

FLAMMABLE
CABINETS

CORROSIVE
CABINETS

TOXIC CABINETS
AND MULTIRISK

PESTICIDE
CABINETS



ECOSAFE

www.ecosafesa.com

Labopur®

DUCTLESS FUME HOODS
FILTERING CABINETS
VENTILATION

SHELVINGS
CONTAINMENT
CANS

YOUR ECOSAFE RESELLER:

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ANTI-FIRE EQUIPMENTS
FILE CABINETS

SHOWERS AND
FIRST-AID EQUIPMENTS

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ECOSAFE

www.ecosafesa.com

ECOSAFE is the manufacturer of safety products that **offers the widest range of the world** in this field, from **storage** (with our safety storage cabinets) to **manipulation of chemicals** (with our ductless fume hoods).

Specialized for more than 30 years in chemicals manipulation and storage for industries, laboratories and universities, **ECOSAFE** is happy to present our complete new catalogue offering our whole product range.

For many years, **we have tried to improve our quality and offer**, and to follow the direct line of development by respecting:

- **Manufacture and certification with the strictest existing norms on the market,**
- **Control and price cutting that allow to propose competitive price lists,**
- **A know-how that maintain our production in Western Europe.**

All the products presented in this catalogue are the result of our principles.

The **ECOSAFE** products **are conform with the strictest existing norms** in our field:

- **EN 14470-1** on our safety cabinets for flammables,
- **FM & OSHA** for the cabinets for industries,
- **NF X 15-211 - may 2009** for our ductless fume hood,
- **EN 15154-1 & EN 15154-2** for our safety showers and eye-washers.

ECOSAFE, stands also for :

- An **important** and **permanent technical** and **sales support** for our partners with a big team able to answer to all your questions and needs,
- A **logistic solution** to insure a rapid and safe delivery,
- A wide range of partners all over the world that help us to make

ECOSAFE more well known and show the quality of our products,

- A **high visibility** thanks to the participation of the **biggest exhibition** in the world, directly or in collaboration with our partners,
- International scope and mindset.

ECOSAFE, in figures, it is:

- **220 000 safety cabinets and ductless fume hoods** sold all over the world,
- **2500m²** of manufacture space for improving quality and production,
- **3000 m²** of storage for a rapid delivery all over the world,
- More than **900 references** of products in order to answer all the needs of our customers.

The **ECOSAFE** export team



**A question?
An advice?**

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SELECTION GUIDE

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

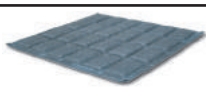
1

You store chemical products		We propose you		Range	You are in compliance with	Pages
flammables 	Safety cabinets with fire resistance	Cabinets type 105 min	7.90	EN 14470-1	10	
		Cabinets type 60 min	7.60		16	
		Cabinets type 30 min	3030		18	
		FM cabinets	2	FM – NFPA – OSHA	28	
	Safety cabinets	Safety cabinets with extinguisher	1	-	27	
		Safety storage cabinets	3/5	NF EN ISO 1182	30	
		Secure cabinets	14.E	-	43	
	Safety shelvings	Safety shelvings	R	-	90	
	Containment tanks	Containment tanks	BR	-	87, 89	
			G	EPA – UFC	88	
Safety cans	Stainless steel cans	S	FM – UL	95		
	Steel cans	J	FM – NFPA – OSHA	93		
corrosives 	Safety cabinets built in steel	FM cabinets	4	FM – NFPA – OSHA	35	
		Ventilation cabinets	11.A	-	40	
	Hight-corrosive products safety cabinets	Corrosion resistant cabinets	8.A & 8.B	-	36, 38	
		Cabinets type 30 min	3030.M	EN 14470-1	39	
	Safety shelvings	Safety shelvings	R	-	90	
	Containment tanks	Containment tanks	BR	-	87, 89	
			G	EPA – UFC	88	
	Safety cans	HPDE cans	J	FM	94	
toxics / noxious 	Safety cabinets	Ventilation cabinets	13	-	51	
		Safety cabinets for drums	14.F	-	96	
		Filtering ventilation safety cabinets	12.X	NF X 15-211*	78	
		Filtering ventilation secure cabinets	14.X	-	80	
	Safety shelvings	Safety shelvings	R	-	90	
		BR	-	87, 89		
	Containment tanks	Containment tanks	G	EPA – UFC	88	
different chemical families (flammables, corrosives, toxics, noxious...) 	Safety cabinets	Under-bench cabinets	6	EN 14470-1	54	
		Multirisk and moduable secure cabinets	14		44	
		Compartments cabinets	11.A		50	
		Secure cabinets	14.L		48	
		Secure cabinets with drawers	14.T		49	
		Secure cabinets	14.E		43	
		Secure cabinets with glazed doors	18		47	
		2 compartments secure cabinets	1.M		46	
		Multirisk cabinets type 105 min	7.90M		14	
		Multirisk cabinets type 90, 60, 30 and 15 min	11.B		52	
		Multirisk cabinets type 20 min	3030.M		20	
		Filtering ventilation safety cabinets	12.X		78	
		Filtering ventilation secure cabinets	14.X		80	
		pesticides 	Safety cabinets		Safety cabinets	16.E
Secure cabinets	16.L			-	57	
Ready to build secure cabinets	16.K			-	58	
Safety shelvings	HPDE safety shelvings		R	-	90	
	Steel safety shelvings		R	-	90	
Containment tanks	Containment tanks		BR	EPA – UFC	87, 89	
		G	-	88		
gas cylinders 	Safety cabinets	Antifire safety cabinets	7.90BG	EN 14470-2	22	
filing/ document 	Safe for documents	Fire resistant filing/document cabinets	AD30-AD76-AD79	NT Fire 017	104 to 106	
		Safe for documents	AD3 & AD4	NF EN ISO 1182	102, 103	
You need to collect your wastes						
flammables	Safety cabinets	Cabinets type 105 min for recovery of waste	7.90ARD	EN 11470-1	24	
You use chemical products						
flammables, corrosives, toxics, noxious... 	Ductless fume hoods	Labopur ductless fume hoods	H	NF X 15-211 – Classe 2	60, 77	
		PMSF – Ductless fume hood and storage cabinets with recirculating air	H	-	68	
	Laminar flow clean benches	Laminar flow clean benches	H	EN 12469 - ISO 14644-1 classe 3	73	
	Biological safety cabinets	Biological safety cabinets	H	-	74	
You would like to vent your cabinet						
ventilation	Without active charcoal filter	Ventilation boxes	V	-	83	
		ATEX ventilation boxes	V	ATEX	84	
	With active charcoal filter	Recycling air box Labopur	H	NF X 15-211*	82	
		Filtration boxes	V	-	83	
You need equipments						
fire protection 	Safety waste bins	Safety waste bins	P & J	TNO – IBBC – NVBB – FM	99, 100	
	Fire blankets	Fire blankets	A	EN 1869-1997	100	
	Safety ashtrays	Safety ashtrays	C	-	101	
first-aid 	Safety combination units, showers and eye-washers	Combination units	DL	EN 15154-1, EN 15154-2	110, 111	
		Showers connected to water network	DL	EN 15154-1	114, 115	
		Eye-washers connected to water network	DL	EN 15154-2	112, 113	
		Portable shower stations	DL	-	117	
		Autonomous eye-washers	DL	-	117	
	Medicine cabinets	Medicine cabinets	19	-	118	

*Active coal filters absorption's capacity and filtration system are tested and certified NF X 15-211 - may 2009.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 07/2015

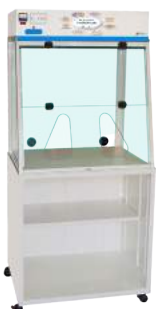
ACTIVE COAL FILTERS SELECTION GUIDE

	Kind of filter	Filter for vapors	P/N from 2011	Weight (kg)	For	P/N before 2011
Filtration boxes						
	 H 150 x Ø 150 (mm)	Organic	CDFORG	3	Range V - Boxes : CDF-A, CDF-P, CVAT, CMAT, CTAT	CDF-F20
		Corrosive	CDFCORG	3		CDF-F35
		Polyvalent ⁽¹⁾				CDF-F15
		Formaldehyde	CDFFOR	3		-
		Ammonia	CDFAMM	3		-
	 H 70 x W 390 x D 390 (mm)	Organic	ORG50	8	Range H - Boxes : H50	ORG50
		Polyvalent ⁽¹⁾	CORG51	9		CORG51
		Formaldehyde	FOR50	8		-
		Ammonia	AMM50	8		-
Filtering ventilation cabinets						
	 H 150 x Ø 150 (mm)	Organic	CDFORG	4	Range 12 Cabinets: AF10	CDF-F20
		Corrosive	CDFCORG	4		CDF-F35
		Polyvalent ⁽¹⁾				CDF-F15
		Formaldehyde	CDFFOR	4		-
		Ammonia	CDFAMM	4		-
 	 H 70 x W 390 x D 390 (mm)	Organic	ORG50	8	Range 12 - Cabinets: AF1, AF2 (before February 2002)	CFR720
		Corrosive	CORG51	9		CFR735
		Polyvalent ⁽¹⁾				CFR - CFR70 - CFR715
		Formaldehyde	FOR50	8		-
		Ammonia	AMM50	8		-
	 H 20 x W 390 x D 390 (mm)	Polyvalent ⁽¹⁾	FCR	1	Range 12 - Cabinets: AF1, AF2 (before February 2002)	FCR
	 H 200 x W 100 x D 400 (mm)	Organic	ORGFC	10	Range 12 - Cabinets: AF1, AF2, AF2-2, AF4-2, AF4-3, AF4-4 (before July 2008)	FC20
		Corrosive	CORGFC	10		FC35
		Polyvalent ⁽¹⁾				FC15
		Formaldehyde	FORFC	10		-
		Ammonia	AMMFC	10		-
	 H 70 x W 730 x D 380 (mm)	Organic	ORG300	16	Range 12 - Cabinets: AF1, AF2, AF2-2, AF4-2, AF4-3, AF4-4 (before July 2008)	FC20
		Corrosive	CORG301	15		FC35
		Polyvalent ⁽¹⁾				FC15
		Formaldehyde	FOR300	16		-
		Ammonia	AMM300	16		-

⁽¹⁾ organic + corrosive. CORG polyvalent active coal filters can adsorb the most common chemical products used: organic and inorganic acids, organic compounds or solvents.

