VERTICAL LAMINAR FLOW FOR SAMPLE PROTECTION

CRUMA870FL



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 7 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

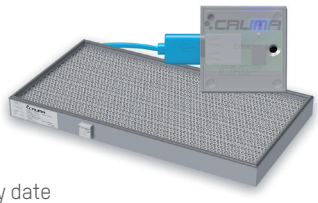


More information on the new LCD display

- √ 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		100 W
Voltage-Frequency		110-220 V / 50-60 Hz
LED light intensity		925 lux
UV germicidal lamp		15W
Noise level		57 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume	0,42 m^3
	Weight	92 Kg

It is not a typographical error, *7 year warranty*

Because we are convinced of the quality of our products.

7 YEARS GUARANTEE / 7 AÑOS GARANTÍA

*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?*

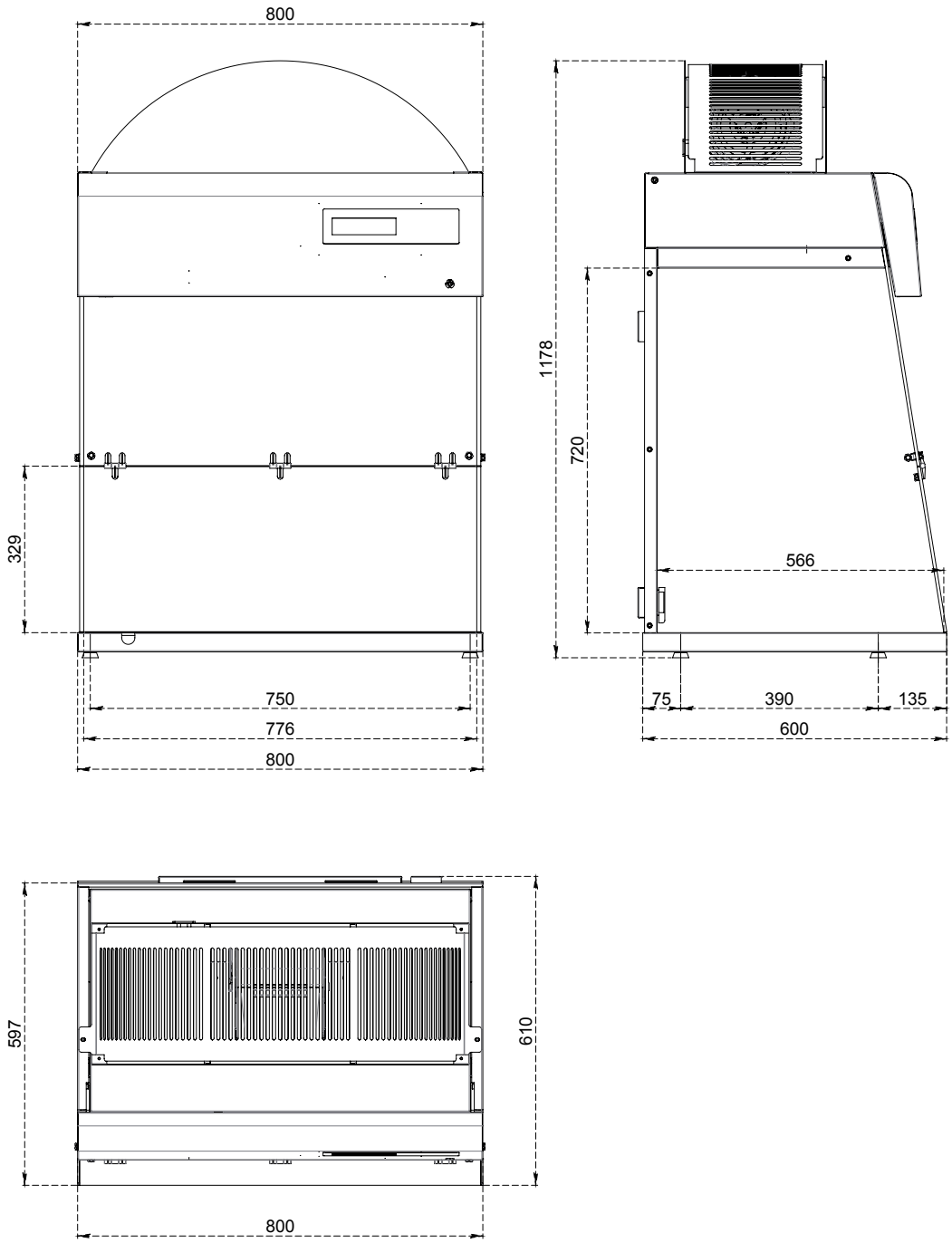
Contact your distributor or call us if you have any questions or need technical support, spare parts, maintenance service...

