with the optional Stand



Diffusing Muffler

Model		BC-01B	BC-11B	BC-21B
Air flow type		Vertical laminar flow		
Air volume (minimum / maximum)		0 to 1020 cmh / 0 to 600 cfm	0 to 2040 cmh / 0 to 1200 cfm	
Laminar airflow velocity (m / s / fpm)		0.3 / 59	0.45 / 89	0.3 / 59
Air cleanliness within work space		ISO 14644-1 class 4, US Federal Standard 209E class 10		
Filters	**HEPA filter**	Typical efficiency of 99.99% on 0.3㎛ (US MIL-STD-282) ; Micro glass fiber Media, Particle board, AL separator, Neoprene gaskets		
	Pre filter	Polyester fibers with an filter efficiency of 85% (A.F.I TEST) ; Aluminum frame, Polyester fiber media		
Noise level		Typically < 65dB at blower speed		
Materials	**Main body**	Steel powder coating		
	Work surface	Stainless steel grade 304, Hairline treatment		
	Windows (front / side)	Colorless and transparent UV absorbing 5mm tempered glass		
Illumination	**Intensity** (lux)	> 650		
	Fluorescent lamp (W)	30 x 2ea		32 x 2ea
		Electronically ballasted Fluorescent Lamp		
	UV lamp (W)	25 x 1ea	30 x 1ea	25 x 2ea
		Electronically ballasted UV Lamp		
Electric socket outlets		230V socket		
Dimension (W×D×H)	**Interior** (mm / inch)	945×570×670 / 37.2×22.4×26.4	1245×570×670 / 49.0×22.4×26.4	1845×570×670 / 72.6×22.4×26.4
	Exterior without stand (mm / inch)	1135×647×1150 / 44.7×25.5×45.3	1435×647×1150 / 56.5×25.5×45.3	2035×647×1150 / 80.1×25.5×45.3
	Exterior with stand (mm / inch)	1135×647×1870 / 44.7×25.5×73.6	1435×647×1870 / 56.5×25.5×73.6	2035×647×1870 / 80.1×25.5×73.6
	Net weight (body) (kg / lbs)	140 / 308.6	185 /407.9	225 / 496
	Net weight (body + stand) (kg / lbs)	170 / 374.8	215 / 474	255 / 562.2
Electrical requirements (230V, 1ph)		60Hz / 1.25 A / 50Hz / 1.38 A	60Hz / 1.57 A / 50Hz / 1.73 A	60Hz / 2.09 A / 50Hz / 2.30 A
Cat. No.		**AAHA6011K / AAHA6012K**	**AAHA6021K / AAHA6022K**	**AAHA6031K / AAHA6032K**
Electrical requirements (120V, 1ph)		60Hz / 2.62 A	60Hz / 3.27 A	60Hz / 4.36 A
Cat. No.		**AAHA6013U**	**AAHA6023U**	**AAHA6033U**

※ FDA establishment registered company. FDA listed products.

0.3 μm and larger articulates removed with 99.99% efficiency, leak-tight HEPA filter, and meets class 10 (US Federal Standard 209E)

High-quality polyester fiber pre-filter (with minimal pressure loss and 85% arrestance on the A.F.I. test)

Comfortable front access to cartridge type of filters for easy replacement.

Built-in differential pressure gauge for easy checking HEPA filter condition

UV-blocking and impact-resistant tempered glass door

If the sash is opened during UV-lamp operation, UV lamp automatically turns OFF to protect users

Lighting mode selection by 3-position toggle switch (UV/OFF/Fluorescent) preventing harmful UV exposure

Highly durable, rust-free, and easy-to-clean grade 304 stainless steel work surface

Smoothly sliding front door stoppable at any height for user's safety and easy transport of equipments into the workspace

Exclusive diffusing muffler structure forms high quality laminar flow

The inner left side magnetic board allows some memos and small tools

Easy blower speed adjustment by the control panel

STANDARD

• HEPA filter, Pre filter, UV lamp, Fluorescent lamp, Electrical socket, Differential pressure gauge

Ductless Fume Hoods

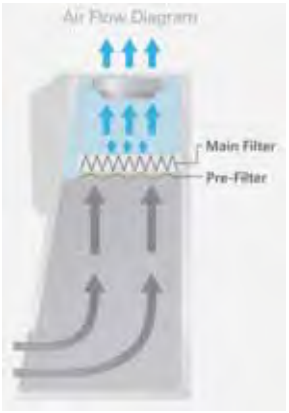
DLH-01G / DLH-11G

Lab Companion

Safe and energy-saving mobile workspace free from toxic vapors and fumes without the need of costly ductwork.