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ACTIVE COAL FILTERS SELECTION GUIDE

	Kind of filter	Filter for vapors	P/N from 2011	Weight (kg)	For	P/N before 2011
Fume Hoods						
	 H 70 x W 390 x D 390 (mm)	Organic	ORG50	8	Range H Fume hoods : H60	-
		Polyvalent ⁽¹⁾	CORG51	9		-
		Formaldehyde	FOR50	8		-
		Ammonia	AMM50	8		-
	 H 70 x W 545 x D 380 (mm)	Organic	ORG200	11	Range H Fume hoods : H200, H201 H210, H211 PMSF200	ORG200
		Corrosive	CORG201	11,5		CORG200
		Polyvalent ⁽¹⁾	CORG201	11,5		CORG201
		Formaldehyde	FOR200	12		-
		Ammonia	AMM200	12		-
						-
	 H 70 x W 730 x D 380 (mm)	Organic	ORG300 ORG400 ORG1300 ORG2300	16	Range H Fume hoods : H300, H301, H310, H311, H400, H401, H410, H411, H1300, H1301, H1310, H1311, H2300, H2301, H2310, H2311, PMSF400, PMSF1300, PMSF2300	ORG300 ORG400 ORG1300 ORG2300
		Corrosive	CORG301 CORG401 CORG1301 CORG2301	15		CORG300 CORG400 CORG1300 CORG2300
		Polyvalent ⁽¹⁾	CORG301 CORG401 CORG1301 CORG2301	15		CORG301 CORG401 CORG1301 CORG2301
		Formaldehyde	FOR300 FOR400 FOR1300 FOR2300	16		-
		Ammonia	AMM300 AMM400 AMM1300 AMM2300	16		-
						-
		Organic	ORG500 ORG1500 ORG2500 ORG3500	22	Range H Fume hoods : H500, H501, H510, H511, H1500, H1501, H1510, H1511, H2500, H2501, H2510, H2511, H3500, H3501, H3510, H3511, PMSF1500	ORG500 ORG1500 ORG2500 ORG3500
		Corrosive	CORG501 CORG1501 CORG2501 CORG3501	23		CORG500 CORG1500 CORG2500 CORG3500
		Polyvalent ⁽¹⁾	CORG501 CORG1501 CORG2501 CORG3501	23		CORG501 CORG1501 CORG2501 CORG3501
		Formaldehyde	FOR500 FOR1500 FOR2500 FOR3500	24		-
		Ammonia	AMM500 AMM1500 AMM2500 AMM3500	24		-
						-
						-
						-
	 H 100 x L 565 x P 405 (mm)	Organic	ORG203	13	Compatible MF3-AS	ORG203
		Corrosive	CORG203	13	Compatible MF3-BE	CORG203
		Polyvalent ⁽¹⁾	CORG203	13	Compatible MF3-F	-
		Formaldehyde	FOR203	13	Compatible MF3-K	-
		Ammonia	AMM203	13	Compatible MF4-AS	ORG303
	 H 100 x L 755 x P 405 (mm)	Organic	ORG303	15	Compatible MF4-BE	CORG303
		Corrosive	CORG303	16	Compatible MF4-F	-
		Polyvalent ⁽¹⁾	CORG303	16	Compatible MF4-K	-
		Formaldehyde	FOR303	16		
		Ammonia	AMM303	16		
		Specific, contact-us.	Don't forget, we are able to provide specialised filters for specific applications for fume hoods, filtering ventilation cabinets, filtration boxes... in standard manufacturing and in specific manufacturing, contact-us for more information.			

⁽¹⁾ organic + corrosive. CORG polyvalent active coal filters can adsorb the most common chemical products used: organic and inorganic acids, organic compounds or solvents.

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

UNDER-BENCH CABINETS BY CHEMICALS STORED

For flammable products with fire resistance



Range 7.90 - Model 792
EN 14470-1 - 105 minutes

Range 7.90 - Model 791
EN 14470-1 - 105 minutes

Range 3030 - Modèle 3032E
EN 14470-1 - 30 minutes



Range 3030 - Model 3031E
EN 14470-1 - 30 minutes



Range 2 - Model SB18



Range 2 - Model SB04

For flammable products



Range 6 - Model



Range 6 - Model

For high-corrosive products



Range 8.A - Models APC31 and APC61
Range 8.B - Models APC32 and APC62



Range 4 - Model B185



Range 6 - Model AC30

For corrosive products

For toxic and noxious products



Range 3 - Model SV50



Range 14 - Model ASPD



Range 14 - Model ASP



Range 6 - Model TO30

UNDER-BENCH CABINETS BY CHEMICALS STORED

Multirisk (flammables, corrosives, toxics, noxious...)



Range 7.90M - Model 792M11



Range 3030.M - Model 3032M11



Range 14 - Model AB56



Range 6 - Model AS60



Range 6 - Model BT60



Range 6 - Model BS60



Range 6 - Model AB60



Range 6 - Model ABS90



Range 6 - Model ST60



Range 6 - Model ABST120

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STICKER REGULATIONS AND CHEMICALS INCOMPATIBILITIES

The sticker on your cans is		you must store them in a safety cabinet/compartment for	Chemicals incompatibilities				
						 Xn	 Xi
	Flammables		+	-	-	0	+
	Corrosives		-	0	-	0	0
	Toxics		-	-	+	+	0
	C.M.R products						
	Environmental hazards						
	Healthcare hazards/Irritants - Noxious	 Xn	0	-	+	+	+
		 Xi	+	0	0	+	+

+ Compatible products
- Non compatible products

0 Do not store, handle or waste together except if particular conditions are applied

REGULATIONS

FM(FACTORY MUTUAL): Offers worldwide industrial and commercial product certification and testing services through its business unit FM Approvals. Recognized and respected across the globe, FM approvals certification assures customers that a product has been objectively tested and conforms to the highest national standards. The FM certification requires a fire-resistance of 10 minutes for Safety cabinets, according to the heating curve NFPA 251-1969.



EUROPEAN NORM EN 14470-1: It is applicable for storage of flammable and highly flammable chemicals in a laboratory. The flammables used in laboratories must be stored in one or several safety cabinets which are fire resistant 15 (minimum required), 30, 60 or 90 minutes.

EN 14470-1

EUROPEAN NORM EN 14470-2: It is applicable for storage of gas cylinders in laboratories. The gas cylinders used in laboratories must be stored in one or several safety cabinets which are fire resistant 15 (minimum required), 30, 60 or 90 minutes.

EN 14470-2

NF X 15-211 - MAI 2009 NORM: The standard indicates on the ventilation and filtration efficiency, as well as the Containment efficiency for the recirculatory fume hood designed for chemicals use in laboratories.

NF X 15-211

EUROPEAN NORM EN 1869-1997: This norm indicates that a fire blankets must be able to resist to a heat 900°C done by a fresh fuel oil (such as edible soya bean oil or rapeseed oil). The electric resistance must not be below 1 Ohm.

EN 1869-1997

EUROPEAN NORM EN ISO 1182: Indicates the test for the non flammables building materials (Thermic insulation).

ISO 1182

EUROPEAN NORM EN 15154-1 AND EN 15154-2: This regulation concerns first aid equipment and especially body showers and eye-washers, connected to water network.

EN 15154-1 / 2

NT FIRE 017: Swedish standard in as per the market of cabinets to store documents and IT furnitures. 3 sorts of fire resistance : 30, 60, and 90 minutes.

NT Fire 017

EN 14470-1 & EN 14470-2 SAFETY CABINETS FOR FLAMMABLE AND EXPLOSIVE PRODUCTS, AND GAS CYLINDERS



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EN 14470-1 SAFETY CABINETS FOR FLAMMABLE AND EXPLOSIVE PRODUCTS

EN 14470-2 SAFETY CABINETS FOR GAS CYLINDERS

INTRODUCTION

For security reasons you have to store your flammable or explosive products in a safety cabinet. No matter your business branch or the degree of flammability of your products, they have to be stored in case of fire in order to delay the risk of explosion.

NORM

EN 14470-1 and 14470-2 EUROPEAN NORM:

EN 14470-1 **EN 14470-2**

Scope

EN 14470-1: The new European norm came into effect in October 2004 and concerns the storage of flammable products in laboratories. It also only concerns the safety cabinets which internal volume is equivalent or less than 1m³.

EN 14470-2: The new European norm came into effect in April 2006 and concerns the storage of gaz cylinders in laboratoires. It also only concerns the safety cabinets with total internal volume allows storage gaz cylinders in a lower capacity 220 liters.

Main requirements

1. Fire protection:

In case of fire, the safety cabinet shall assure for at least 15 minutes that the contents of the cabinet do not contribute to any additional risks or spread of fire. A fire safety storage cabinet shall be classified as one of the types listed below:

EN 14470-1 Storage of flammable liquids	EN 14470-2 Storage of gas cylinder	Fire resistance
Type 15	Type G15	15 minutes
Type 30	Type G30	30 minutes
Type 60	Type G60	60 minutes
Type 90	Type G90	90 minutes

2. Fire test:

All cabinets described in this brochure have succeeded a fire test destruction in according to EN 14770-1 (2004) or EN 14470-2 (2006) norms. These tests were conducted by an outside laboratory accredited by COFRAC.

