

CRUMAECO²



The ECO2 storage cabinet is a more simplified and environmentally friendly product without sacrificing performance, functionality and quality. In response to a demanding market, our R+D+i department has developed this new model based on two fundamental premises: Economy and Ecology, hence its name. All of this while maintaining the technology used in our ductless fumehoods, which allows the vapors generated inside to be adsorbed and does not require a connection to the outside. In this way, it allows liquid or solid reagents to be stored inside and prevents both dust and toxic, inflammable or corrosive vapors from accumulating inside or being expelled into the working room.

CERTIFIED — Manufactured in Barcelona and certified by an external laboratory following international standards, applying the criteria of ISO 9001.

MOBILITY AND FLEXIBILITY — Due to its dimensions and reduced weight, as well as the absence of works to install a duct system outside, the possibilities of location and replacement are simpler. Moreover, as it is a dismantlable product, it can be stored and placed in any laboratory without any problem (narrow passages, narrow or difficult to access stairs, etc.).

PROTECTION — Thanks to its filtration system, the aspirated air is recirculated back into the room free of contaminants, thus allowing a constant renewal of the room air. Toxic vapors and contaminating particles are captured inside the filter, where they are neutralized.

GREEN AND SUSTAINABLE — In addition, not consuming the laboratory's air conditioning, it substantially reduces energy costs while providing point-of-use protection without releasing hazardous pollutants into the atmosphere.

SERIAL EQUIPMENT

Mechanical anemometer	Mechanical probe for continuous control of air velocity in facade
Illumination	LED tube high intensity and lower power 15 Watts / 1500 lm
Exhausted air sampling probe	Detection system of the saturation level of the filter medium
Lock	Key lock
Shelves (4)	Additional metal shelves (2u) with holes that support up to a maximum of 20L/25kg
Inert absorbent mat	Mat for liquid absorption in case of spillage
G4 Prefilter	G4 class pre-filtering blanket of synthetic biofibres (according to EN-779) for the retention of atmospheric dust
Warranty	2 Years

OPTIONAL EQUIPMENT

Voltage / Frequency	125 V / 50 Hz
Filter test kit	Dräger pump with reactive colorimetric tubes (pack 10 u.)
Shelves (2)	Additional metal shelves (2u) with holes that support up to a maximum of 20L/25kg

MAIN STRUCTURE

Metal parts: base frame, rear wall and head	In 1.2 mm galvanized steel coated with anti-corrosion termosetting polymer resin hardened at 200 °C
Doors	In transparent polymethyl methacrylate (PMMA) 6 mm thick. Light transmission 93%

USES

Storage of chemical products, liquid or solid under the criteria of incompatibilities. Filters available:

- ✓ **Type A:** Suitable for organic vapors such as ketones, ethers, alcohols, aromatics compounds, etc.
- ✓ **Type BE:** For inorganic acid vapors such as H₂SO₄, HCl, HNO₃ and volatile sulfur compounds such as H₂S, SO₃, etc.
- ✓ **Type F:** For formaldehyde vapours, formol, and derivatives.
- ✓ **Type K:** Suitable for ammoniacal vapours (NH₃) and amines.
- ✓ **Type D:** HEPA H-14 filter, suitable for the filtration of dusts.

TECHNICAL FEATURES

Number of filtration columns	1	
Number of filters	1 to 2	
Number of IP44 fans	1	
Internal volume of the cabinet	0,567 m ³	
Storage capacity (litres)	80L max. (20L per shelf)	
Total electrical power consumption	47 W	
Voltage-Frequency	110-220 V - 50-60 Hz	
LED light	1500 lm	
Noise level	55 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	500	1834	760	468	1393

It is not a typographical error,
2 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.