Meeting or exceeding various international safety standards.

BC-B with the optional Stand and Work Surface



Model		DLH-01G		DLH-11G	
Controller		Microprocessor control			
Face velocity		Initial set point: 0.4m/s, 80fpm			
Air flow meter		Swing vane type			
Main filter		Chemical Filter (optional 6 different filters)			
Pre filter		Washable high efficiency nylon filter			
Materials	**Main body, window** (front / side)	2.0mm steel (epoxy powder-coated), 8mm / 6mm thick acrylic resin			
	Work surface	Optional 6 different work surfaces			
Fluorescent light intensity		> 600lux			
Noise level		55dB under normal operation			
Dimension (WxDxH)	**Interior** (mm / inch)	880×640×800 / 34.6×25.2×31.5		1180×640×800 / 46.5×25.2×31.5	
	Exterior without stand (mm / inch)	900×660×1250 / 35.4×26×49.2		1200×660×1250 / 47.2×26×49.2	
	Exterior with stand (mm / inch)	900×660×1985 / 35.4×26×78.1		1200×660×1985 / 47.2×26×78.1	
	Net weight (body) (kg / lbs)	100 / 220.5		118 / 260.1	
	Net weight (body + stand) (kg / lbs)	120 / 264.6		140 / 308.6	
Electrical requirements (230V)		50Hz, 0.6A	60Hz, 0.7A	50Hz, 0.6A	60Hz, 0.7A
Cat. No.		**AAHB2002K**	**AAHB2001K**	**AAHB2012K**	**AAHB2011K**
Electrical requirements (100V, 120V)		100V, 50Hz, 1.5A	120V, 60Hz, 1.3A	100V, 50Hz, 1.5A	120V, 60Hz, 1.3A
Cat. No.		**AAHB2004U**	**AAHB2003U**	**AAHB2014U**	**AAHB2013U**

※ FDA establishment registered company. FDA listed products.

Safety Standards Compliance

Efficiency and capacity of activated carbon filters (BS 7989:2001)

Structure, electrical outlet, lighting, and sound level (BS 7258-1:1994)

Local smoke, large volume visualization, face velocity, and tracer gas (ANSI/ASHRAE 110-1995 and NF EN 14175-1)

Easy monitoring of the internal airflow speed thanks to the built-in anemometer

Comfortable front access to cartridge type of filters for easy replacement

Fully or half openable front door for convenient transport of experimental apparatuses and equipments into or out of the workspace

Large-capacity blower maintaining sufficient intake flow rate and reducing noise (less than 55 dB under normal operation)

Fluorescent light installed outside the workspace in order to prevent the airflow hindrance as well as the contamination while maintaining illumination intensity.

Built-in utility hole for easily routing the cords or wires of the equipments placed inside the hood

A variety of filters and work surfaces available to suit your specific experimental needs (refer to accessory section)

STANDARD

• Pre filter, Fluorescent lamp

Arm Hoods

MAH-2100 / MAH-3100 / AH-75 (2 joints) / AH-75 (3 joints)

The best solutions for eliminating dust and fume hazards at source

Select the best suitable one for your laboratory

In order to provide effective fume extraction, we offer the two different selections by taking your working environment into consideration

MAH with the optional Dome Hood

AH with the optional Brackets

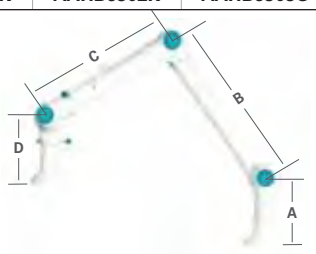
Filtering

Model	Joint	Length (mm / inch) A	B	C	D	Total	Ø (mm / inch)	Net weight (kg / lbs)	Cat. No. Electrical requirements 230V/60Hz, 1.5A	230V/50Hz, 1.5A	120V/60Hz, 3A
Polypropylene Extraction Arm Hood + Filter Box[1]											
Airflow rate Max.140m³/h											
MAH-2100	2 joints	250/9.8	-	530/20.9	260/10.2	1040/40.9	75/2.9	1.8/3.9	**AAHB6111K**	**AAHB6112K**	**AAHB6113U**
MAH-3100	3 joints		640/25.2			1680/66.1		2.4/5.3	**AAHB6301K**	**AAHB6302K**	**AAHB6303U**