3. Spill containment sump:

A spill containment sump shall be installed underneath the lowest storage level. The sump shall have:

- a minimum capacity of 10% of the volume of all containers stored in the cabinet,
- or at least, 110% of the volume of the largest single container, whichever is the greater.

4. Construction:

The doors of the cabinet must be fully self-closing from any position. The side and back walls must be of the same thickness and comparable construction. Requirements are given in respect of the construction of the cabinet and its capacity to resist fire conditions from the outside (Fire test given in ISO 834-1 and EN 1363-1).

5. Safety labelling and labeling:

Cabinets must be fitted with its signage: standardized pictograms in as per standard ISO 3864:

EN 14470-1: flammable materials, open flame and smoking prohibited, permissible maximum load per shelf, the largest container can be inserted into the cabinet, fire resistance model (15, 30, 60 or 90 minutes) capacity maintains closed when the cabinet door is not used ...

EN 14470-2: presence of compressed gas cylinders, fire resistance model (15, 30, 60 or 90 minutes), maintains cabinet doors closed when not in use.

6. Ventilation:

Safety Cabinets must have air inlet and outlet as well as a thermo-fuse which seals off the ventilation system in case of fire. These could be used to connect a forced ventilation system. The air change must be at least 10 times the volume of the safety cabinet (closed doors).



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Fume hoods, filtering cabinets - Ventilation

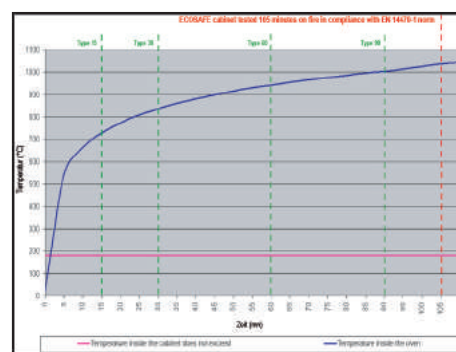
Containment and Cans

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Showers and first-aid equipments



^795BG cabinet placed into the oven to fire test according to EN 14470-2 norm (photography before test).



^ISO 834-1 fire test curve



^Sensors in a flammable cabinet

CHOOSE YOUR SAFETY CABINET ACCORDING TO YOUR ACTIVITY AND TO THE LEVEL OF PROTECTION YOU NEED

FLASH POINT ⁽¹⁾	DEGREE OF FLAMMABILITY	EXAMPLE OF PRODUCTS	RECOMMENDED SAFETY CABINETS	
			In Industries ⁽²⁾	In laboratoires
HIGHER THAN 55°C	LITTLE FLAMMABLE	FUEL, GAS OIL	RANGE 3030, 1, 2	RANGE 3030
BETWEEN 21°C AND 55°C	FLAMMABLE	OIL OF TURPENTINE, WHITE SPIRIT	RANGE 3030, 1, 2, 3	RANGE 3030
BETWEEN 0°C AND 21°C	EASILY FLAMMABLE	ETHANOL, METHANOL	RANGE 7.60, 2, 5	RANGE 7.60
UNDER 0°C	EXTREMELY FLAMMABLE	ACETONE, ETHER	RANGE 7.90	RANGE 7.90
Gas cylinders model B2, B5, B11, B20 et B50			RANGE 7.90BG	RANGE 7.90BG

⁽¹⁾ Flash point: Lowest temperature at which a liquid could form gas/air mixtures, able to burn with an ignition source.

⁽²⁾ Please check our brochure Safety cabinets for flammables.

IN THIS PART OF THE CATALOG YOU WILL FIND:

EN 14470-1 Safety cabinets - 105 minutes	EN 14470-1	Range 7.90
EN 14470-1 Multirisk cabinets - 105 minutes	EN 14470-1	Range 7.90M
EN 14470-1 Safety cabinets - 60 minutes	EN 14470-1	Range 7.60
EN 14470-1 Safety cabinets - 30 minutes et 15 minutes	EN 14470-1	Range 3030
EN 14470-1 Multirisk cabinets - 30 minutes	EN 14470-1	Range 3030.M
Safety cabinets for gaz cylinders	EN 14470-2	Range 7.90BG
EN 14470-1 Safety cabinets for recovery waste - 105 minutes	EN 14470-1	Range 7.90ARD

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RANGE 7.90

EN 14470-1 EN 1363-1

EN 14470-1 SAFETY CABINETS TYPE 105 MIN FOR FLAMMABLES PRODUCTS



CERTIFICATION

- Tested and approved according to EN 14470-1 (04/2004) and EN 1363-1 (06/2000).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04/2004) norms, and 92/58/CEE european directive.

ADVANTAGES

- Fire resistance during 105 minutes (approved Type 90) in as per ISO 834 fire heating curve.
- Tested and approved by an independent European laboratory.

PASSIVE SECURITY

- Double wall construction :
 - Outer housing made of sheet steel (12/10th) with high quality epoxy coating RAL 9010.
 - Inner body built in white (RAL 9010) melamine-based wood.
- Thermal insulation panel between the walls avoiding thermal bridges.
- Removable bottom containment sump.
- Safety labellings as per EN 14470-1.
- Adjustable containment shelves.
- Earthing link.

ACTIVE SECURITY

- Ø100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- In case of fire, a thermo-fuse automatically seals off the ventilation system.
- Thermo-expanding seals of the door(s) allow keeping the internal body fireproof.
- Separately locking door(s) with cylinder locks.
- Self-closing door(s) with possibility to keep the door(s) open. If the temperature rises to 50°C, a fuse link closes the door(s) automatically.

OPTIONS

- Doors with different color possibility for 794 and 795 models:
 - frame and shelves in white (RAL 9010); **doors in yellow (RAL1023)**

Cooling system

To increase the security of your cabinet and control the temperature inside, we propose you a cooling system. Ask-us for more information.



EN 14470-1 **EN 1363-1**



Flammable
cabinets

Corrosive
cabinets

Toxic cabinets and multirisk

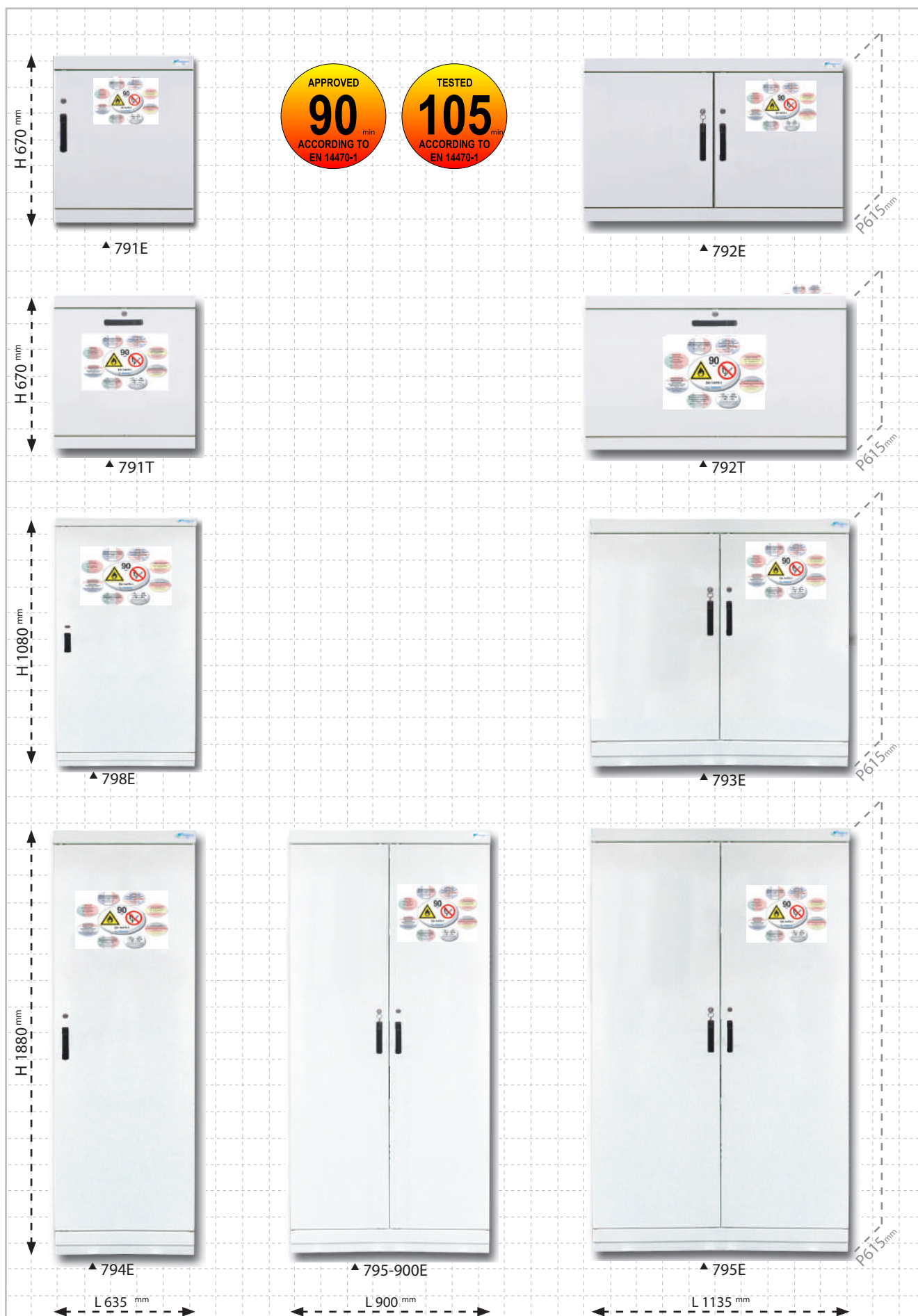
Pesticide
range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

anti-fire equipments
and File cabinets

Showers and first-aid equipments



The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations.

