VENTED STORAGE CUPBOARD

CRUMA2010

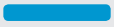
FILTER TYPES

Type A	For **organic vapors** such as ketones, ethers, alcohols, xylenes ... Eventually it can be used for inorganic acids, but only if used in small quantities because this activated carbon is not impregnated and the excess of acid vapors could saturate it quickly.
Type BE	For **inorganic acid vapors** as H2SO4, HCl, HNO3, and volatile sulfur compounds such as H2S, SO3, ... It can be used with organic vapors because the activated carbon incorporates impregnation of metal compounds and neutralizing salts. It is also suitable to filter organic and inorganic compounds when they are in similar proportions.
Type F	For **formaldehyde vapors** and derivatives; also good for other organic compounds. Carbon impregnated with Cu leads, so that it should never be used with inorganic acid vapors.

MODULAR FILTRATION COLUMN FOR GASES (according to NFX 15-211:2009)

CLASS 2

Type G Handling of liquid compounds /products		**Type GS** Handling of liquid and particles compounds/products	

 Fan  Molecular Filter

ACCORDING TO STANDARDS

Cabinets / Fume Hoods	AFNOR NF X 15-211:2009 (France) BS 7258: 94 (UK) BS 7989: 2001 (UK) ANSI/ASHRAE 110-1995 (USA)
Filters	CSA Z 316.5-94 (Canada) EN-779: 1996 (HEPA & ULPA Filters) EN-1822:1998 (HEPA & ULPA Filters) EN-141:2001 (Gas Filters)
Quality	UNE EN ISO 9001:2008

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	Nitryls	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



we recognise our responsibility and dependence towards a healthy environment and, therefore, donate 1% of our annual sales to environmental organisations around the world.

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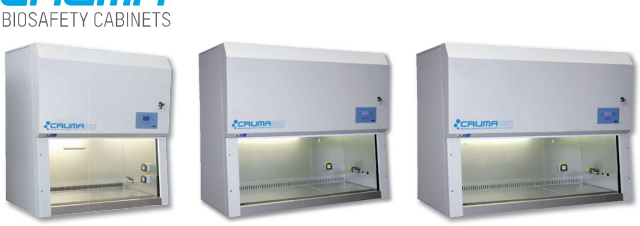
BIOSAFETY CABINETS



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