1) Filter box dimensions (WxDxH, 500x500x850mm) (kg / lbs, 37.2 / 82.0) Filter box comes with pre filter/HEPA filter/activated carbon filter.
※ FDA establishment registered company. FDA listed products.

Model	Joint	Length (mm / inch) A	B	C	D	Total	Ø (mm / inch)	Net weight (kg / lbs)	Cat. No.
Polypropylene Extraction Arm Hood									
AH-75	2 joints	250/9.8	-	530/20.9	260/10.2	1040/40.9	75/2.9	1.8/3.9	**AAAB6511**
	3 joints		640/25.2			1680/66.1		2.4/5.3	**AAAB6541**

※ Please make sure to place an order at least one bracket with AH series.
※ FDA establishment registered company. FDA listed products.



MAH models

In-lab ventilation system is no longer necessary with this movable extraction arm hood

MAH series can serve as the best mobile or fixed mounted fume extraction system

Components

- Extraction Arm + Basic Hood
- Filter Box (Prefilter/Hepa filter/Activated carbon filter)

AH models

Mountable on any surface such as ceiling, wall only when you have a ventilation system in your lab

One of the various brackets is essentially required for installing the extraction arm hood in your laboratory

Components

- Extraction Arm + Basic Hood

Features of Extraction Arm

Chemical-resistant and heavy duty polypropylene extraction arm

360-dgree rotatable joints in the arms provide exceptional flexibility for easy positioning

Arm joints are easily removable for simple adjustment of length of the arm (removable parts : B, C)

Air flow rate is adjustable by the damper of the extraction arm

Optional different types of the hoods are available for effective fume extraction

Features of Filter Box

Durable BLDC motor provides quiet and comfortable working environment

Convenient air flow control

Gas detecting port for checking filter condition

Automatic fan malfunction warning alarm

Prefilter, HEPA filter, activated carbon filter are provided as standard accessories

Accessories

For detailed information of accessories, please refer to the page 15.

Ideal for use in limited laboratory spaces.

Cost-effective, fully portable alternative to metal hoods.

Model		PMH-720
Permissible air velocity (m/s, fpm)		0.3 to 1 / 59.1 to 196.9
Permissible Environmental Condition		Temperature 2℃ to 60℃ Maximum relative humidity 80% Maximum altitude up to 2,000m
Material	**Main body**	Polyethylene
	Window	Polycarbonate
Dimension	**Exterior** (WxDxH, mm/inch)	720x450x560 / 28.3x17.7x22
	Entrance (WxD, mm/inch)	560x300 / 22x11.8
	Duct hole (O.D., mm/inch)	150 / 6
	Net weight (kg / lbs)	7 / 15.4
Cat. No.		**AAAB5011**

※ FDA establishment registered company. FDA listed products.

※Bracket and extraction arm hood are optional purchase.

Compact design for easy moving and space saving

Transparent polycarbonate front door for observation

The door opens to five positions for comfort and convenience

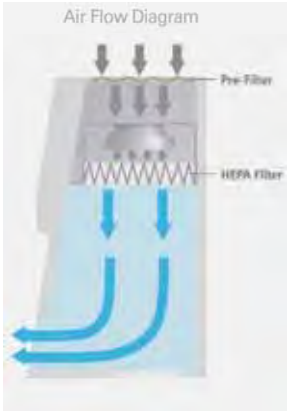
One-piece molded design for leak-tight and exceptional durability

Chemical resistance and spark-less polyethylene

An exhaust motor is required. The unit can be connected to an in-house laboratory exhaust system. Either 150mm (6") dia flexible duct can be used

Rounded inner corners for continuous air flow and easy cleaning

Specially designed to minimize the sample contamination during PCR applications by combining ISO Class 4 (US Class 10) clean air environment with UV light sterilization capability.