N.B.: In compliance with the EN 14470-1 norm and for the extraction of toxic vapours generated inside your cabinet, an **exhausting system is required.** In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

RANGE 7.90

EN 14470-1 EN 1363-1



798E▲



793E▲



N.B. : In compliance with the EN14470-1 norm and for the extraction of toxic vapours generated inside your cabinet , an exhausting system is required. In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

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RANGE 7.90
EN 14470-1 EN 1363-1

794EJ[▲]

795EJ[▲]

CABINETS WITH EQUIPMENTS

Door's reference		Description	Type	Number of door(s)	Outside dimensions H x W x D (mm)	Storage capacity (L)	Delivered with		Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
							Containment	Containment sump		
white	yellow									
791E	-	Cabinet equipped	under-bench	1	670 x 635 x 615	30	1	1	30	127
791T	-	Cabinet equipped	under-bench	1	670 x 635 x 615	30	-	1	30	155
792E	-	Cabinet equipped	under-bench	2	670 x 1135 x 615	60	1	1	50	213
792T	-	Cabinet equipped	under-bench	2	670 x 1135 x 615	60	-	1	50	240
798E	-	Cabinet equipped	working cover	1	1080 x 635 x 615	65	2	1	30	182
793E	-	Cabinet equipped	working cover	2	1080 x 1135 x 615	115	2	1	50	297
794E	794EJ	Cabinet equipped	tall	1	1880 x 635 x 615	130	3	1	30	287
795E	795EJ	Cabinet equipped	tall	2	1880 x 1135 x 615	250	3	1	50	453
795-900E	-	Cabinet equipped	tall	2	1880 x 900 x 615	200	3	1	40	438

⁽¹⁾ Evenly distributed

CABINETS WITHOUT EQUIPMENTS AND ACCESSORIES

P/N	Description	Type	Number of door(s)	Outside dimensions H x W x D (mm)	Inside dimensions H x W x D (mm)	Weight (kg)
791	Cabinet without equipment	under-bench	1	670 x 635 x 615	460 x 490 x 380	122
792	Cabinet without equipment	under-bench	2	670 x 1135 x 615	460 x 1000 x 380	203
798	Cabinet without equipment	working cover	1	1080 x 635 x 615	820 x 490 x 410	171
793	Cabinet without equipment	working cover	2	1080 x 1135 x 615	820 x 1000 x 410	277
794	Cabinet without equipment	tall	1	1880 x 635 x 615	1620 x 490 x 410	277
795	Cabinet without equipment	tall	2	1880 x 1135 x 615	1620 x 1000 x 410	435
795-900	Cabinet without equipment	tall	2	1880 x 900 x 615	1620 x 765 x 410	420
E79148	Containment shelf for 1 door cabinet - W: 635 - D: 615 mm			30 x 490 x 410	-	3
E79235	Containment shelf for 2 doors cabinet - W: 1135 - D: 615 mm			30 x 1000 x 410	-	6
E79235-900	Containment shelf for 2 doors cabinet - W: 900 - D: 615 mm			30 x 765 x 410	-	6
B79148	Containment sump for 1 door cabinet - W: 635 - D: 615 mm			100 x 490 x 410	-	5
B79235	Containment sump for 2 doors cabinet - W: 1135 - D: 615 mm			100 x 1000 x 410	-	10
B79235-900	Containment sump for 2 doors cabinet - W: 900 - D: 615 mm			100 x 765 x 410	-	10
C79148	Perforated cover plate for 1 door cabinet - W: 635 - D: 615 mm			90 x 460 x 390	-	4
C79235	Perforated cover plate for 2 doors cabinet - W: 1135 - D: 615 mm			90 x 990 x 400	-	8
C79235-900	Perforated cover plate for 2 doors cabinet - W: 900 - D: 615 mm			90 x 755 x 400	-	8
C791T	Perforated cover plate for 1 door drawer cabinet			80 x 430 x 390	-	8
C792T	Perforated cover plate for 1 door drawer cabinet			80 x 940 x 390	-	8
T79148	Self retracting shelf for 1 door cabinet - W: 635 mm - D: 615 mm			80 x 420 x 380	-	6
T79235	Self retracting shelf for 2 doors cabinet - W: 1135 mm - D: 615 mm			80 x 930 x 380	-	12
SE79148	PVC containment shelf for E79148 (for E79235 model, 2 pieces by level are			30 x 488 x 377	-	3
SB79148	PVC Containment sump for 1 door cabinet in W: 615 mm. For 2 doors models in W: 1135, 2 pieces by level are required).			100 x 471 x 409	-	5
TP79148	Sloping roof for cabinet 1 door cabinet			235 x 640 x 620	-	10
TP79235	Sloping roof for cabinet 2 doors cabinet			235 x 1140 x 620	-	20

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 08/2015

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE 7.90M

EN 14470-1 EN 1363-1



EN 14470-1 MULTIRISK CABINETS – 105 MINUTES



Containment shelf



Key locking System



Vent with Thermo-fuse



Self-closing door(s) with thermo-fuse



Standardized labeling



Removable base Trough



▲ 795M22 + 1x E79148

CERTIFICATION

- Tested and approved according to EN 14470-1 (04/2004) and EN 1363-1 (06/2000).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04/2004) norms, and 92/58/CEE european directive.

ADVANTAGES

- Fire resistance during 90 minutes (approved Type 90) in as per ISO 834 fire heating curve.
- Tested and approved by an independent European laboratory.
- Possibility to separate the dangerous products families.

PASSIVE SECURITY

- Double wall construction :
 - Outer housing made of sheet steel (12/10th) with high quality Epoxy coating RAL 9010.
 - Inner body built in white (RAL 9010) melamine-based wood.
- Thermal insulation panel between the walls avoiding thermal bridges.
- Removable bottom containment sump.
- Safety labellings as per EN 14470-1.

- Adjustable containment shelves.
- Earthing link.

ACTIVE SECURITY

- Ø 100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- In case of fire, a thermo-fuse automatically seals off the ventilation system.
- Thermo-expanding seals of the door(s) allow keeping the internal body fireproof.
- Separately locking door(s) with cylinder locks.
- Self-closing door(s) with possibility to keep the door(s) open. If the temperature rises to 50°C, a fuse link closes the door(s) automatically.

OPTIONS

- Doors with different color possibilities on 794Mx and 795Mxx models (see documentation for Range 7.90) :
 - frame and shelves in white (RAL 9010); **doors in yellow (RAL1023)**



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RANGE 7.90M

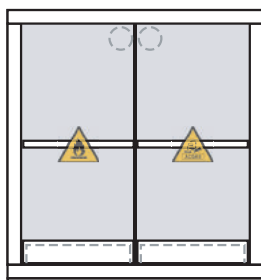
EN 14470-1 EN 1363-1



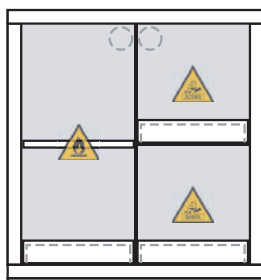
Vertical/horizontal division
Containment shelf
Containment sump
Containment sump with perforated cover plate



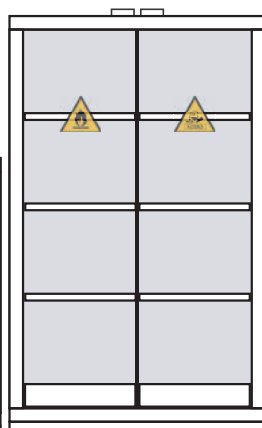
792M11



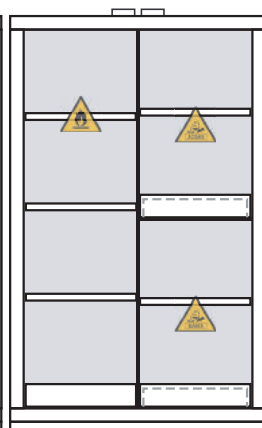
793M11



793M12



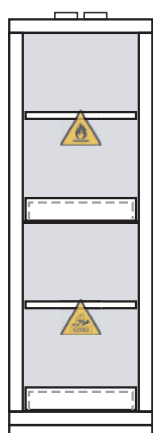
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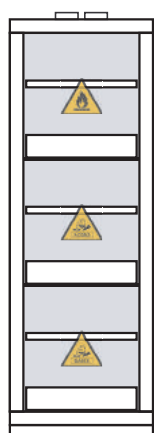
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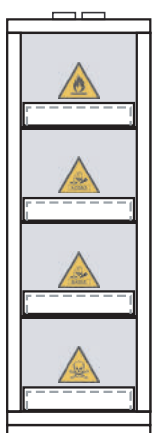
798M2



