VERTICAL LAMINAR FLOW FOR SAMPLE PROTECTION

CRUMA 670FL

SERFLAM
Service et Fournitures pour Laboratoires



CRUMA vertical laminar flow hood with ISO Class 5 air purity creates a **sterile environment** free of particles and/or microorganisms that ensures the reliability of any test inside the hood. It incorporates a HEPA H-14 absolute filter whose minimum efficiency is of 99.995% for particles of 0.3 µm, and a 15W UV germicide lamp designed to decontaminate the hood before and after each use.

It includes **new important technical features** in order to satisfy the operator in his everyday task and his protection at work, taking care of the environment as well. All this with the same quality as always and up to 10 year guarantee.

USES

- √ Laboratory food industries in general
- √ Transfer of drugs in the pharmacy department
- √ Hematology and clinical analysis
- √ Filled with antibiotics and injectable drugs (except cytostatic) microscopic analysis
- √ Tissue culture bags reconstitution of parenteral methods of assisted fertilization techniques
- √ Micropropagation, Plant cell cultures, Water quality control, manufacturing of electronic devices...

NEW FEATURES

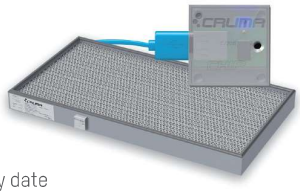


More information on the new LCD display

- √ New size 127x34mm display
- √ Type of filter installed, working hours and next revision date
- √ Countdown timer, clock and calendar

New features and components

- √ Initial cycle flow adequacy and final purge cycle
- √ Fault LED
- √ Control of air flow through Microprocessor
- √ HEPA filters with electronic chip
- √ LED illumination



New alarms and scheduled warnings

- √ Next validation warning
- √ Few hours of filter life warning
- √ Countdown timer warning
- √ Expired filter alarm by hours & by date
- √ Equipment without filter alarm

MAIN FEATURES

- √ **Manufacture**: outer surfaces made of cold rolled steel gray / ocher coating, stoveenamelled, resistant to the chemical compounds used for sterilization
- √ **Worktop**: the surface of the working chamber is in secured safety glass
- √ **Absolute HEPA H-14 filter** with flow equalizer, efficiency greater than 99.995% on 0.3 micron particles
- √ **Fan**: centrifugal double suction, suitable to provide laminar flow in the workspace
- √ **Control panel with soft-touch keyboard** and switch for LED and UV lamps; the air speed is kept at a constant rate thanks to the HEPA filter which is electronically self- regulated, electronic control air speed and control key to slow it down
- √ **Lighting**: LED lamp placed in the central part of the cabinet, for a better light distribution over the working surface

TECHNICAL FEATURES

Number of filters		1
Number of IP44 fans		1
Average face velocity		0,35 m/s
Total electrical power consumption		55 W
Power supply [1]		220-240 V ~ 50-60 Hz
LED light intensity		1300 lx
UV germicidal lamp		15 W
Noise level		57 ±3 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume	0,28 m^3
	Weight	65 Kg

[1] On request, available for 110 V / 127 V.

It is not a typographical error, *10 year warranty*

Because we are convinced of the quality of our products.

10 YEARS GUARANTEE / 10 ANOS GARANTIA

*More information www.cruma.es

Well done, well shipped. *Our responsible packaging*

Wood box 100% recyclable with international phytosanitary certificate.



Do you need help or *technical assistance?*

Contact your distributor or call us if you have any questions or need technical support, spare parts, maintenance service...

