

CRUMA HZ-1

The new **Cruma HZ-1** is our little horizontal laminar flow cabinet Class ISO 4 (former class 100) ideal for works that should ensure the protection of the products against external and cross-contamination.

The unique mounting system of the sidewalls, positioned inside the perimeter of the filter, prevents contaminants from entering into the work area through the same filter frame thanks to the Venturi-effect.

The air passes through a polyurethane fiber G-4 prefilter and it is pushed by the fan to the retention plenum, then goes through the absolute H-14 HEPA filter and reaches the working chamber. The airflow leaving the H-14 filter placed in front of the operator, at a constant speed, creates an ISO 4 sterile area removing any possible contaminants from the product you are working with.



USES

- ✓ Parenteral bags reconstruction
- ✓ Assisted reproductive technologies
- ✓ Micropropagation
- ✓ Plant Cell Cultures
- ✓ Food and water quality control
- ✓ Dust Protection in optics and electronics industry

NEW TECHNICAL FEATURES



More info on the new LCD screen

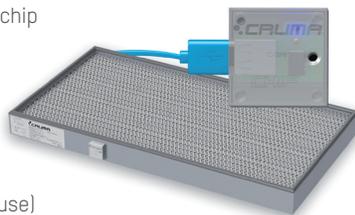
- ✓ Large format 127x34mm
- ✓ Type of filter installed, working hours, expiry date and next revision
- ✓ Countdown Timer
- ✓ Clock and calendar

New features and components

- ✓ Initial cycle flow adequacy and final cycle purge
- ✓ Fault LED indicator
- ✓ Air Flow Control by Microprocessor
- ✓ HEPA filters with electronic chip
- ✓ LED Lighting

New alarms and warnings

- ✓ Next Validation
- ✓ Few hours of filter life
- ✓ Countdown timer
- ✓ Filter has expired (hours of use)
- ✓ Filters has expired (expiry date)
- ✓ Cabinet without filter



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 stainless steel AISI 304 2B
- ✓ Acrylic transparent side walls
- ✓ **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 optional 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	2
Average face velocity	0,45 m/s
Total electrical power consumption	414 W
Voltage-Frequency	110-220 V / 50-60 Hz
LED light intensity	2 x 16W/1500 Lm
Noise level	45 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume 0,54 m ³ Weight 102 Kg

It is not a typographical error,
7 year warranty

Because we are convinced of the quality of our products.



*More information
www.cruma.es

Well done, well shipped.
Our responsible packaging

Wood box 100% recyclable with international phytosanitary certificate.