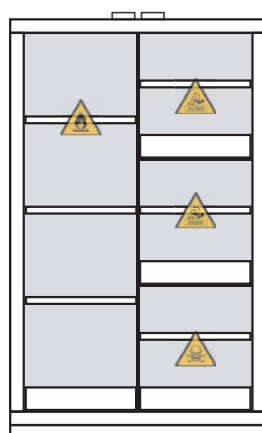
794M2



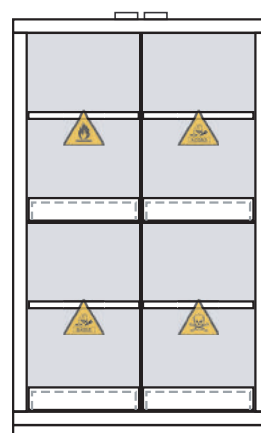
794M3



794M4



795M13



795M22

CABINETS WITH EQUIPMENTS

P/N	Description	Compartment type and storage capacity (L) ⁽¹⁾				H x W x D (mm)	Delivered with			Maximum load by shelf ⁽²⁾ (kg)	Weight (kg)
							Containment shelf	Containment sump	Perforated cover plate		
792M11	Under-bench cabinet, two doors, with 2 compartments	28	28	-	-	670 x 1135 x 615	2	2	option	30	221
793M11	Working cover cabinet, two doors, 2 compartments	55	55	-	-	1080 x 1135 x 615	2	2	2	30	311
793M12	Working cover cabinet, two doors, 3 compartments	55	28	28	-	1080 x 1135 x 615	1	3	3	30	317
798M2	Working cover cabinet, one door, 2 compartments	28	28	-	-	1080 x 635 x 615	-	2	2	30	194
794M2	Tall cabinet, one door, with 2 compartments	55	55	-	-	1880 x 635 x 615	2	2	2	30	304
794M3	Tall cabinet, one door, with 2 compartments	30	30	30	-	1880 x 635 x 615	3	3	option	30	307
794M4	Tall cabinet, one door, with 4 compartments	22	22	22	22	1880 x 635 x 615	-	4	4	30	320
795M11	Tall cabinet, two doors, with 2 compartments	120	120	-	-	1880 x 1135 x 615	6	2	option	30	477
795M12	Tall cabinet, two doors, with 3 compartments	120	55	55	-	1880 x 1135 x 615	5	3	2	30	486
795M13	Tall cabinet, two doors, with 4 compartments	120	28	28	28	1880 x 1135 x 615	6	4	option	30	489
795M22	Tall cabinet, two doors, with 4 compartments	55	55	55	55	1880 x 1135 x 615	4	4	4	30	497

⁽¹⁾ Compartments customization on request ⁽²⁾ Evenly distributed

ACCESSORIES

P/N	Description	Dimensions H x W x D (mm)	Weight (kg)
E79148	Containment shelf for 792M11, 793M1x, 798M2, 794Mx, 795Mxx cabinets	30 x 490 x 410	3
B79148	Containment sump for 792M11, 793M1x, 798M2, 794Mx, 795Mxx cabinets	100 x 490 x 410	5
C79148	Perforated cover plate for 792M11, 793M1x, 798M2, 794Mx, 795Mxx cabinets	90 x 460 x 390	5
T79148	Self retracting shelf for 792M11, 793M1x, 798M2, 794Mx, 795Mxx cabinets	80 x 420 x 380	6
SE79148	PVC containment shelf for E79148 shelf for 792M11, 793M1x, 798M2, 794Mx, 795Mxx cabinets	30 x 485 x 405	2
SB79148	PVC containment sump for 792M11, 793M1x, 798M2, 794Mx, 795Mxx cabinets	100 x 485 x 405	3

N.B. : In compliance with the EN14470-1 norm and for the extraction of toxic vapours generated inside your cabinet , an exhausting system is required. In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments



- Doors with different color possibilities on 764 and 765 models (see documentation for Range 7.90):
 - frame and shelves in white (RAL 9010); doors in yellow (RAL1023)

RANGE 7.60

EN 14470-1 EN 1363-1



761E



761T



762E



762T



768E



763E



764E



765-900E



765E

CABINETS WITH EQUIPMENTS

Door's reference		Description	Type	Number of door(s)	Outside dimensions H x W x D (mm)	Storage capacity (L)	Delivered with		Maximum load by shelf ⁽²⁾ (kg)	Weight (kg)
white	yellow						Containment	Containment sump		
761E	-	Cabinet equipped	under-bench	1	670 x 635 x 615	30	1	1	30	127
761T	-	Cabinet equipped	under-bench	1	670 x 635 x 615	30	-	1	30	155
762E	-	Cabinet equipped	under-bench	2	670 x 1135 x 615	60	1	1	50	213
762T	-	Cabinet equipped	under-bench	2	670 x 1135 x 615	60	-	1	50	240
768E	-	Cabinet equipped	working cover	1	1080 x 635 x 615	65	2	1	30	182
763E	-	Cabinet equipped	working cover	2	1080 x 1135 x 615	115	2	1	50	297
764E	764EJ	Cabinet equipped	tall	1	1880 x 635 x 615	130	3	1	30	287
765E	765EJ	Cabinet equipped	tall	2	1880 x 1135 x 615	250	3	1	50	453
765-900E	-	Cabinet equipped	tall	2	1880 x 900 x 615	200	3	1	40	438

CABINETS WITHOUT EQUIPMENTS AND ACCESSORIES

P/N	Description	Type	Number of door(s)	Outside dimensions H x W x D (mm)	Inside dimensions H x W x D (mm)	Weight (kg)
761	Cabinet without equipment	under-bench	1	670 x 635 x 615	460 x 490 x 380	122
762	Cabinet without equipment	under-bench	2	670 x 1135 x 615	460 x 1000 x 380	203
768	Cabinet without equipment	working cover	1	1080 x 635 x 615	820 x 490 x 410	171
763	Cabinet without equipment	working cover	2	1080 x 1135 x 615	820 x 1000 x 410	277
764	Cabinet without equipment	tall	1	1880 x 635 x 615	1620 x 490 x 410	277
765	Cabinet without equipment	tall	2	1880 x 1135 x 615	1620 x 1000 x 410	435
765-900	Cabinet without equipment	tall	2	1880 x 900 x 615	1620 x 765 x 410	420
E76148	Containment shelf for 1 door cabinet - W: 635 - D: 615 mm			30 x 490 x 410	-	3
E76235	Containment shelf for 2 doors cabinet - W: 1135 - D: 615 mm			30 x 1000 x 410	-	6
E76235-900	Containment shelf for 2 doors cabinet - W: 900 - D: 615 mm			30 x 765 x 410	-	6
B76148	Containment sump for 1 door cabinet - W: 635 - D: 615 mm			100 x 490 x 410	-	5
B76235	Containment sump for 2 doors cabinet - W: 1135 - D: 615 mm			100 x 1000 x 410	-	10
B76235-900	Containment sump for 2 doors cabinet - W: 900 - D: 615 mm			100 x 765 x 410	-	10
C76148	Perforated cover plate for 1 door cabinet - W: 635 - D: 615 mm			90 x 460 x 390	-	4
C76235	Perforated cover plate for 2 doors cabinet - W: 1135 - D: 615 mm			90 x 990 x 400	-	8
C76235-900	Perforated cover plate for 2 doors cabinet - W: 900 - D: 615 mm			90 x 755 x 400	-	8
C761T	Perforated cover plate for 1 door drawer cabinet			80 x 430 x 390	-	8
C762T	Perforated cover plate for 1 door drawer cabinet			80 x 940 x 390	-	8
T76148	Self retracting shelf for 1 door cabinet - W: 635 mm - D: 615 mm			80 x 420 x 380	-	6
T76235	Self retracting shelf for 2 doors cabinet - W: 1135 mm - D: 615 mm			80 x 930 x 380	-	12
SE76148	PVC containment shelf for E76148 (for E76235 model, 2 pieces by level are required)			30 x 488 x 377	-	3
SB76148	PVC containment sump for 1 door cabinet in W: 615 mm. For 2 doors models in W: 1135, 2 pieces by level are required).			100 x 471 x 409	-	5
TP76148	Sloping roof for cabinet 1 door cabinet			235 x 640 x 620	-	10
TP76235	Sloping roof for cabinet 2 doors cabinet			235 x 1140 x 620	-	20

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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE 3030**EN** 14470-1 **FM** 6050

EN 14470-1 & FM⁽¹⁾ SAFETY CABINETS TYPE 30-MINUTES for flammables



Standardized labeling



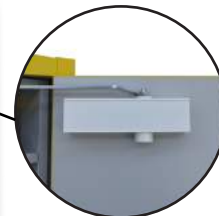
Adjustable shelf



Pedestal area under-driveable



^ 3035E



Self-closing doors with thermo-fuse



Perforated cover plate for base trough (option)



Adjustable leveling legs

CERTIFICATION

- Tested and approved Type 30 according to EN 14470-1 (04-2004) and EN 1363-1 (06-2000).
- ⁽¹⁾Tested and approved Type 10 minutes according to FM 6050 (Factory Mutual international).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04-2004) norms, 92/58/CEE european directive and FM regulations.

ADVANTAGES

- 30-minute fire resistance according to ISO 834 fire heating curve.
- Pedestal area under-driveable by a forklift by removing panel (except for the under-bench models).
- Self-closing doors with possibility to keep the door(s) open. If the temperature rises to 43°C, a fuse link closes the door(s) automatically.

PASSIVE SECURITY

- Built in melamine : overall good chemical resistance.
- Grey structure (RAL 7035), yellow edges (RAL 1023).
- Safety labelling as per EN 14470-1.
- Containment shelves adjustable in height (step every 32 mm).

- Removable bottom containment sump.

ACTIVE SECURITY

- Ø100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- Self-closing doors.
- Doors with a lockable three-point latching mechanism.
- Non-sparking locking system.
- Adjustable leveling feet for enhance stability.

OPTIONS

- Additional containment shelf.
- Perforated cover plate for containment sump.
- Self retracting shelf.
- PVC containment shelf and containment sump.
- Easy connection with an exhaust system or a filtration box.
- Industrial absorbing mat (P/N: JF10D).

