# 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)

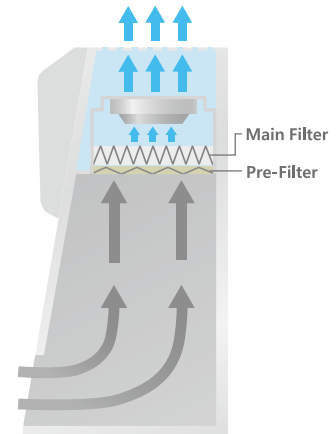### ◪ Reliability Verification Completed

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 ±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)



Main Filter
Pre-Filter

## 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, A)** | | 50Hz, 0.6 | 60Hz, 0.7 | 50Hz, 0.6 | 60Hz, 0.7 |
| **Cat. No.** | | **AAHB2002K** | **AAHB2001K** | **AAHB2012K** | **AAHB2011K** |
| **Electrical requirements (120V, A)** | | 60Hz, 1.3 | | 60Hz, 1.3 | |
| **Cat. No.** | | **AAHB2003U** | | **AAHB2013U** | |

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

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