

Fume Hoods

Ductless Fume Hoods



Please visit JEIOTECH.com

For further information on Jeio Tech's Fume Hood products
Information is readily available on our website.



DLH-01G

Optional Accessories
➔ see page 37

- Stand with Caster
- Different Types of Chemical Filters
- 6 Different Types of Work Surfaces

Fume Hoods

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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.

► 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



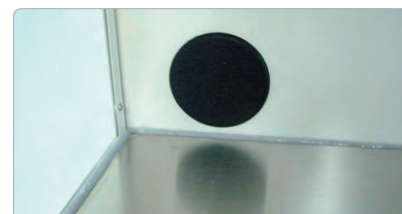
⋯ Digital Controller

► Constructional Features

- Easy monitoring of the internal airflow speed thanks to the built-in anemometer.
- Convenient change of filter cartridges by opening the upper front cover.
- 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)



⋯ Anemometer



⋯ Utility Hole



⋯ Front Cover

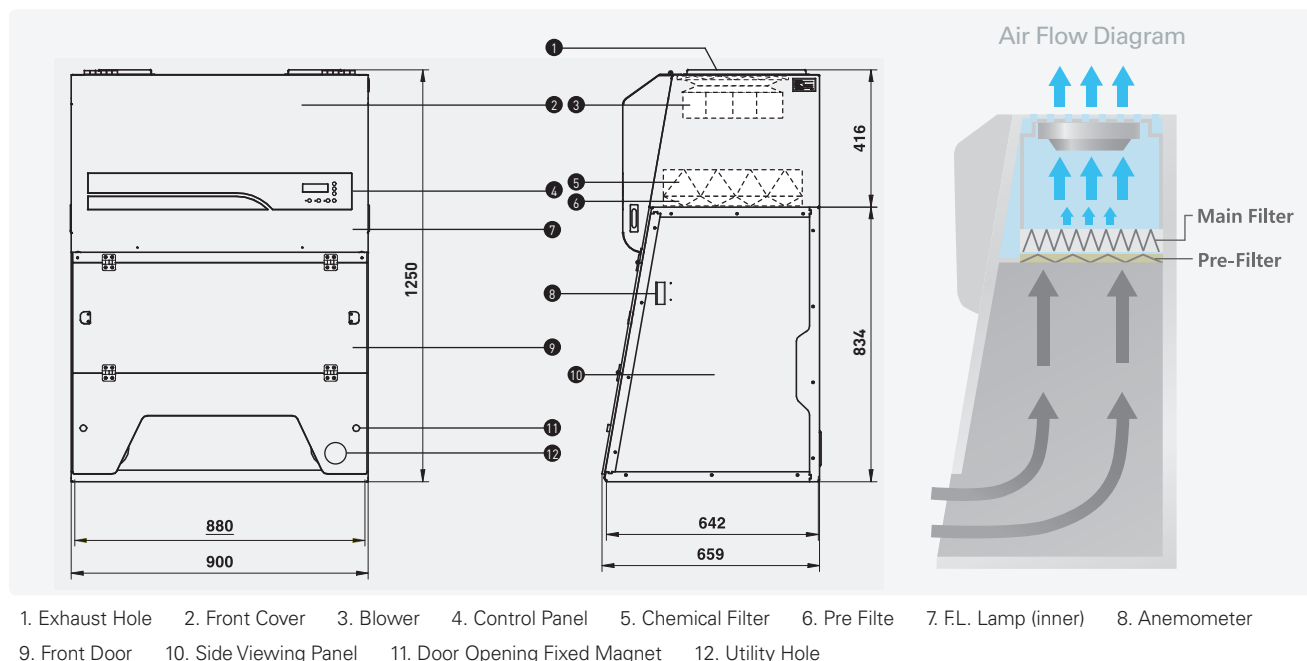
► Selection Guide for Chemical Filters

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)

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Dimension (Model: DLH-01G)



Specifications & Ordering Information



Model		DLH-01G	DLH-11G
Fume Hood Type		Ductless	
Permissible Environmental Condition		Temperature 5°C to 40°C Maximum relative humidity 80% Maximum altitude : Altitude up to 2,000m	
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	2.0mm steel (epoxy powder-coated)	
	Work Surface	Optional 6 different work surfaces	
	Window (Front / Side)	8mm / 6mm thick acrylic resin	
Fluorescent Light Intensity		> 600lux	
Noise Level		55dB under normal operation	
Dimension (W×D×H)	Internal (mm / inch)	880×640×800 / 34.6×25.2×31.5	1180×640×800 / 46.5×25.2×31.5
	External without Stand (mm / inch)	900×660×1250 / 35.4×26×49.2	1200×660×1250 / 47.2×26×49.2
	External 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, 60Hz)		0.7A	
Cat. No.		AAHB2001K	AAHB2011K
Electrical Requirements (230V, 50Hz)		0.6A	
Cat. No.		AAHB2002K	AAHB2012K
Electrical Requirements (120V, 60Hz)		1.3A	
Cat. No.		AAHB2003U	AAHB2013U
Electrical Requirements (100V, 50Hz)		1.5A	
Cat. No.		AAHB2004U	AAHB2014U

Fume Hoods

Accessories & Options

for Ductless Fume Hoods



Gas Detector and Tubes



Filters



Work Surface



Stand with Caster

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	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

Cat. No.	Description	Suitable for
AAAB2501	Work Surface (SUS #304)	DLH-01G
AAAB2502		DLH-11G
AAAB2503	Work Surface (SUS #316L)	DLH-01G
AAAB2504		DLH-11G
AAAB2505	Work Surface (Ceramide)	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))	

※ Above specifications can be changed without prior notice.