RANGE 3030

EN 14470-1 FM 6050



Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments



CABINETS WITH EQUIPMENTS

P/N	Description	Outside dimensions H x W x D (mm)	Storage capacity (L)	Delivered with			Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
				Steel retention shelf	Steel containment sump	Steel perforated cover plate		
3031E	Under-bench equipped cabinet, one door	635x605x630	30	-	1	1	30	64
3032E	Under-bench equipped cabinet, two doors	635x1115x630	60	-	1	1	50	108
3034E	Tall equipped cabinet, one door	1980x605x550	130	3	1	option	30	117
3035E	Tall equipped cabinet, two doors	1980x1115x550	250	3	1	option	50	210
3033UE	Working cover equipped cabinet, one door	1198x1092x537	113	1	1	option	50	170
3035UE	Tall equipped cabinet, two doors	1731X1092X457	170	2	1	option	50	210
3036UE	Tall equipped cabinet, two doors	1731X864X864	228	2	1	option	50	210

⁽¹⁾ Evenly distributed

CABINETS WITHOUT EQUIPMENTS - CABINETS ACCESSORIES

P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	Capacité de rétention (L)	Weight (kg)
3031	Under-bench cabinet, one door, without equipment	635 x 605 x 630	366 x 491 x 419	-	55
3032	Under-bench cabinet, two doors, without equipment	635 x 1115 x 630	366 x 1001 x 419	-	90
3034	Tall cabinet, one door, without equipment	1980 x 605 x 550	1581 x 491 x 419	-	99
3035	Tall cabinet, two doors, without equipment	1980 x 1115 x 550	1581 x 1001 x 419	-	190
3033U	Working cover cabinet, two doors, without equipment	1198 x 1092 x 537	799 x 978 x 325	-	150
3035U	Tall cabinet, two doors, without equipment	1731 x 1092 x 457	1332 x 978 x 325	-	99
3036U	Tall cabinet, two doors, without equipment	1731 x 864 x 864	1332 x 750 x 733	-	190
E703148	Containment shelf for 3034	30 x 490 x 410	-	6	3
E703235	Containment shelf for 3035	30 x 990 x 410	-	12	6
E30335U	Containment shelf for 3033U et 3035U	30 x 975 x 317	-	9	4,5
E3036U	Containment shelf for pour 3036U	30 x 747 x 724	-	16	8
B703148	Containment sump for 3031 - 3034	100 x 490 x 410	-	20	5
B703235	Containment sump for 3032 - 3035	100 x 990 x 410	-	41	10
B30335U	Containment sump for 3033U and 3035U	100 x 965 x 317	-	30	8
B3036U	Containment sump for 3036U	100 x 737 x 724	-	53	14
C703148	Perforated cover plate for 3031 - 3034	90 x 460 x 390	-	-	4
C703235	Perforated cover plate for 3032 - 3035	90 x 980 x 400	-	-	8
T703148	Self retracting shelf for 3031 - 3034	80 x 420 x 380	-	12	6
T703235	Self retracting shelf for 3032 - 3035	80 x 930 x 380	-	28	12
SE703148	PVC containment shelf for E703148; for E703235 model, 2 pieces by	30 x 475 x 405	-	5	3
SB703148	PVC Containment sump for 3031 - 3034; for 3032 - 3035, 2 pieces by level are required).	100 x 475 x 405	-	19	4

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2015

RANGE 3030.M

EN 14470-1 FM 6050



EN 14470-1 & FM⁽¹⁾ MULTIRISK CABINETS TYPE 30-MINUTES



Standardized labeling



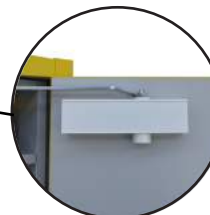
Adjustable shelf



Pedestal area under-driveable



3035M22⁺



Self-closing doors with thermo-fuse



Perforated cover plate for base trough (option)



Adjustable leveling legs



CERTIFICATION

- Tested and approved Type 30 according to EN 14470-1 (04-2004) and EN 1363-1 (06-2000).
- ⁽¹⁾Tested and approved Type 10 minutes according to FM 6050 (Factory Mutual international).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04-2004) norms, 92/58/CEE european directive and FM regulations.

ADVANTAGES

- 30-minute fire resistance according to ISO 834 fire heating curve.
- Pedestal area under-driveable by a forklift by removing panel (except for the under-bench models).
- Self-closing doors with possibility to keep the door(s) open. If the temperature rises to 43°C, a fuse link closes the door(s) automatically.
- Many models are available.
- Suitable for all types of chemicals commonly used in laboratories and industries.
- Possibility to separate the dangerous products families.

PASSIVE SECURITY

- Built in melamine: corrosion proof and overall good chemical resistance.

- Grey structure (RAL 7035), yellow edges (RAL 1023).
- Safety labelling as per EN 14470-1.
- Containment shelves adjustable in height (step every 32 mm).
- Removable bottom containment sump.

ACTIVE SECURITY

- Ø 100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- Self-closing doors.
- Doors with a lockable three-point latching mechanism.
- Non-sparking locking system.
- Adjustable leveling feet for enhance stability.

OPTIONS

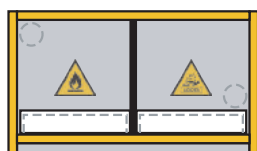
- Additional retention shelf (depending on model).
- Perforated cover plate for containment sump.
- Self retracting shelf.
- PVC containment shelf and containment sump.
- Easy connection with an exhaust system or a filtration box.
- Industrial absorbing mat (P/N: JF10D).

RANGE 3030.M

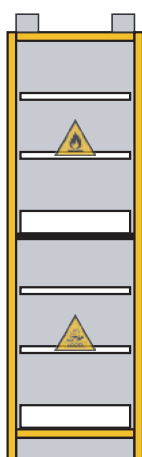
EN 14470-1 FM 6050



- Vertical/horizontal division
- Containment sump
- Containment shelf
- Containment sump with perforated cover plate



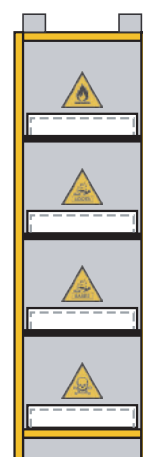
3032M11



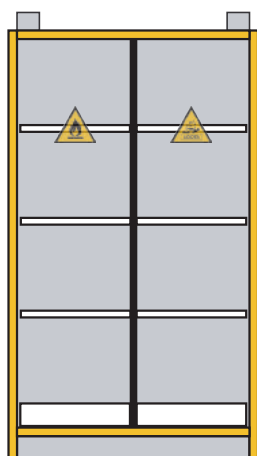
3034M2



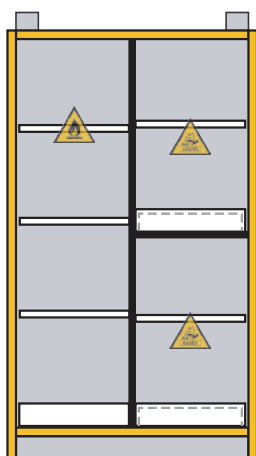
3034M3



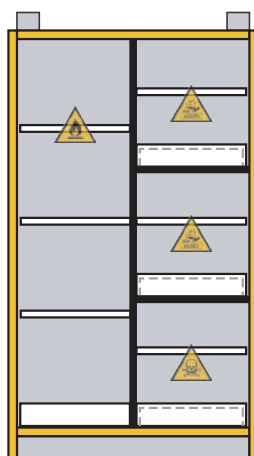
3034M4



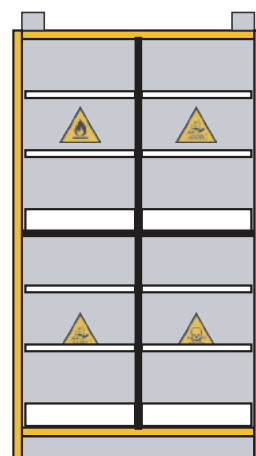
3035M11



3035M12



3035M13



3035M22

CABINET WITH EQUIPMENTS

P/N	Description	Compartment type and storage capacity (L) ⁽¹⁾				Outside dim. H x W x D (mm)	Delivered with			Maximum load by shelf ⁽²⁾ (kg)	Weight (kg)
							Steel retention shelf	Steel containment slump	Steel perforated cover plate		
3032M11	Under-bench cabinet, 2 doors, 2 compartments	28	28	-	-	635 x 1115 x 630	-	2	2	30	108
3034M2	Tall cabinet, 1 door, 2 compartments	55	55	-	-	1980 x 605 x 550	4	2	option	30	126
3034M3	Tall cabinet, 1 door, 3 compartments	30	30	30	-	1980 x 605 x 550	3	3	option	30	129
3034M4	Tall cabinet, 1 door, 4 compartments	22	22	22	22	1980 x 605 x 550	-	4	4	30	142
3035M11	Tall cabinet, 2 doors, 2 compartments	120	120	-	-	1980 x 1115 x 550	6	2	option	30	232
3035M12	Tall cabinet, 2 doors, 3 compartments	120	55	-	55	1980 x 1115 x 550	7	3	option	30	241
3035M13	Tall cabinet, 2 doors, 4 compartments	120	28	28	28	1980 x 1115 x 550	6	4	option	30	244
3035M22	Tall cabinet, 2 doors, 4 compartments	55	55	55	55	1980 x 1115 x 550	8	4	option	30	252

⁽¹⁾ Compartments customization on request ⁽²⁾ Evenly distributed

CABINET ACCESSORIES

P/N	Description	Outside dim. H x W x D (mm)	Weight (kg)
E703148	Containment shelf in steel (except for 3032M11 model)	30 x 490 x 410	3
B703148	Steel containment sump	100 x 490 x 410	5
C703148	Perforated cover plate in steel	90 x 460 x 390	5
T703148	Self retracting shelf in steel	80 x 420 x 380	6
SE703148	PVC Containment shelf	30 x 485 x 405	2
SB703148	PVC containment sump	100 x 485 x 405	3

N.B.: In compliance with the EN 14470-1 norm and for the extraction of toxic vapours generated inside your cabinet, an exhausting system is required. In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 07/2015

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE 3030 & 7030**EN** 14470-1 **FM** 6050

EN 14470-1 & FM⁽¹⁾ UNDER-BENCH SAFETY CABINETS TYPE 30-MINUTE

- For flammables
- For corrosives

- For toxics / noxious
- For mixed chemicals



3031E ▲



3032E ▲



3032M11 ▲



CERTIFICATION

- Tested and approved Type 30 according to EN 14470-1 (04-2004) and EN 1363-1 (06-2000).
- ⁽¹⁾Tested and approved Type 10 minutes according to FM 6050 (Factory Mutual international) (except for 7031T and 7032T models).
- Standardized labeling according to ISO 3864 and EN 14470-1 (04-2004) norms, 92/58/CEE european directive and FM regulations.