+34 93 370 61 62

CRUMA 50 years
Laboratory equipment made in Barcelona 1974-2024

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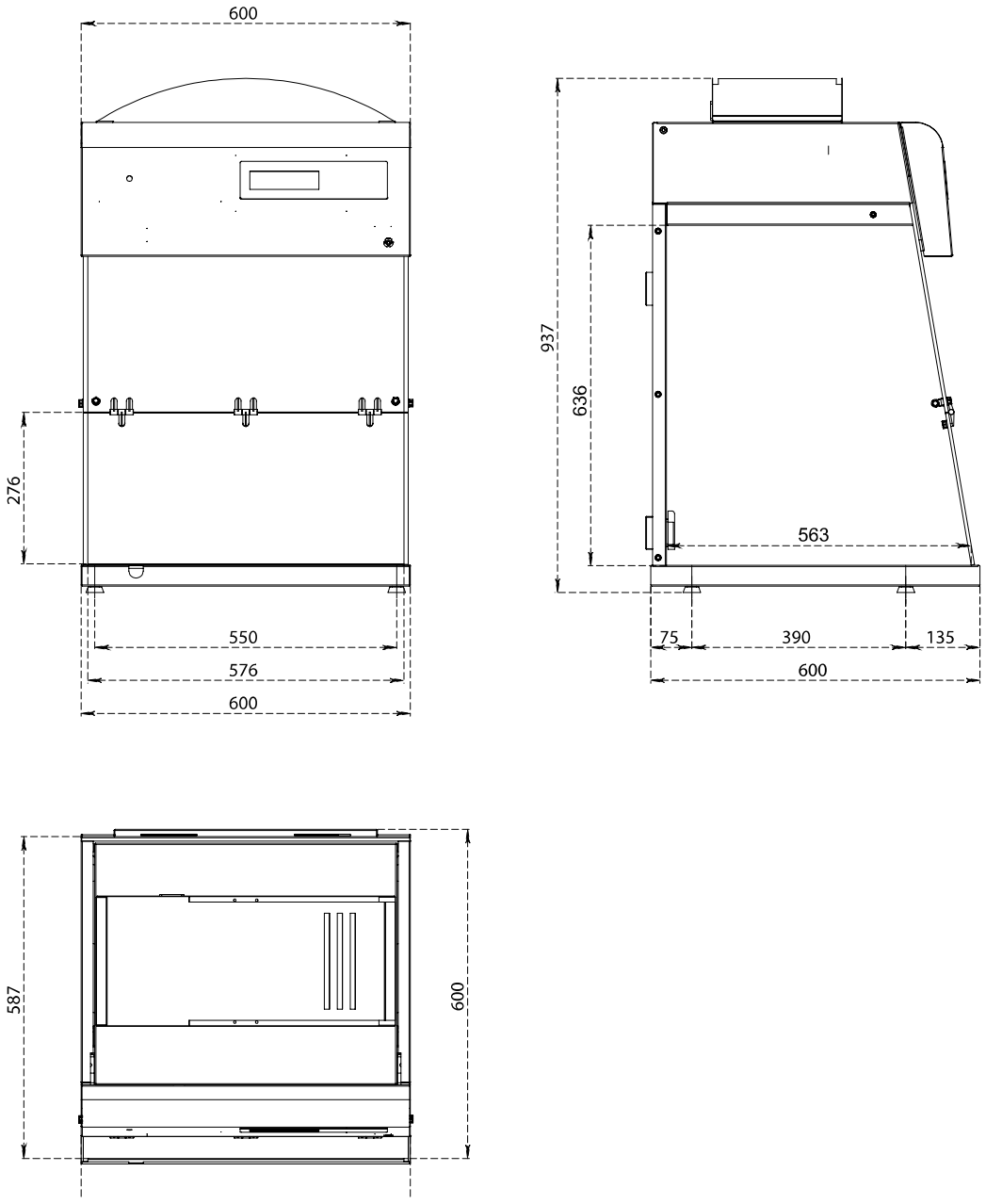
CE ISO 9001 · 2015 · our 7% engagement

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SIZES (mm)



SIZES (MM)

External			Internal		
Width	Depth	Height	Width	Depth	Height
600	600	937	576	563	636

MAIN STRUCTURE

Metallic parts	In 1.2 mm galvanized steel coated with anti-corrosion thermosetting polymer resin hardened at 200 °C
Side Panels	In transparent polymethyl methacrylate (PMMA), 6 mm thick. Light transmission 93%

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SERIAL EQUIPMENT

Electronic circuit with large format LCD display	Security levels: level 1 for users and level 2 for maintenance users
Electronic control device for filters replacement	The filters incorporate a chip with USB connection that identifies the type of filter installed, expiry date and the serial number
Illumination	LED Tube high light intensity and low power consumption - 15W / 1500 lm
UV Lamp	15W UV germicide lamp
Fluid connections	Individual gas tap
Digital timer with audible warning	For the continous supervision and control of the work carried out in the cabinet
Clock and Calendar	Display of date and time
Work surface	Spill retention tray (2-10 liters) with working surface in white tempered glass
G4 prefilter	Pre-G4 class pre-filtering blanket of synthetic biofibres (according to EN-779) for the retention of atmospheric dust
Electric socket	Individual switched electrical socket
Warranty	10 years

OPTIONAL EQUIPMENT

Tubular stand for 670FL
Stand with wheels Movilair for 670FL
Individual gas tap
Individual or double vacuum tap
Individual switched electrical socket

ACCORDING TO STANDARDS

Filters	UNE EN ISO 16890:2017 EN-1822:2010 (HEPA & ULPA Filters)
Quality	UNE EN ISO 9001:2015