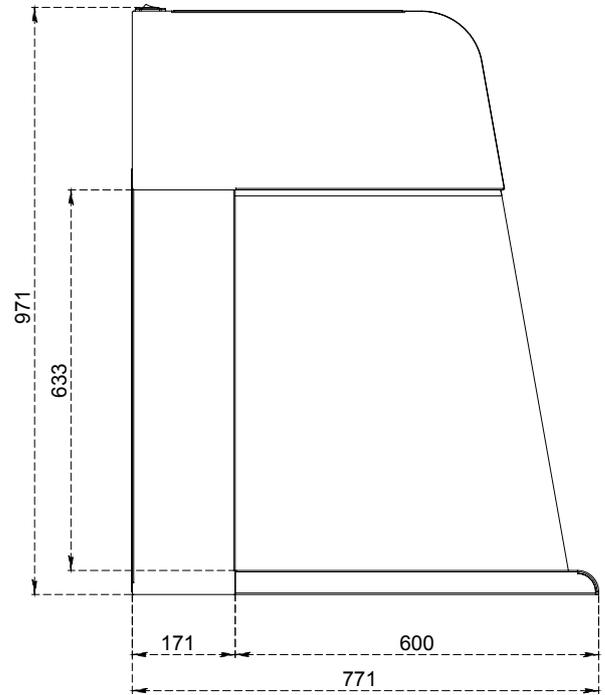
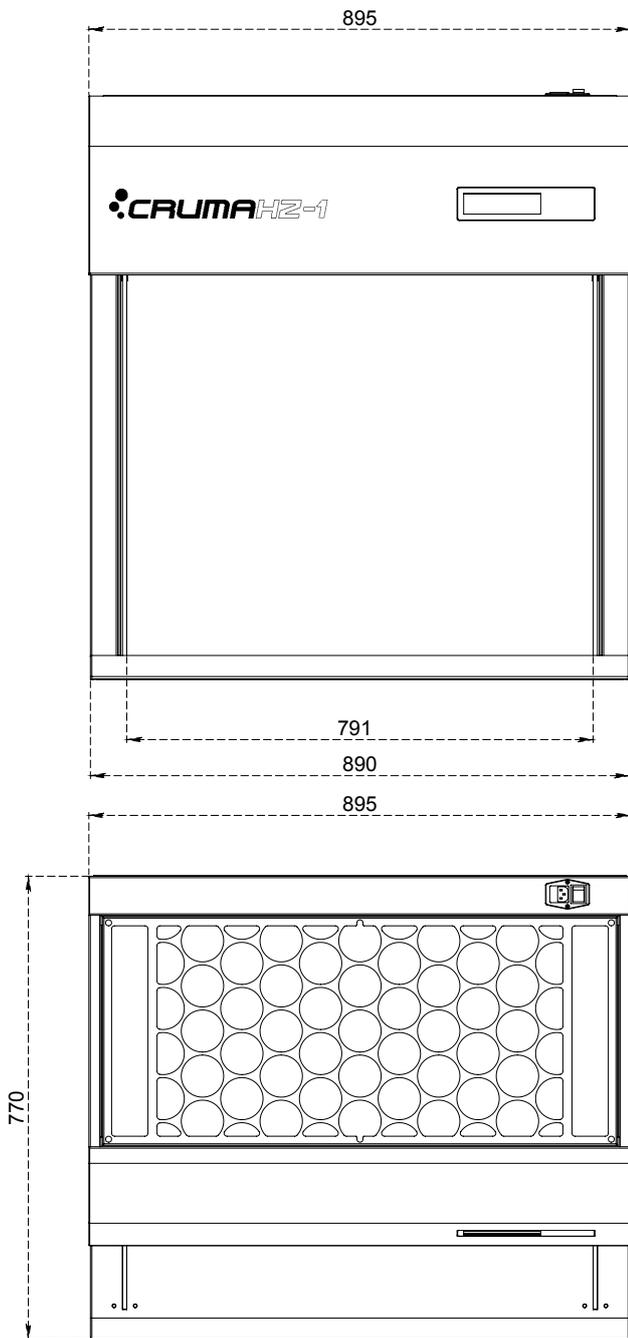
Do you need help or
technical assistance?

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

+34 93 370 61 62

CRUMAHZ-1

SIZES (mm)



SIZES (mm)

Exterior			Interior		
Width	Depth	Height	Width	Depth	Height
895	770	977	769	600	633

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 H2-1



STANDARD 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 and the expiry date
Illumination	96 LED high light intensity and low consumption 16W /1500lm
Digital timer with audible warning	Hourmeter for the control and warning of the work in the cabinet
Electrical plug	Placed in the internal roof of the cabinet and commuted with the electronic circuit
Clock and Calendar	Display of date and time
Steel work surface	Worktop of stainless steel surface AISI 304 2B
G4 prefilter	Pre-filtering class G4 biofibre synthetic blanket
Warranty	7 years

OPTIONAL EQUIPMENT

- Tubular stand
- Portable UV light (2 x 15 Watt UV lamps)

COMPLIANCE TO STANDARDS

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

We recognise our responsibility and dependence towards a healthy environment and, therefore, we destinate more than 7% of our annual budget in innovating and developing new products for the lab operator

our **7%** engagement

CRUMA
PLUG&PLAY RANGE



G-1



G-2



G-3



G-4



G-5

CRUMA
CLASSIC RANGE



670



870



990



1010



1200



ECO

CRUMA
VENTED STORAGE
CUPBOARDS



2010

CRUMA
DUCTED FUME HOOD
FOR ACIDS



H+

CRUMA
POWDER CABINETS



P-1



P-2

CRUMA
PRECISION WEIGHING
CABINET



W-2

CRUMA
PCR CABINET



PCR

CRUMA
LAMINAR FLOW CABINETS



670FL



870FL



FL1



FL2



HZ-1



HZ-2

CRUMA
BIOSAFETY CABINETS



BIO-1



BIO-2



VIRUSFREE



CYTO-2&3

CRUMA
CO₂ INCUBATOR



INCUBATOR

DISTRIBUTED BY: