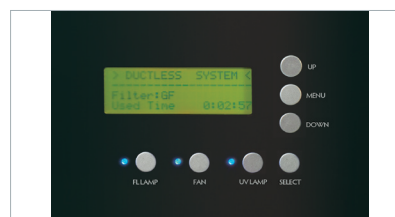
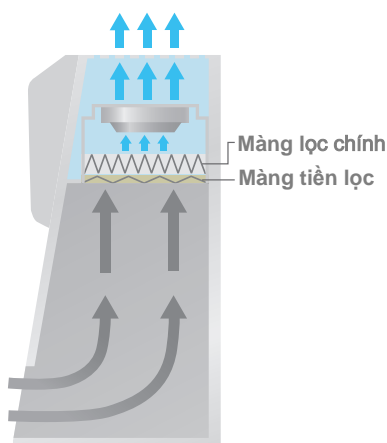


## Ductless Fume Hoods

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



Digital controller



Anemometer



Front cover

### DLH-01G

with optional work surface and stand

**Standard accessories**

- Pre filter
- Fluorescent lamp

see page 65

\* DLH series do not come with any work surface. Please place an order one work surface among 6 optional different work surfaces for proper use.

### Performance

- A variety of filters and work surfaces available to suit your specific experimental needs. (refer to accessory section)
- High-quality polyester fiber pre-filter for trapping larger particles and increasing the life of the main HEPA filter.
- 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.

### Convenience

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

- Comfortable front access to cartridge type of filters for easy replacement.
- Built-in utility hole for easily routing the cords or wires of the equipment placed inside the hood.
- Fully or half openable front door for convenient transport of experimental apparatuses and equipment into or out of the workspace.

### 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



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.		<b>AAHB2002K</b>	<b>AAHB2001K</b>	<b>AAHB2012K</b>	<b>AAHB2011K</b>
Electrical requirements (100V, 120V)		100V, 50Hz, 1.5A	120V, 60Hz, 1.3A	100V, 50Hz, 1.5A	120V, 60Hz, 1.3A
Cat. No.		<b>AAHB2004U</b>	<b>AAHB2003U</b>	<b>AAHB2014U</b>	<b>AAHB2013U</b>

\* FDA establishment registered company. FDA listed products.

## Accessories & Options

### Filters

Cat. No.	Description	Application	DLH-01G	DLH-11G
EDA9191	Activated carbon filter	All common laboratory chemicals, especially VOC, Organic, Benzene, Toluene, etc	•	-
EDA9192			-	•
EDA9199	Acid filter <sup>1)</sup>	An acidic solvent ; Acetic acid, etc	•	-
EDA9200			-	•
EDA9203	Formaldehyde filter	Formaldehyde applications	•	-
EDA9204			-	•
EDA9205	Ammonia / Amines filter	Ammonia/Amines by chemisorptions	•	-
EDA9206			-	•
EDA9193	HEPA filter	Biohazardous aerosols and other visible and non-visible particles (filtration efficiency: 99.99% at 0.3 microns)	•	-
EDA9194			-	•
EDA9196	Pre filter	-	•	-
EDA9198			-	•

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

### Work surfaces / Stands

Cat. No.	Description	DLH-01G	DLH-11G
AAAB2501	Work surface (SUS #304)	•	-
AAAB2502		-	•
AAAB2503	Work surface (SUS #316)	•	-
AAAB2504		-	•
AAAB2505	Work surface (ceramite)	•	-
AAAB2506		-	•
AAAB2507	Work surface (polypropylene)	•	-
AAAB2508		-	•
AAAB2509	Work surface (bakelite)	•	-
AAAB2510		-	•
AAAB2511	Work surface (PVC)	•	-
AAAB2512		-	•
AAAB2521	Stand with casters	•	-
AAAB2522		-	•

### Gas detector / Gas detecting tubes

Cat. No.	Description	DLH-01G	DLH-11G
AAAB2531	Gas detector (KITAGAWA AP-20)	•	•
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))	•	•