VENTED STORAGE CUPBOARD

CRUMA2010



The **CRUMA** storage and filtration system is based on the technology employed in the **CRUMA** aspiration and filtration fume hoods. They are made up of ventilation and filtration systems which prevent stored inflammable, corrosive or toxic products from accumulating inside the cabinet or being expulsed into the laboratory or workroom.

The vented storage cupboard can store liquid reagents removing flammable, corrosive or toxic vapors by absorption in a specific activated carbon filter and without the need of external connection.

*All in compliance with national or international requirements and recommendations:
AFNOR NF X 15-211 (Class II), BS 7258, CSAZ 316.5, EN-1822, EN-141, EN ISO 9001-200

PROTECTION OF AND RESPECT FOR THE ENVIRONMENT –The toxic chemical products are not released outside but retained within the filter.

COST SAVINGS AND FAST SET UP –No building work is needed to install ducts to channel the gas outside, which means fewer problems for a laboratory working at full capacity.

FLEXIBLE –It can be used in areas where it is difficult to remove/extract contaminated air, such as from the lower levels in buildings that have a number of floors.

ENERGY SAVINGS –The air that is sucked in is not expelled but recirculated back into the lab after the contaminating substances have been removed. This means that it is not necessary to increase the use of the air-conditioning or heating systems to compensate for the air removed.

CERTIFIED –Manufactured in Spain and certified by an external laboratory according to international standards and applying the criteria of ISO 9001.

NEW FEATURES

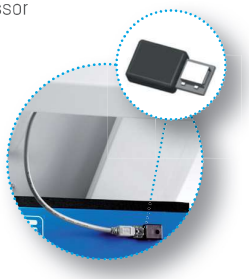


More information on the new LCD display

- √ New size 127x34mm display
- √ Air speed continuously monitored
- √ Type of filter installed, working hours, expiration date and next revision date
- √ Countdown timer
- √ Clock and calendar

New features and components

- √ Fault LED
- √ Control of air flow through Microprocessor
- √ 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)
- √ Expired filter alarm (by date)
- √ Equipment without filter alarm

USES

Storage of chemicals under the criteria of incompatibilities. Filters available:

- √ **Type A:** adsorption of vapours and organic solvents (ketones, ethers, alcohols and cyclics, etc.). Activated carbon without impregnation.
- √ **Type BE:** inorganic gases such as Cl2, HCl, HNO3, etc. and volatile sulphur compounds (H2S, H2SO4 and SOx, etc.). Activated carbon impregnated with metal compounds and neutralising salts.
- √ **Type F:** specific to formaldehyde and derivatives. Impregnated with Cu.

TECHNICAL FEATURES

Number of filtration columns		1
Number of filters		1 a 2
Number of IP44 fans		1
Average volume of treated air		160 m^3/h
Average face velocity		0,50 m/s
Internal volume of the cupboard		0,567 m^3
Renewals inside the cabinet / min		4,6
Total electrical power consumption		91 W
Voltage-Frequency		110-220 V - 50-60 Hz
LED light intensity		800 Lux
Noise level		48 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume	1,1 m^3
	Weight	150 Kg

SIZES (MM)

External			Internal		
Width	Depth	Height	Width	Depth	Height
800	548	1845	732	460	1388

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

Because we are convinced of the quality of our products.

7 YEARS GUARANTEE / 7 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...

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CRUMA
Laboratory equipment made in Barcelona

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CE our 1% engagement

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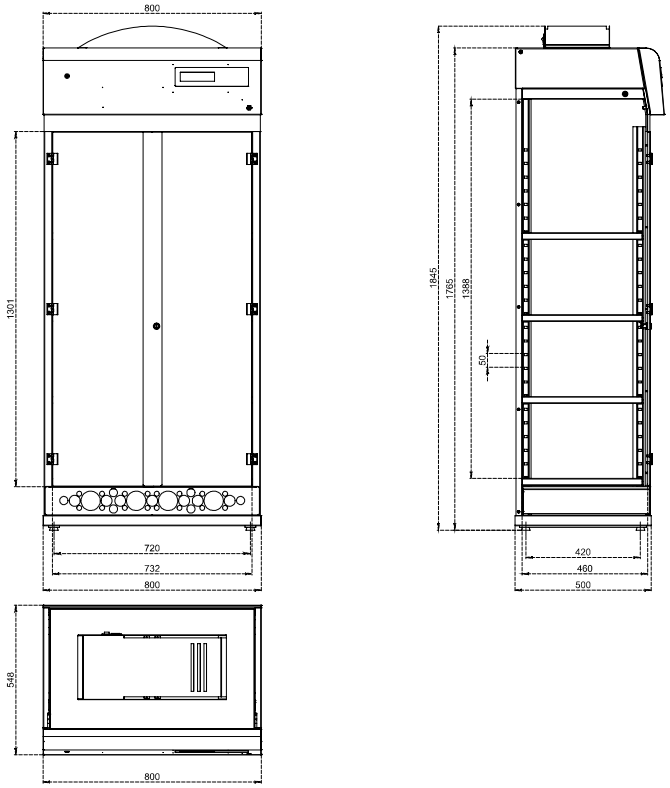
DIMENSIONES (mm)



SERIAL EQUIPMENT

Electronic circuit with large format LCD screen	Security levels: level 1 for users and level 2 for maintenance users
Electronic anemometer device	Electronic sensor monitoring continuously air face velocity
Electronic control device for filters replacement	The filters incorporate a microchip with miniUSB connection that identifies the type of filter installed, the expiry date and the serial no.
Illumination	96 LED Tube high light intensity and low power consumption - 16 Watts / 700 Lux
Sampling system to analize the filtered air at the exhaust	To detect the level of filter saturation
60 hours alarm	Countdown timer according to French NF X 15-211:2009
Electronic cronometre with audible alarm	To program the work inside the fume hood
Clock and calendar	Display of date and time
G4 Prefilter	G4 class pre-filtering blanket of synthetic biofibres (according to EN-779) for the retention of atmospheric dust
Chemical Listing	Guide of retained products by type of filter
Warranty	7 years

OPTIONAL EQUIPMENT

Voltage / Frequency	125 V / 50 Hz
Filter test kit	Dräger pump with reactive colorimetric tubes (pack 10u)

MAIN STRUCTURE

Metal parts: base frame, rear wall and head	1.2 mm galvanized coated steel with anti acid polymer resin powder heat-hardened at 200 °C
Front and side panels	Transparent polymethylmethacrylate 6 mm thick (light transmission of 93%)

CRUMA Laboratory equipment made in Barcelona

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CE

LLOYD'S REGISTER QUALITY ASSURANCE · ISO9001