

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)

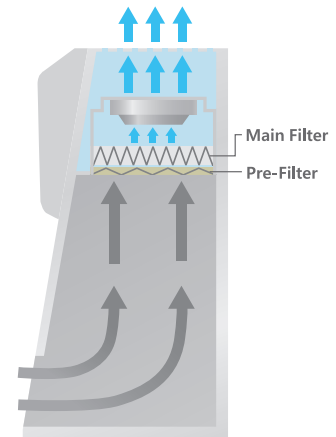
Reliability Verification Completed

- 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.



Dedicated Controller

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.



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 (STS #304)	AAAB2501	AAAB2502
Work surface (STS #316)	AAAB2503	AAAB2504
Work surface (phenolic laminate)	AAAB2505	AAAB2506
Work surface (polypropylene)	AAAB2507	AAAB2508
Work surface (bakelite)	AAAB2509	AAAB2510
Work surface (PVC)	AAAB2511	AAAB2512
Stand with casters	AAAB2521	AAAB2522

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-91LL (0.05-1ppm))	00EAA0001554
Gas detecting tube (ammonia, GASTEC-3L (0.5-60ppm))	00EAA0001555