Ductless Fume Hood with Filter, 230-690 m³/h, 0.4-0.6 m/s Face Velocity, VOC Alarm and Touch Screen

Model **MSFMH-800SWISS,MSFMH-1000SWISS,MSFMH-1300SWISS,MSFMH-1600SWISS,MSFMH-1600ASWISS** | Brand **Master Science**











The Master Science Ductless Fume Hood cleans contaminated air through filters and returns it to the room, so it needs no ducting to the outside. That makes it practical where an exhaust line is impossible or too expensive, or where the hood may need to move later.

KEY HIGHLIGHTS

- No ductwork needed
- Filter matched to the job
- Early warning
- Quiet operation

AT A GLANCE

230 m³/h (800, 1000); 690 m³/h (1300, 1600, 1600A)
AIR CAPACITY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

A turbine fan draws vapour away from the work area and pushes it through a filter chosen for the chemicals in use: organic, inorganic, formaldehyde, ammonia or HEPA. A VOC detector port with alarm warns when contamination rises, and a 5 inch touch screen handles fan speed, lighting and monitoring. Five sizes run from 800 mm to 1600 mm wide.

Specifications of the Master Science Ductless Fume Hood range (FMH-800 / 1000 / 1300 / 1600 / 1600A):

Where strong acids need full exhaust to outside, consider our ducted PP fume hood for acid instead of the Master Science Ductless Fume Hood.

The Master Science Ductless Fume Hood is suited to light and moderate chemical work such as:

Many labs handle volatile chemicals without proper extraction. The Master Science Ductless Fume Hood addresses:

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSFMH-800SWISS,MSFMH-1000SWISS,MSFMH-1300SWISS,MSFMH-1600SWISS,MSFMH-1600ASWISS
SKU	MSFMH-800SWISS,MSFMH-1000SWISS,MSFMH-1300SWISS,MSFMH-1600SWISS,MSFMH-1600ASWISS
Brand	Master Science
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SKU	MSFMH-800SWISS, MSFMH-1000SWISS, MSFMH-1300SWISS, MSFMH-1600SWISS, MSFMH-1600ASWISS
Air capacity	**230 m³/h (800, 1000); 690 m³/h (1300, 1600, 1600A)**
Face velocity	0.4-0.6 m/s
Fans	1 (800, 1000); 3 (1300, 1600, 1600A)
Noise	40-52 dBA
Filters	2 main filters + 1 pre-filter
Filter types	Organic, inorganic, formaldehyde, ammonia, HEPA H14
Alarm system	VOC alarm, temperature and humidity alarm
Lighting	LED lamp (equivalent to 25 W fluorescent)
Worktable	Epoxy resin board
Body	≥1.2 mm galvanized steel, epoxy powder coated
Sash	Transparent acrylic, over 5 mm thick, reverse sash window
Operation holes	2, trapezoid
Display	5 inch LCD touch screen

DIMENSIONS & WEIGHT	
External dimensions (W×D×H)	800 × 620 × 1245 / 1000 × 620 × 1245 / 1275 × 620 × 1245 / 1600 × 620 × 1245 / 1600 × 790 × 1245 mm
Internal dimensions (W×D×H)	781 × 574 × 934 / 981 × 574 × 934 / 1256 × 574 × 934 / 1581 × 574 × 934 / 1581 × 744 × 934 mm

POWER	
Power	42 W (800, 1000); 126 W (1300, 1600, 1600A)
Rated current	2 A (800, 1000, 1300); 5 A (1600, 1600A)
Voltage / frequency	110-240 V, 50-60 Hz

FUME PROBLEMS THE MASTER SCIENCE DUCTLESS FUME HOOD SOLVES	
No way to install ducting	Recirculating filtration works without any outside exhaust.
Unknown filter saturation	VOC alarm warns when vapour gets through.
Noisy extraction	Turbine fan keeps noise to 40-52 dBA.
Corroding surfaces	Epoxy-coated steel and an epoxy resin worktop resist chemical attack.

Key Benefits

No ductwork needed
The Master Science Ductless Fume Hood filters and recirculates air, so installation needs only a power socket.

Filter matched to the job
Choose organic, inorganic, formaldehyde, ammonia or HEPA filters for the chemicals you handle.

Early warning
A VOC detector with alarm signals when filter performance drops.

Quiet operation
The turbine fan runs at 40-52 dBA with no static and no sparks.

Applications

- **Weighing and decanting volatile solvents**
- **Sample preparation in teaching labs**
- **Histology and pathology work with formaldehyde**
- **Small-scale chemical handling in QC labs**
- **Labs without access to external exhaust**

Filtration

- Turbine fan draws vapour into the filter system
- Interchangeable filters for organics, inorganics, formaldehyde, ammonia and particles
- Pre-filter protects the main filters

Control and monitoring

- 5 inch touch screen for fan speed, lighting and data
- VOC detector port with alarm
- Temperature and humidity alarm

Construction

- Galvanized steel body with chemical-resistant, lead-free epoxy coating
- Epoxy resin worktop resistant to chemicals, heat and impact
- Clear acrylic panels, two operation holes and reverse sash window
- Heat-free LED lighting

Standard Accessories Included

- Main filters ×2
- Pre-filter ×1
- LED lamp
- 5 inch LCD touch screen control system
- Epoxy resin worktable
- Power cord

Optional Accessories

- Base cabinet
- Stainless steel table-board
- Anemometer
- UV lamp
- Water tap
- Water sink
- Ammonia alarm
- Formaldehyde alarm
- HCl alarm