CE

Model			PW-01		PW-11		PW-21	
Air flow type			Vertical					
Max. air volume (cmh / cfm)			557 / 327		697 / 408		929 / 546	
Min. air volume (cmh / cfm)			167 / 97		209 / 121		279 / 162	
Laminar airflow velocity (m / s / fpm)			0.3 / 60					
Filter	**Air cleanliness**		ISO 14644-1 class 4					
	HEPA filter		Typical efficiency of 99.99% at 0.3 ㎛ US MIL-STD-282 ; Micro glass fiber media, Particle board, Aluminum separator, Neoprene gaskets					
	Pre filter		Polyester fibers with an efficiency of 85% (A.F.I TEST); AL frame, Polyester fiber media					
Noise level (dBA)			Typically < 60 dBA at blower speed					
Material	**Work surface**		10mm thick acrylic resin (clear type)					
	Window (front, side / back)		8mm / 10mm thick acrylic resin (clear type)					
Illumination	**Intensity**	**Fluorescent lamp** (lux)	>1000					
		UV density (㎼ / ㎠)	165		185		330	
	Capacity	**Fluorescent lamp** (w)	15 × 1ea		20 × 1ea		30 × 1ea	
		UV lamp (w)	15 × 1ea		20 × 1ea		30 × 1ea	
Dimension (W×D×H)	**Interior** (mm / inch)		700×585×602 / 27.5×23×23.7		880×585×602 / 34.6×23×23.7		1180×585×602 / 46.5×23×23.7	
	Exterior (mm / inch)		720×605×964 / 28×24×38		900×605×964 / 35.4×24×38		1200×605×964 / 47.2×24×38	
	Net weight (Body) (kg / lbs)		56.2 / 123.9		64.2 / 141.5		77.8 / 171.5	
Electrical requirements (230V)			60Hz, 1.3A	50Hz, 1.3A	60Hz, 1.4A	50Hz, 1.4A	60Hz, 1.5A	50Hz, 1.5A
Cat. No.			**AAHB3001K**	**AAHB3002K**	**AAHB3011K**	**AAHB3012K**	**AAHB3021K**	**AAHB3022K**
Electrical requirements (120V)			60Hz, 2.2A		60Hz, 2.7A		60Hz, 2.9A	
Cat. No.			**AAHB3003U**		**AAHB3013U**		**AAHB3023U**	

※ FDA establishment registered company. FDA listed products.

ISO Class 4 (US Class 10) HEPA filter for optimal protection against cross-contamination

Neoprene gaskets ensuring that the HEPA filter is airtight to the body unit

Durable HEPA filter (The HEPA filters life span depending on the test room conditions has a life span of 3 years)

High-quality polyester fiber pre-filter (with minimal pressure loss and 85% arrestance on the A.F.I. test) for trapping larger particles and increasing the life of the main HEPA filter

Comfortable front access to cartridge type of filters for easy replacement

Adjustable digital blower speed switch located in the front with use of large capacity blower is adopted into the equipment

Built-in safety interlock switch which shuts off the UV light automatically when the door is opened

UV-blocking door and side panels made of transparent acrylic resin providing clear inside view

Audible alarm for protecting the samples against UV over-exposure

Protection against overcurrent samples

Effective sterilization using a long-life 254 nm UV lamp (average life spen : 8,000 hour lifespan)

Anti-glare fluorescent lamp installed on the center ceiling of the workspace area minimizing shadows and relieving eye strain

Easy-settable digital timer for UV light exposure to deactivate DNA and RNA contaminants. (wait off, max. 30min.)

User-friendly microprocessor-based control panel with an LCD and responsive touch buttons

Easy blower speed adjustment by the control panel

STANDARD

• HEPA filter, Pre filter, UV lamp, Fluorescent lamp

UV Sterilization Cabinets

UVC-01 / UVC-11 / UVC-21

Lab Companion

Ideal for effective decontamination of apparatus and equipments before carrying out sensitive PCR experiments using a high-quality UV lamp with timer control.

