

CHEMICAL FUME HOOD WITH MOLECULAR ADSORPTION ON ACTIVATED CARBON

MINI BLACK



Registered office, production and offices: via G. Di Vittorio 1
25030 Adro (BS) – Italy

Tel: 030/5123683

Fax : 030/7457833

mob. 338/2614082

www.elmontsrl.com

e-mail : elmont.srl@fiscali.it

The hood has been designed to protect the operator and the surrounding/external environment from any contamination from handling harmful chemical substances from the work area.

Designed and built with the criterion of the typical chemical hoods for adsorption on activated carbon, small size for small laboratory operations.

Main features

- External carpentry in 12/10" thick sheet metal painted with oven-baked epoxy powder RAL 7035 (very light grey)
- Double back panel necessary to uniform the flow of extracted air and adequately clean the work surface from heavy vapours
- Closed worktop with tray for containing liquids, in AISI 304 stainless steel, removable for cleaning as a drawer.
- Front tempered glass (thickness 5 mm) that can be opened like a compass with the

- possibility of locking in fully open position
- Predisposition for the addition, even later, of a hose holder cock (gas or vacuum) placed on the left side of the working chamber
- Internal powerful centrifugal motor fan
- Exhaust collar (Ø 150 mm) for possible conveyance of the expelled air outside via PVC pipe
- Led lamp in the work chamber's outside area
- Front machine control panel with "soft-touch" membrane keyboard
- High quality electronic card managed by microprocessor, intuitive and easy to use controls.
- Possibility of manual adjustment of the air flow by the operator
- Digital electronic machine activity hour meter
- Visual pre-alarm on the display of exceeding the maximum period for replacing the installed filter (resettable)
- Built in compliance with the CEI EN 61010-1 standard, EN14175, 2006/42/EC, 2014/30/EU.

Technical features:

- | | |
|-------------------------------|---|
| · white lamp: | led (power 10 W) |
| · work area lighting: | > 700 lux |
| · volume of air filtered: | 350 m ³ /h (user adjustable) |
| · average air speed: | 0,5 m/sec (user adjustable) |
| · noisiness: | < 58 dB(A) |
| · installed power: | 300 W |
| · power supply: | 230V-50/60 Hz |
| · front opening height: | min 200 mm — max 350 mm |
| · external dimensions: | 800 x 580 x 940 mm (L x P x h) |
| · internal useful dimensions: | 795 x 500 x 575 mm (L x P x h) |
| · net weight: | |
| · Mini Black-C: | 73 kg |
| · Mini Black-H: | 69 kg |
| · Mini Black-CH: | 76 kg |

Models available

Depending on the filters installed, you can have the following models:

- Mini Black - C, with:

n° 1 class G3 prefilter arrester

n° 1 activated carbon filter C100/B100 thickness 100mm for odors in general, organic acids, solvents, hydrocarbons.

- Mini Black - H, with:

n° 1 class G3 pre-filter

n° 1 HEPA H14 absolute filter

- Mini Black - CH, with:

n° 1 class G3 pre-filter

n° 1 HEPA H14 filter

n° 1 activated carbon filter C100/B40 thickness 40mm for odors in general, organic acids, solvents, hydrocarbons.

The standard activated carbon filter has characteristics of activated impregnation for substances such as solvents, odors in general, organic acids, hydrocarbons. For other substances, ask for a different type of filter based on the substances used in the hood.

Accessories

Support stand. Small support bench completely in sheet metal (thickness 12/10mm), painted with very light gray polyepoxy powder (RAL 7035), adjustable feet for correct positioning on the ground. Prepared for union with the hood above by interlocking it on the upper surface. Dimensions 805L x 595D x 870H mm

Support stand with wheels. Support bench completely in sheet metal (thickness 15/10mm), painted with very light gray polyepoxy powder (RAL 7035), pivoting wheels for transformation into a trolley. Prepared for union with the hood above by interlocking it on the upper surface.

Dimensions 805L x 595D x 900H mm

Gas valve tap

(located on the right or left side)

Solenoid valve on fuel gas cock

Vacuum ball valve

Internal electrical outlet type UNEL-Schuko IP65 230V/50Hz (rear right side)