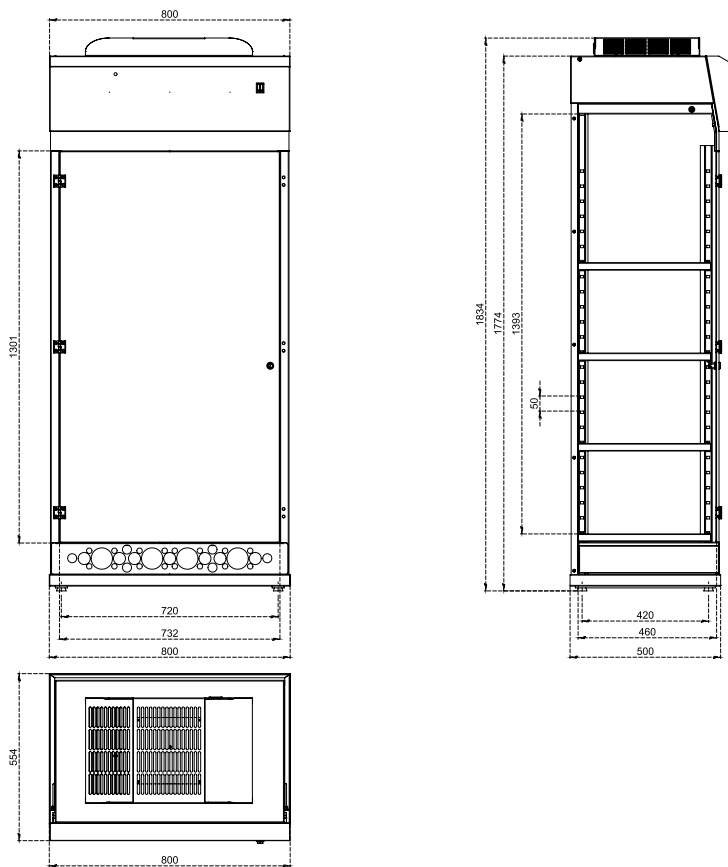


Do you need help or
technical assistance?

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

+34 93 370 61 62

SIZES (mm)



INCOMPATIBILITIES IN THE STORAGE OF CHEMICAL PRODUCTS SEPARATE OR JOINT STORAGE

	Explosives	Comburents	Inflammable	Toxic	Corrosive	Harmful
EXPLOSIVES	YES	NO	NO	NO	NO	NO
COMBURENTS	NO	YES	NO	NO	NO	(2)
INFLAMMABLE	NO	NO	YES	NO	(1)	YES
TOXIC	NO	NO	NO	YES	YES	YES
CORROSIVE	NO	NO	(1)	YES	YES	YES
HARMFUL	NO	(2)	SI	YES	YES	YES

(1) They may be stored together if corrosive products are not packed in fragile containers.

(2) They may be stored together if certain measures of prevention are taken. These are general criteria. For any other type of classification of danger levels, the possible storage incompatibilities must be more fully examined.

✓ Products that react with water must not be stored in the same area as other inflammable or combustible liquids.

✓ Inflammable or combustible liquids must not be stored in conventional refrigerators.

INCOMPATIBILITIES SEPARATION METHODS. SEGREGATION CRITERIA.

NUMBER	CHEMICAL GROUP	DO NOT STORE WITH CHEMICAL NUMBER GROUPS WITH THE INDICATE NUMBERS
1	Inorganic acids	2-8, 10, 11, 13, 14, 16-19, 21, 22, 23
2	Organic acids	1, 3, 4, 7, 14, 16, 17-19, 22
3	Caustic products	1, 2, 6, 7, 8, 13-18, 20, 22, 23
4	Amines and alkanolamines	1, 2, 5, 7, 8, 13-18, 23
5	Halogenated compounds	1, 3, 4, 11, 14, 17
6	Alcohols, glycols, glycol-ethers	1, 7, 14, 16, 20, 23
7	Aldehydes	1-4, 6, 8, 15-17, 19, 20, 23
8	Ketones	1, 3, 4, 7, 19, 20
9	Saturated hydrocarbons	20
10	Aromatic hydrocarbons	1, 20
11	Olefins	1, 5, 10
12	Petroleum oils	20
13	Esters	1, 3, 4, 19, 20
14	Monomers, polymerisable esters	1-6, 15, 16, 19-21, 23
15	Phenols	3, 4, 7, 14, 16, 19, 20
16	Alkylene oxides	1-4, 6, 7, 14, 15, 17-19, 23
17	Cyanohydrins	1-5, 7, 16, 19, 23
18	Nitrils	1-4, 16, 23
19	Ammonia	1-2, 7, 8, 13-17, 20, 23
20	Halogens	3, 6-15, 19, 21, 22
21	Ethers	1, 14, 20
22	Elemental phosphorous	1-3, 20
23	Acid anhydrides	1, 3, 4, 6, 7, 14, 16-19