

# VERTICAL GAS EXTRACTION CABINETS

Models FHA 1000/1200/1500/1800

Chemical Protection  
Vertical Suction Flow

## Features

The FHA series fume hoods are designed for modular laboratories where safe ventilation is required, minimizing exposure to and inhalation of chemical contaminants.

- Designed as a negative-pressure ventilation system that ensures the safety of operators and the laboratory environment.
- It operates by drawing in ambient air through the front opening of the hood and continuously venting it via an exhaust fan.
- It is constructed of epoxy-coated steel. The interior is constructed with high-grade melamine walls offering excellent resistance to acids and bases.
- The work surface is removable for easy cleaning and is constructed of phenolic material that is highly resistant to chemicals.
- Air is swept across the front at a speed  $> 0.4$  m/s and expelled to the outside.
- Optionally, special activated carbon filters and absolute filters can be installed, depending on the contaminants to be retained. A duct can be connected to the outlet and extended up to 4 meters to the outside without the need for a booster fan.
- Operating voltage 220 V / 50 Hz. Optional 110 V / 60 Hz. Maximum current consumption 6 A (approx. 1300 W).
- The cabinet comes standard with a UV light; 2 electrical outlets, a water inlet and drain, a gas inlet, and two 220 V IP55 outlets.
- Standard units come equipped with a water connection and sink, as well as a gas connection.



# VERTICAL GAS EXHAUST CABINETS

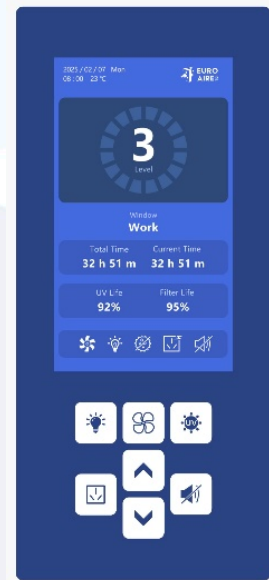
Models FHA 1000/1200/1500/1800

## Advantages

- It features a front panel with a bypass grille, designed to allow air to enter the unit even when the front window is closed, ensuring continuous ventilation.
- New design with a liquid collection tank behind the rear panel to collect residual liquid generated during the experiment.
- UV lamp for sterilization.
- Motorized sliding front glass panel.
- Microprocessor-controlled cabinet for adjusting airflow speed.
- The cabinet is equipped with an easy-to-use touch panel for controlling white/ultraviolet lighting, an internal power outlet, a gas valve, and parameters.
- Wheels for easy transport of the equipment.
- Air exhaust duct made of PVC and aluminum.

### Optional Accessories:

- Specific carbon filters for contaminants (ASK FOR DETAILS).
- HEPA H14 absolute filter



# VERTICAL GAS EXHAUST CABINETS

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## Technical Specifications

MODEL	FHA-1000	FHA-1200	FHA-1500	FHA-1800
Working Area (mm)	820 x 670 x 730	1020 x 670 x 730	1320 x 670 x 730	1620 x 670 x 730
External Dimensions (mm)	1040 x 800 x 2200	1240 x 800 x 2200	1540 x 800 x 2200	1840 x 800 x 2200
Transport dimensions Cab body (mm)	1190 x 990 x 1690	1390 x 990 x 1690	1690 x 990 x 1690	1990 x 990 x 1690
Transport dimensions Cab base (mm)	1190 x 990 x 900	1390 x 990 x 900	1690 x 990 x 900	1990 x 990 x 900
Cab base	Height of 850 mm (This height is included in the exterior cabin height)			
Outlet Pipe	Optional. PVC, maximum length 4 meters			
Outlet Pipe Diameter	300 mm			
Total weight (kg)	286	317	350	400
Material	Exterior made of epoxy-coated steel sheets. Interior lined with high-chemical-resistance melamine. Surface made of highly chemical-resistant phenolic material			
Control system	Cabinet controlled by a microprocessor with upgradeable FLASH memory			
Display	Touchscreen control panel, speed and light adjustment.			
Exhaust filter <b>OPTIONS</b>	Carbon filters / HEPA H14 filter with 99.995% efficiency at 0.3µm			
Airflow	0.4 ---- 0.8 m/s			
Standard accessories	2 electrical outlets + 1 water faucet + sink + 1 gas faucet			
Front glass panel	Double-pane safety glass, motorized sliding			
Noise level	≤ 65 dB			
LED lighting	1 x 8 W	1 x 12 W	1 x 16 W	1 x 16 W
Ultraviolet lamp	1 x 20 W	1 x 20 W	1 x 30 W	1 x 20 W
Power	220 V, 50 Hz ± 10% (Optional 110 V, 60 Hz) IP20 protection			
Power consumption of the unit only	400 W	400 W	500 W	500 W

## Order Reference

Code	Description
440206-FHA-1000	FHA-1000 Fume Hood
440206-FHA-1200	FHA-1200 Fume Hood
440206-FHA-1500	FHA-1500 Fume Hood
440206-FHA-1800	FHA-1800 Fume Hood

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