

CHEMICAL FUME HOOD WITH MOLECULAR ADSORPTION ON ACTIVATED CARBON

MINI BLACK 80 VS



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

Mini Black VS has been designed to protect both the operator and the surrounding/external environment from any contamination from the handling of harmful chemical substances from the work area, in compliance with the provisions of Italian Legislative Decree 81/2008 .

The machine is built following the reference standards: its small dimensions (80x66cm) make it suitable for transport on a trolley, even for easy movement of the department or operations in areas otherwise inaccessible with a hood of greater weight and dimensions.

Filtration with total removal of solid particles and specific molecular filtration for the toxic vapours, allow the air to be recycled in the room without decompensation of the room conditioning system.

The hood is available in the Standard and Plus versions, both characterized by simple use and maintenance. Equipped with CE certification of conformity.

Main features

common to both versions

- External carpentry in 12/10" sheet steel painted with RAL 7035 epoxy powder.
- On request, the internal walls can be covered in polycarbonate or PVC in case of particularly aggressive special substances use
- Worktop in AISI 304 stainless steel tray with raised edges for containing liquids, completely removable as a drawer from the front of the hood
- Tempered front glass (thickness 5 mm) that can be opened manually vertically, positioned at the height desired by the customer (min. 150 / max 580 mm)
- Possibility of channeling the air expelled outside where possible from the installation room by applying the pipe directly to the optional Ø 150 mm collar
- Predisposition to accommodate in addition to the primary filtering group, a secondary filtration group. Total thickness in height: 110 mm max (e.g.: 1 carbofilter thickness 40 + 1

filter HEPA thickness 68mm

- N° 2 stages of filtration with thick carbofilters 40 mm, or 1 of 60 and 1 of 40)
- Thermally protected centrifugal fan of high quality and long life time
- LED lamp located outside the work chamber
- Optional internal electrical socket IP65 230V/50/60Hz
- Limited sound emission and lower than 58Dba
- Manual regulation of the aspirated air speed, by means of a potentiometer on the control keyboard

Additional main features only for the PLUS model

- Optional double rear suction bottom for the suction of fumes or heavy vapors from the bottom of the work surface in painted sheet metal
- Setting of the speed of the air entering the cabin chosen by the operator through a modern electronic board commanded and controlled by a microprocessor having command functions and sound and light alarms
- Control panel with soft-touch keyboard with passive buttons and a high-tech electronic board with the following functions:
 1. lighted hood main switch 0/1
 2. internal fan motor activation button
 3. LED lamp ignition button for internal lighting
 4. UVC lamp power button (optional)
 5. internal electrical outlet power supply button (the socket is optional)
 6. audible and visual alarm on the display of exceeding the maximum period for replacing filters (resettable)
 7. digital electronic machine activity hour meter

Technical features:

- Filtered air volume: max 650 m³/h / min 120 m³/h
- External dimensions: 800x660x1110 mm (LxPxH)
- Useful dimensions: 795x600x600 mm (LxPxH)
- Diet: 230 V – 50/60 Hz monofase
- Weight: 80 Kg approx.

Models available

Mini Black 80 VS Standard, equipped with:

- n° 1 internal centrifugal electric fan
- n° 1 prefilter class G3 – eff . 75/80%
- n° 1 10W LED lamp
- n° 1 stainless steel worktop with removable tray

Mini Black 80 VS Plus, equipped with:

- n° 1 internal centrifugal electric fan
- n° 1 prefilter class G3 – eff . 75/80%
- n° 1 electronic board with blue LED display
- n° 1 10W LED lamp
- n° 1 stainless steel worktop with removable tray

Accessories available on request

Sheet metal floor stand (thickness 12/10mm), painted with very light gray polyepoxy powder (RAL 7035), adjustable feet for correct positioning on the ground. Arranged for union with the hood above by inserting it on the top surface.

Sheet metal floor stand with wheels (thickness 12/10mm), painted with very light gray polyepoxy powder (RAL 7035). Arranged for union with the hood above by inserting the hood on the top surface.

Polycarbonate inner lining

Worktop in monolithic stoneware / polycarbonate / opaline tempered glass

Gas valve tap with hose holder

Solenoid valve on fuel gas cock

Vacuum ball valve with hose connection

Internal electrical outlet type UNEL-Schuko IP65 230V/50Hz 800W

External discharge connection diameter 160mm (optional)