CE

Model			UVC-01		UVC-11		UVC-21	
Illumination	**Intensity**	**Fluorescent lamp** (Lux)	>800		>900		>1000	
		UV density (μW / ㎠)	300 ± 10%		350 ± 10%		300 ± 20%	
	Capacity	**Fluorescent lamp** (W)	8×1ea		15×1ea		20×1ea	
		UV lamp (254nm, W)	8×1ea		15×1ea		20×1ea	
Material	**Work surface**		Stainless steel grade 304					
	Window (front, back / side)		5 mm thick acrylic resin					
Dimension (W×D×H)	**Interior** (mm / inch)		433×500×468 / 17.0×19.7×18.4		583×500×468 / 23×19.7×18.4		880×500×468 / 34.6×19.7×18.4	
	Exterior (mm / inch)		450×509×610 / 17.7×20×24		600×509×610 / 23.6×20×24		900×509×610 / 35.4×20×24	
	Net weight (kg / lbs)		15 / 33.1		17.5 / 38.6		20 / 44.1	
Electrical requirements (230V)			60Hz, 0.1A	50Hz, 0.1A	60Hz, 0.2A	50Hz, 0.2A	60Hz, 0.3A	50Hz, 0.3A
Cat. No.			**AAHB4001K**	**AAHB4002K**	**AAHB4011K**	**AAHB4012K**	**AAHB4021K**	**AAHB4022K**
Electrical requirements (120V)			60Hz, 0.2A		60Hz, 0.4A		60Hz, 0.6A	
Cat. No.			**AAHB4003U**		**AAHB4013U**		**AAHB4023U**	

※ FDA establishment registered company. FDA listed products.

Built-in safety interlock switch which shuts off the UV light automatically when the door is opened

UV-blocking door, back, and side panels made of transparent acrylic resin providing clear inside view

Audible alarm for protecting the samples against UV over-exposure

Protection against overcurrent

User-friendly microprocessor-based control panel with a vivid VFD and push buttons

Easy-to-clean grade 304 stainless steel work surface with high chemical resistance against various organic solvents

Effective sterilization using a long-life 254 nm UV lamp (average life spen : 8,000 hour lifespan)

Anti-glare fluorescent lamp installed on the center ceiling of the workspace area minimizing shadows and relieving eye strain

Digital UV light timer for convenient use

Easy-settable digital timer for UV light exposure to deactivate DNA and RNA contaminants. (wait off, max. 30min.)

STANDARD

• UV lamp, Fluorescent lamp

Stand with Casters

HEPA Filter

Dome Hood Square Hood

Bench Top Fume Hood & Bracket

Brackets (Ceiling / Ceiling Column / Wall)

for Clean Benches

Cat. No.	Description	Suitable for
AAAB1601	HEPA Filter	BC-01B/H
AAAB1602		BC-11B/H
AAAB1603		BC-21B/H
AAAB1611	Pre-Filter	BC-01B/H
AAAB1612		BC-11B/H
AAAB1613		BC-21B/H
AAAB1621	Stand with Casters	BC-01B/H
AAAB1622		BC-11B/H
AAAB1623		BC-21B/H

Cat. No.	Description	Suitable for
AAAB1631	UV Lamp	BC-01B/H(230V)
AAAB1632		BC-01B/H(120V)
AAAB1633		BC-11B/H(230V)
AAAB1634		BC-11B/H(120V)
AAAB1635		BC-21B/H(230V)
AAAB1636		BC-21B/H(120V)
AAAB1561	Gas cock	BC-01/11/21B/H
AAAB1571	Differential Pressure Gauge	BC-01/11/21B

