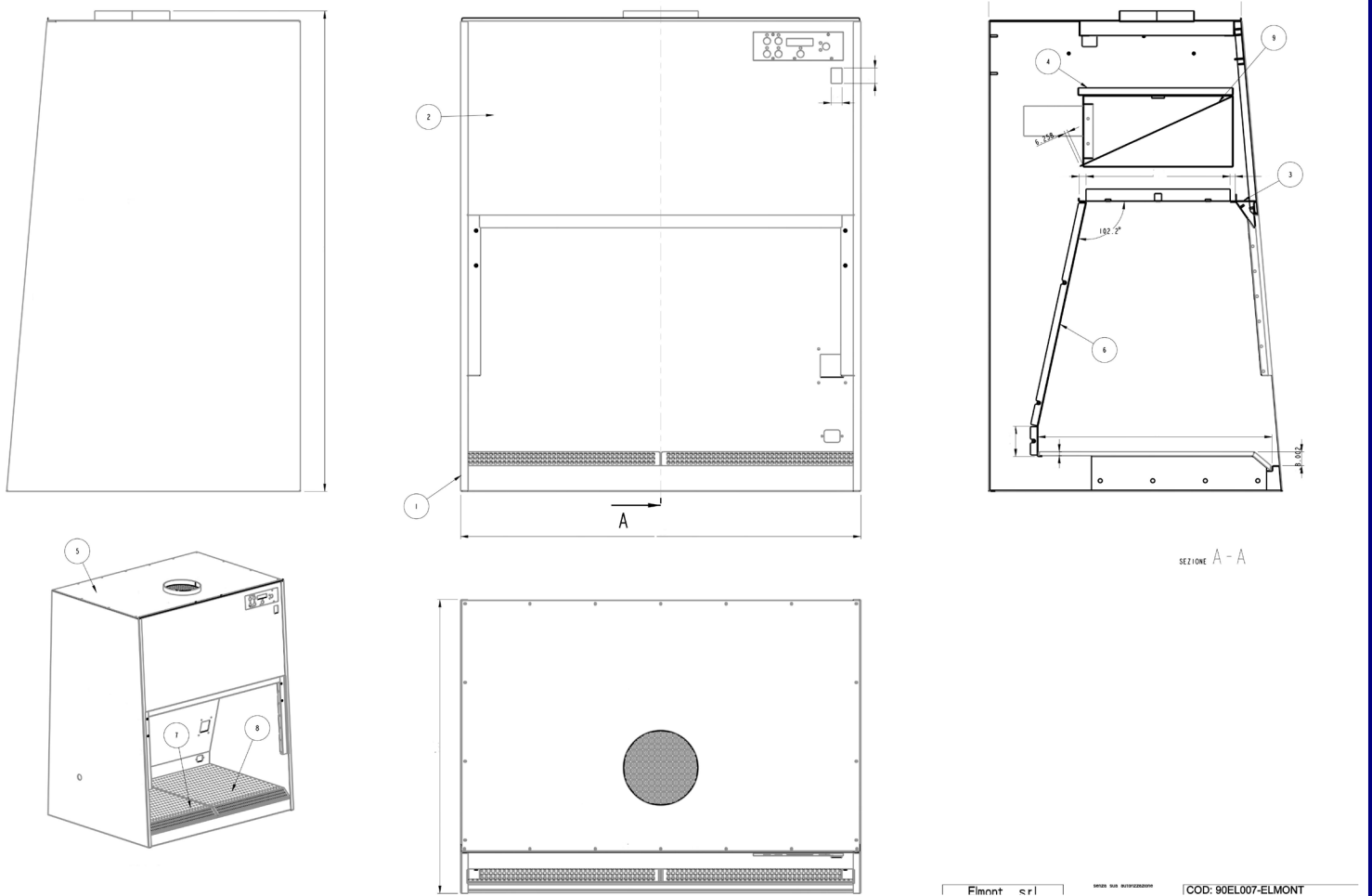


VERTICAL LAMINAR FLOW CABINET

MINI FLOW ACTIVA PCR



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

Tel: 030/5123683
www.elmontsrl.com

Fax : 030/7457833

mob. 338/2614082

e-mail : elmont.srl@fiscali.it

The Mini Flow hood - PCR type has been designed and built with the criterion of the typical class I Vertical Laminar Flow hoods, but in particular for PCR preparations. Installed as standard, the UVC lamp and the front closing panel.

80% of the air that passes through the HEPA filter and reaches the work surface via descending vertical laminar flow is expelled frontally towards the operator (maximum product protection, nothing for the operator), while only 20% passes through the perforated top and is taken up by the motor fan to be recirculated.

Main features

External carpentry in 12/10" thick metal sheet painted with oven-baked polyepoxy powder

- Double inox 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
- 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:

- If necessary, modify the standard calibration carried out in the factory for particular working requirements;
- Gradually increase the fan motors voltage to remedy the progressive clogging of installed pre-filters and absolute filters, up to the maximum wear limit;
- 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 standard)
- 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)
- Standard filters: n.1 HEPA H14 absolute filter on the descending vertical laminar flow



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 – PCR, supplied as standard with:

n° 1 pre-filter on the incoming air

n° 1 HEPA H14 absolute downflow filter

n° 1 U.V.C. lamp 15W as standard

n° 1 front closing panel - To be used with activated germicidal lamp

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.

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)