

VERTICAL LAMINAR FLOW CABINET

MINI FLOW ACTIVA



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The Mini Flow cabinet was designed and built with the criterion of typical Vertical Laminar Flow, but very small in size.

It has a small size, and a special trolley with wheels (optional), allow it to be easily transported and used where necessary.

The possibility of manually reducing the speed of the vertical laminar flow, in order to avoid any unwanted influences on the sensitivity of the balance, makes it particularly suitable for under hood weighing operations. By default, in fact, the laminar flow speed it is set at 0.40 m/s, but it can be increased or decreased very simply.

Main features

- External carpentry in 12/10" thick metal sheet painted with oven-baked polyepoxy powder
- Double rear aspiration backdrop
- Perforated worktop in AISI 304 stainless steel divided into two sections, with a smooth central area, which can be removed for through cleaning if necessary
- Tempered front glass (thickness 5 mm) that can be opened like a compass with the possibility of locking it in the fully open position (opening min.18 / max 33 – without glass 50cm)
- Arrangement for the addition, even later, of a tap (gas or vacuum) placed on the left side of the working chamber;
- Optional collar for fitting a expelled air ducting (not essential)
- N.1 thermally protected fan motor
- Simple and modern electronic board

controlled by microprocessor;

- Possibility of manual adjustment of the air flow by the operator directly on the keyboard for:
1. If necessary, modify the standard calibration carried out in the factory for particular working requirements;
 2. Gradually increase the fan motors voltage to remedy the progressive clogging of installed pre-filters and absolute filters, up to the maximum wear limit;
 3. Machine front control panel with "soft-touch" membrane keyboard;
- 10W LED lamp positioned outside the work chamber
 - Interlock white led lamp / germicidal UVC lamp (UVC optional)
 - UVC lamp operation timer with countdown that can be set by the customer with auto-off at the end of the cycle
 - Overall machine activity hour counter
 - Visual pre-alarm on the display of exceeding the maximum period for replacing the installed filter (resettable)
 - Type of mini flow and relative series filters installed:
1. Mini Flow FLV: Only 1 absolute HEPA filter on downflow
 2. Mini Flow FLV/H: n°2 absolute HEPA filters (one in downflow and one in exhaust)
 3. Mini Flow FLV/CH: 2 absolute HEPA filters (one in downflow and one in exhaust) and 1 standard 40mm thick carbofilter in exhaust.



Technical features:

- Working class: ISO 5 (UNI Standard - EN- ISO 14644-1)
- HEPA Filter Efficiency: > 99.995% MPPS – H14 according to EN 1822 standard
- carbon filter: C100/C40 only for Mini Flow FLV/CH
- LAF speed: 0.40 m/sec by default, user adjustable
- Scope: variable (standard 350 m³/h)
- Work area lighting: > 700 lux
- White lamp: type LED 4000°K (power 10 W)
- UV lamp (optional): UVC-germicidal type (power 15 W)
- Noise level: < 58dB(A)
- Thermal drift: < 4°C above temp. Environment
- Power supply: 230V 50Hz
- Installed power: 250W
- External dimensions: 800 x 580 x 940 mm (L x W xh)
- Internal useful dimensions: 795 x 500 x 540 mm (L x W xh)

Gross weight (with packaging):

- Mini Flow FLV: 85kg
- Mini Flow FLV/H: 88kg
- Mini Flow FLV/CH: 93kg

Net weight:

- Mini Flow FLV: 70kg
- Mini Flow FLV/H: 73kg
- Mini Flow FLV/CH: 78kg



Compliance and certifications:

The hoods comply with:

- 2006/42/EC machinery directive
- Electromagnetic Compatibility Directive
- The hoods have CE marking certification

Available versions and standard equipment

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

Mini Flow FLV, with:

n°1 HEPA absolute filter in downflow for cleaning from light dust
(the air taken up by the fan motor is expelled directly into the room)

Mini Flow FLV/H, with:

n° 1 absolute HEPA filter in downflow
n° 1 absolute HEPA filter in exhaust
(the air taken up by the fan motor is expelled after absolute filtration)

Mini Flow FLV/CH, with:

n° 1 absolute HEPA filter in downflow
n° 1 absolute HEPA filter in exhaust
n° 1 carbofilter 40mm in exhaust
(the air taken up by the fan motor is expelled after absolute and molecular filtration)

As standard, they are not equipped with a floor stand, to be requested separately if necessary.

Accessories available

Support stand, with adjustable feet or with pivoting wheels. Adequate bench entirely in 12mm thick sheet metal, painted with very light gray epoxy powder (RAL 7035), adjustable feet for correct positioning on the ground. Prepared for union with the hood above by interlocking the hood on the upper surface.

Front closing panel. To be used with activated germicidal lamp.

15W UVC Lamp Kit

Application 1 gas valve tap

Solenoid valve on fuel gas cock

Vacuum ball valve

Internal electrical socket IP65 230V/50Hz
(positioned internally on the back backdrop on the right)