for Ductless Fume Hoods

Cat. No.	Description	Suitable for
AAAB2521	Stand with Casters	DLH-01G
AAAB2522		DLH-11G
EDA9191	GF Activated Carbon Filter	DLH-01G
EDA9192		DLH-11G
EDA9199	AC Acid Filter [1]	DLH-01G
EDA9200		DLH-11G
EDA9201	HF Halogen Compounds Filter	DLH-01G
EDA9202		DLH-11G
EDA9203	FF Formaldehyde Filter	DLH-01G
EDA9204		DLH-11G
EDA9205	AM Ammonia / Amines Filter	DLH-01G
EDA9206		DLH-11G
EDA9193	HEPA Filter	DLH-01G
EDA9194		DLH-11G
EDA9196	Pre filter	DLH-01G
EDA9198		DLH-11G
AAAB2501	Work Surface (SUS #304)	DLH-01G
AAAB2502		DLH-11G
AAAB2503	Work Surface (SUS #316L)	DLH-01G
AAAB2504		DLH-11G
AAAB2505	Work Surface (Ceramite)	DLH-01G
AAAB2506		DLH-11G
AAAB2507	Work Surface (Polypropylene)	DLH-01G
AAAB2508		DLH-11G
AAAB2509	Work Surface (Bakelite)	DLH-01G
AAAB2510		DLH-11G
AAAB2511	Work Surface (PVC)	DLH-01G
AAAB2512		DLH-11G
AAAB2531	Gas Detector (KITAGAWA AP-20)	DLH - 01G/11G
EAA1550	Gas Detecting Tube (Benzene, GASTEC-121SP (0.5-10ppm))	
EAA1551	Gas Detecting tube (Toluene, GASTEC-122L (1-100ppm))	
EAA1552	Gas Detecting tube (Acetic acid, GASTEC-81L (0.125-25ppm))	
EAA1553	Gas Detecting tube (Chloroform, GASTEC-137 (4-400ppm))	
EAA1554	Gas Detecting tube (Formaldehyde, GASTEC-91LL (0.05-1ppm))	
EAA1555	Gas Detecting tube (Ammonia, GASTEC-3L (0.5-60ppm))	

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

for Extraction Arm Hoods

Common Accessories

Cat. No.	Description	Dimension (WxDxH, mm/inch)	Suitable for
AAAB6221	Dome Hood (Polypropylene, White)	400x140 / 15.7x5.5 (ØxH, mm/inch)	MAH / AH Models
AAAB6211	Dome Hood (Styrene Butadiene Copolymer, Transparent)		
AAAB6241	Square Hood (Polypropylene, White)	494x390x245 / 19.4x15.4x9.6	MAH / AH Models
AAAB6231	Square Hood (Styrene Butadiene Copolymer, Transparent)		
AAAB5011	Bench Top Fume hood (PMH-720)	720x450x560 / 28.3x17.7x22	MAH / AH Models
AAAB6411	Bracket for Bench Top Fume hood	178x178x2 / 7x7x0.1	MAH / AH Models

Chemical Filters (only for MAH)

Cat. No.	Description
AAAB6507	Pre-Filter
AAAB6506	HEPA filter
AAAB6502	Activated carbon filter
AAAB6501	Acid filter [1]
AAAB6505	Halogen compounds filter
AAAB6504	Formaldehyde filter
AAAB6503	Ammonia/Amines filter

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

Brackets (only for AH)

Cat. No.	Description	
	Type	Dimension (WxDxH, mm/inch)
AAAB6508	Ceiling	260x260x2 / 10.2x10.2x0.1
AAAB6512	Ceiling Column (Extra side connection hole for Ø 75mm ventilation duct)	100x100x250 / 3.9x3.9x9.8
AAAB6513		100x100x500 / 3.9x3.9x19.7
AAAB6514		100x100x750 / 3.9x3.9x29.5
AAAB6515		100x100x1000 / 3.9x3.9x39.4
AAAB6516		100x100x1250 / 3.9x3.9x49.2
AAAB6517		100x100x1500 / 3.9x3.9x59.1
AAAB6510	Wall	158x259x81.7 / 6.2x10.2x3.2

* All the brackets listed avobe are suitable for Ø 75mm Arms.
Exceptively Ceiling column brackets are suitable for Ø 50/75/100mm Arms.

for PCR workstaions

Cat. No.	Description	Suitable for
EDA9219	HEPA Filter	PW-01
EDA9220		PW-11
EDA9221		PW-21
CHE4436	Fluorescent Lamp	PW-01
CHE4410		PW-11
CHE4409		PW-21
CHE4431	UV Lamp	PW-01
CHE4427		PW-11
CHE4423		PW-21

for UV sterilization cabinets

Cat. No.	Description	Suitable for
CHE4435	Fluorescent Lamp	UVC-01
CHE4436		UVC-11
CHE4410		UVC-21
CHE4434	UV Lamp	UVC-01
CHE4431		UVC-11
CHE4427		UVC-21

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