ADVANTAGES

- 30-minute fire resistance as per ISO 834 fire heating curve.
- Suitable for all types of chemicals commonly used in laboratories and industries.
- Dual vents with built-in flame arresters.

PASSIVE SECURITY

- Built in melamine: corrosion proof and overall good chemical resistance.
- Grey structure (RAL 7035), yellow edges (RAL 1023).
- Safety labelling as per EN 14470-1.
- Removable bottom containment sump with perforated cover plate.

ACTIVE SECURITY

- Ø 100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- Self-closing doors.
- Doors with a lockable three-point latching mechanism (one-point bullet self-latching system for drawer chest cabinets).
- Non-sparking locking system (except for drawer chest cabinets).
- Adjustable leveling feet for enhance stability.

OPTIONS

- Self retracting shelf.
- PVC containment sump, **highly recommended for corrosives**.
- Easy connection with an exhaust system or a filtration box.
- Industrial absorbing mat (P/N: JF10D).



For safety reasons, refrain storing different chemical families in the same compartment.

RANGE 3030 & 7030

EN 14470-1 FM 6050



7031T ▲



7032T ▲

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

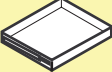
Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

					
P/N	3031E	7031T	3032E	7032T	3032M11
Door(s)	1	1	2	1	2
Door type	Swing door	Drawer	Swing doors	Drawer	Swing doors
Compartment	1	1	1	1	2
Dimensions H x W x D (mm)	Ext. : 635 x 605 x 630 Int. : 366 x 491 x 475	Ext. : 635 x 605 x 630 Int. : 366 x 491 x 475	Ext. : 635 x 1115 x 630 Int. : 366 x 1001 x 475	Ext. : 635 x 1115 x 630 Int. : 366 x 1001 x 475	Ext. : 635 x 1115 x 630 Int. : (2x) 366 x 472 x 475
Storage capacity (L) 	30	30	60	60	56 (2x 28)
For safety reasons, refrain storing different chemical families in the same compartment.					
Containment capacity (L)	17	20	35	41	34 (2x17)
Steel containment sump	1	1	1	1	2
Perforated cover plate in steel	1	-	1	-	2
Maximum load by shelf ⁽¹⁾ (kg)	30	30	50	50	60 (2x 30)
Certification	EN 14470-1 FM 6050	EN 14470-1	EN 14470-1 FM 6050	EN 14470-1	EN 14470-1 FM 6050
Weight (kg)	64	64	108	108	108

			
P/N	T703148	T703235	SB703148
Description	Self retracting shelves in steel	Self retracting shelves in steel	PVC Containment sump
For cabinet	3031E, 3032M11	3032E	3031E, 3032E ⁽²⁾ , 3032M11
Dimensions H x W x D (mm)	80 x 420 x 380	80 x 930 x 380	100 x 475 x 405
Containment capacity (L)	20	41	24
Weight (kg)	6	12	4



⁽¹⁾ Evenly distributed ⁽²⁾ 2 trays per level required for complete coverage

N.B.: In compliance with the EN 14470-1 norm and for the extraction of toxic vapours generated inside your cabinet, or if you store corrosive products, an **exhausting system is required**. In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

RANGE 7.90BG

EN 14470-2 EN 1363-1



SAFETY CABINETS FOR GAS CYLINDERS

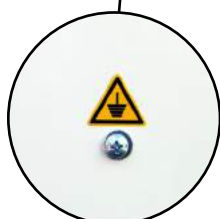
Ventilation system
with thermo-fuse



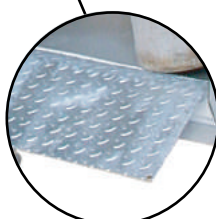
Mounting rails
(optional)



Standardized
labeling



Earthing link.



Ramp (optional)



Locking door

^ 795BG
+ RH795BG
+ RA795BG



CERTIFICATION

- Tested and approved according to EN 14470-2 (04/2006) and EN 1363-1 (06/2000).
- Normalized labelling according to ISO 3864, and EN 14470-2 norms, and 92/58/CEE european directive.

ADVANTAGES

- Tested and approved with ISO 834 fire heating curve by an independent European laboratory.

PASSIVE SECURITY

- Double Wall construction:
 - Outer housing made of sheet steel.
 - Inner body built in melamine-based wood.
- Thermal insulation panel between the walls avoiding thermal bridges.
- Epoxy white RAL 9010.
- Normalized labelling.
- Earthing link.

ACTIVE SECURITY

- Ø 100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- Thermo-expanding seals of the door allow keeping the internal body fireproof.
- In case of fire, a thermo-fuse automatically seals off the ventilation system.



▲ 794BG



All models are delivered without interior equipment. They have, therefore, to be equipped with rails for supporting the gas cylinders, and access ramp...

To protect the users health and to improve the life cycle of your safety cabinet, we recommend to install an exhausting system. Do not hesitate to contact us for more information.



Cooling system

To increase the security of your cabinet and control the temperature inside, we propose you a cooling system. Ask us for more information.



P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	B50 cylinder storage capacity	Recommended equipment	Weight (kg)
794BG	Tall cabinet 1 door	2075 x 705 x 615	1855 x 565 x 410	2	1	300
RH794BG	Horizontal rail for mounting 2 cylinders B50	-	-	-	1	2
795BG	Tall cabinet 2 doors	2075 x 1260 x 615	1855 x 1120 x 410	4	1	410
RH795BG	Horizontal rail for mounting 4 cylinders B50	-	-	-	1	3
RA794BG	Ramp for 794BG or 795BG	-	-	-	1	10

RANGE 7.90ARD**EN 14470-1 EN 1363-1**

EN 14470-1 SAFETY CABINETS FOR RECOVERY OF WASTE - TYPE 90 MINUTES



791ARD *
(draining board
not included)



EN 14470-1 UNDER-BENCH CABINETS - TYPE 90 MINUTES

CERTIFICATION

- Tested and approved according to EN 14470-1 (04/2004) and EN 1363-1 (06/2000).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04/2004) norms, and 92/58/CEE european directive.

ADVANTAGES

- 90-minute fire resistance according to ISO 834 fire heating curve.
- Tested and approved by an independent European laboratory.

PASSIVE SECURITY

- Wall building with double layers :
 - building's outer walls and doors are of sheet of steel (12/10th) with high quality epoxy coating RAL 9010;
 - Inner body built in melamine-based wood.
- Removable retention tank located at the bottom of the cabinets.
- Safety labellings with standardized labels.
- Earthing link.

ACTIVE SECURITY

- Ø 100 mm air inlet and outlet ducts for whether natural ventilation or connection with forced ventilation/filtration system.
- Ventilation pipes, equipped with expandable seals.
- Self-closing door(s) with possibility to keep the door(s) open.
- Self-closing device of the door(s) at 50°C.

RECOVERY OF WASTE SYSTEM

- Drilling located on the roof of the cabinet for the evacuation pipe, including a thermo-expandable system to protect contents in the cabinet against fire. This drilling could change the fire resistance.
- Funnel, made of black HDPE, is equipped with grating, which allows to get back liquid wastes.
- Can is made of white HDPE - 12 litres.
- An electronic level sensor is fixed with a velcro strip on the can or on the cabinet.
- A visual and sound system alarm can be installed on sides of the cabinet.

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Base trough	W. (kg)
791ARD	Under-bench cabinet for recovery of waste - One door	670 x 635 x 615	460 x 490 x 380	1	160
792ARD	Under-bench cabinet for recovery of waste - Two doors	670 x 1135 x 615	460 x 1000 x 380	1	230

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

27

SAFETY CABINETS FOR FLAMMABLE AND EXPLOSIVE PRODUCTS





SAFETY CABINETS FOR FLAMMABLES

GENERAL RULES:

For obvious and safety reason (fires, explosions, corrosions, intoxications,...) all dangerous chemicals have to be handled and stored with great precaution. This brochure will provide you with storage solutions for you flammables, according to your security needs. No matter what your activity area is (e.g workshop, laboratory, store-room, manufacturing premises, industrial hall,...), the products can be very flammable or them highly flammable, you must always store your chemicals safely. Do not hesitate to contact us for any personal advice.

In this catalog you will find adapted storage solutions for you flammable products according to you security constraints.. No matter your business branch (workshop, laboratory, warehouse, manufacture ...) or the degree or flammability of your products, they have to be safety stored.

Feel free to call us for a fast and personalized advice.

What is a Safety cabinet for flammable ?

Safety cabinets for flammable protect chemicals (by extension also human beings, animals and personal belongings) from fire risks or unusual heating sources. The fire protection is assured by keeping the flammables into the cabinet. This is done by various means: automatic doors closing (available on some of our models) and / or thermo-expanding seals of the doors allowing to isolate the internal body or also the availability of thermo-fuses which automatically seal off the ventilation system (EN 14470). Some models are also equipped with fire-extinguisher unit within the cabinet, thus preventing fire to break out in the Safety cabinet.