+34 93 370 61 62

VERTICAL LAMINAR FLOW FOR SAMPLE PROTECTION

CRUMA 870 FL

SIZES (mm)



SIZES (MM)

External			Internal		
Width	Depth	Height	Width	Depth	Height
800	600	1178	776	563	735

MAIN STRUCTURE

Metallic parts	1.2 mm galvanized steel, coated with antiacid polymer powder resin thermo-hardened at 200 ° C
Side Panels	**Transparent polymethylmethacrylate** 8 mm thick (light transmission of 93%)

CRUMA
Laboratory equipment made in Barcelona

CE

LLOYD'S REGISTER QUALITY ASSURANCE · ISO9001

VERTICAL LAMINAR FLOW FOR SAMPLE PROTECTION

CRUMA 870 FL

SERIAL EQUIPMENT

Electronic circuit with large format LCD display	Security levels: level 1 for users and level 2 for maintenance users
Filters controlled by microprocessor	The filters are provided with a chip with USB connection identifying the type of filter installed the expiry date
Illumination	LED high light intensity and low consumption 16 Watts / 1500 lm
UV Lamp	15W UV germicide lamp
Digital timer with audible warning	Hourmeter for the control and warning of the work in the cabinet
Clock and Calendar	Display of date and time
Work surface	Liquid retention tray (2-10 liters) with working surface in white tempered glass
G4 prefilter	Pre-filtering class G4 biofibre synthetic blanket
Gas tap	Individual tap for gas
Vacuum tap	Individual tap for vacuum
Electric socket	Individual electric socket
Warranty	7 years

OPTIONAL EQUIPMENT

Tubular stand for 870
Stand with wheels Movilair for 870
Double gas tap
Double vacuum tap
Double electric socket

ACCORDING TO STANDARDS

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



We recognise our responsability
and dependence towards a healthy environment and,
therefore, we destinate more than 7% of our annual budget in
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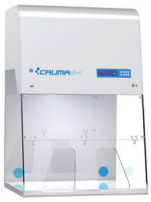
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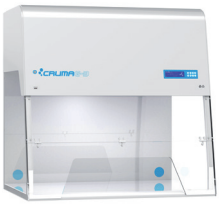
CRUMA
Laboratory equipment made in Barcelona

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CRUMA
PLUG&PLAY RANGE


G-1


G-2


G-3

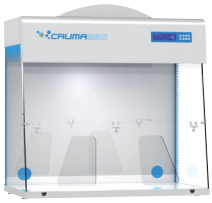

G-4

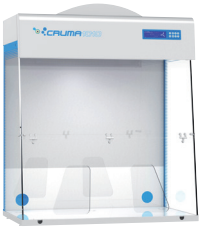

G-5

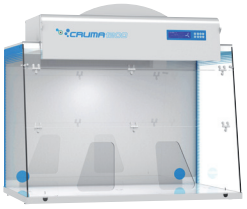
CRUMA
CLASSIC RANGE


670

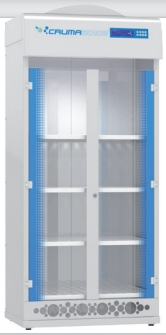

870


930


1010


1200


ECO



CRUMA
VENTED STORAGE CUPBOARDS

2010

CRUMA
POWDER CABINETS


P-1


P-2

CRUMA
PCR CABINET


PCR

CRUMA
CO_2 INCUBATOR


INCUBATOR

CRUMA
LAMINAR FLOW CABINETS


670FL


870FL


FL-1

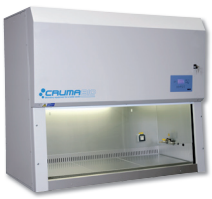

FL-2


HZ-1


HZ-2

CRUMA
BIOSAFETY CABINETS


BIO-1


BIO-2


VIRUSFREE


CYTO-2&3

DISTRIBUTED BY:

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CE our 7% engagement