NORMS AND REGULATION

European Norm EN 14470-1 AND EN 14470-2

It is applicable for storage of flammables in laboratories and highly flammable chemicals. The flammables used in laboratories must be stored in one or several safety cabinets which are fire-resistant for 15, 30, 60 or 90 minutes (please refer to our catalogue « EN-14470 » : Safety cabinets tested and certified EN 14470-1 or 14470-2).

EN 14470-1

FM (FACTORY MUTUAL) :

Offers worldwide industrial and commercial product certification and testing services through its business unit FM Approvals. Recognized and respected across the worldwide, FM Approvals certification assures customers that a product or service has been objectively tested and conforms to the highest national and international standards. The certification FM requires a fire-resistance of 10 minutes for Safety cabinets, according to the heat curve NFPA 251-1969



EN ISO 1182:

The insulation must be heat-proof and non-flammable

NF EN ISO 1182

CHOOSE YOUR SAFETY CABINET ACCORDING TO YOUR ACTIVITY AND TO THE DEGREE OF FLAMMABILITY OF THE CHEMICALS YOU USE AND STORE :

PE (Flash point) ⁽¹⁾	Degree of flammability	Product examples	Recommended safety cabinets	
			In Industry	In Laboratories
Higher than 55°C	LITTLE FLAMMABLE	Fuel, Gas oil	Range 1, 2, 7015 ⁽²⁾⁽³⁾	Range 7015 ⁽²⁾⁽³⁾
Between 21°C and 55°C	FLAMMABLE	Oil of turpentine, white spirit	Range 1, 2, 3, 7030 ⁽²⁾	Range 7030 ⁽²⁾
Between 0°C and 21°C	EASILY FLAMMABLE	Ethanol, methanol	Range 2, 5, 7.60 ⁽²⁾	Range 7.60 ⁽²⁾
Under 0°C	EXTREMELY FLAMMABLE	Acetone, ether	Range 7.90 ⁽²⁾	Range 7.90 ⁽²⁾
Gas cylinders model B2, B5, B11, B20 et B50			Range 7.90BG	Range 7.90BG

⁽¹⁾PE (Flash point): Lowest temperature at which a liquid could form gas/air mixtures, able to burn with an ignition source.

⁽²⁾Please check our brochure EN 14470 tested and certified Safety cabinets.

⁽³⁾Not appropriate for Germany

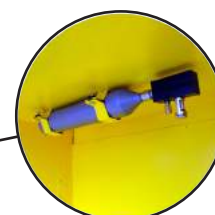
In this part of the catalog you will find:

Safety cabinets with extinguisher for flammable products	CNPP	Range 1
FM safety cabinets for flammable products	FM	Range 2
Safety storage for toxic, Noxious or Flammable products	ISO 1182	Range 3/ 5
Ventilation and Filtration Boxes	I.N.R.S.	Range V

RANGE 1



SAFETY CABINETS WITH EXTINGUISHER FOR FLAMMABLE PRODUCTS



EX500G



To protect the users health and to improve the life cycle of your safety cabinet, we recommend to install an exhausting system. Do not hesitate to contact-us for more information.



CONFORMITY

- Normalized labelling according to ISO 3864 and 92/58/CEE european directive.

ADVANTAGES

- Large retention tank for AMS 100 and AMS 200 models.
- Automatic self extinguishing in case of fire.
- Sloping roof to avoid unauthorized storage.

PASSIVE SECURITY

- Built in steel 15/10th.
- Epoxy paint :
 - Beige RAL 1013 (for AMS10 & AMS 20);
 - Yellow RAL 1023 (for AMS100 & AMS 200).
- «Flammable» large warning labels.
- 3 adjustable perforated shelves (except AMS10 and AMS20 models, one non-ajustable shelf).
- Bottom containment sump.

ACTIVE SECURITY

- Equipped with a CO₂ extinguisher:
 - 120g for AMS10 and AMS20 models;
 - 500g for AMS100 and AMS200 models.
- Automatic release by thermic bulb (between 65 and 72°C).
- High and low vent Ø 100 mm with flame arresters (except AMS10 and AMS20 models).
- Self-closing double doors (except AMS10 and AMS20 models, one self-closing door).
- Key locking system.

OPTIONS

- Additional perforated shelf for AMS100 and AMS200 models.
- Spare extinguisher.
- These cabinets are also available without extinguisher. Contact-us for more information.

EUROPEAN MANUFACTURE

P/N	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Equipped with a CO ₂ extinguisher	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾ (kg)	Weight (Kg)
AMS10	455 x 500 x 250	260 x 490 x 220	120 g	10	10	1	20	12
AMS20	500 x 700 x 250	260 x 690 x 220	120 g	20	15	1	25	20
AMS100	1500 x 800 x 400	1220 X 780 X 380	500 g	100	112	3	50	70
AMS100SE			no					
AMS200	1800 x 1000 x 400	1530 X 890 X 380	500 g	200	130	3	75	100
AMS200SE			no					
ESAMS1	30 x 780 x 380	Additional shelf for AMS100 and AMS100SE						8
ESAMS2	30 x 980 x 380	Additional shelf for AMS200 and AMS200SE						10
EX120G	CO ₂ extinguisher for AMS10 and AMS20							0,2
EX500G	CO ₂ extinguisher for AMS100 and AMS200							0,6

⁽¹⁾ Evenly distributed

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

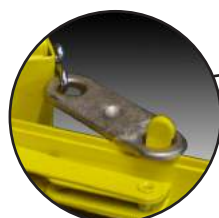
Showers and first-
aid equipments

RANGE 2

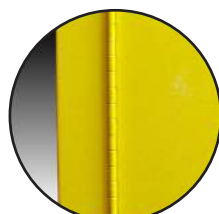
FM - NFPA - OSHA

FM SAFETY CABINETS

for flammable products



Fusible links hold doors wide open and melt at 74°C for automatic closure⁽¹⁾



Continuous piano hinge



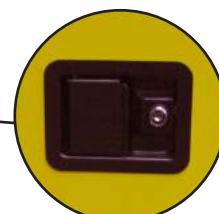
Vent with built-in flame arresters



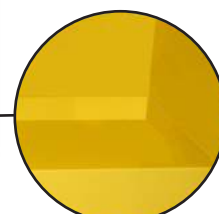
SC45 ▲



Adjustable shelves



Integrated locking handle



Liquid-tight containment sump

DIRECTIVES & NORMS

- In as per NFPA (National Fire Protection Association), OSHA (Occupational Safety and Health Administration), and FM (Factory Mutual international) regulations.

ADVANTAGES

- Sturdy construction
- Integrated locking handle.
- Cabinets with self-closing doors. The fusible links hold doors wide open and melt at 74°C for automatic closure⁽¹⁾.
- Continuous piano hinge provides smooth closure.
- Many models are available.

PASSIVE SECURITY

- Built in double wall steel with 38 mm of insulating air space.
- Yellow epoxy paint.
- Adjustable shelves.
- 50 mm liquid-tight containment sump.
- Built in grounding connector.

ACTIVE SECURITY

- Lateral high and low vent Ø 2" (50mm) with flame arresters.
- Continuous piano hinge.
- Manual or self-closing doors.
- 3 points lock with fail-safe closing mechanism and locking handle.
- Key locking system.

OPTIONS

- Additional shelf.
- Absorbing carpets (ref.JF10).
- Ventilation or filtration boxes.

All FM approved cabinets are recommended by the U.S insurance companies.

⁽¹⁾On self-closing models

RANGE 2

FM - NFPA - OSHA



Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments



P/N	Door types	Description	Out. dimension H x W x D (mm)	In. dimension H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽³⁾ (kg)	W. (kg)
MB04	Manual	Under-bench cabinet with 1 door	610 x 430 x 430	465 x 345 x 360	15	6	1	159	30
SB04	Self-closing								32
MB12	Manual	Working cover cabinet with 1 door	960 x 610 x 460	795 x 510 x 390	45	10	1	159	65
SB12	Self-closing								67
ES12	-	Additional shelf for 45L cabinet							3
MB18	Manual	Under-bench cabinet with 2 doors	610 x 1090 x 460	515 x 1005 x 390	64	20	1	159	75
SB18	Self-closing								78
ES18	-	Additional shelf for 64L cabinet							4
MB22	Manual	Tall cabinet with 1 door	1650 x 585 x 460	1560 x 500 x 390	83	10	3	159	90
SB22	Self-closing								92
ES22	-	Additional shelf for 83L cabinet							2
MB30	Manual	Working cover cabinet with 2 doors	1120 x 1090 x 460	1025 x 1005 x 390	113	20	1	159	105
SB30	Self-closing								108
ES30	-	Additional shelf for 170L cabinet							4
MC45	Manual	Tall cabinet with 2 doors	1650 x 1090 x 460	1560 x 1005 x 390	170	20	2	159	140
SC45	Self-closing								143
ES45	-	Additional shelf for 228L cabinet							4
MC60	Manual	Tall cabinet with 2 doors	1650 x 860 x 860	1560 x 770 x 780	228	30	2	159	170
SC60	Self-closing								173
ES60	-	Additional shelf for 45L cabinet							8
MC90 ⁽²⁾	Manual	Tall cabinet with 2 doors	1650 x 1100 x 860	1560 x 1020 x 780	340	40	2	159	220
SC90 ⁽²⁾	Self-closing								223
ES90 ⁽²⁾	-	Additional shelf for 340L cabinet							10

⁽²⁾Model not on stock and not shown on the picture ⁽³⁾ Evenly distributed



Some models of Range 2 FM safety cabinets are designed to stack on Range 4 cabinets. Contact-us for more information.

To protect the users health and to improve the life cycle and the safety of your cabinet, we recommend to install an exhausting system. Contact us for additional information.



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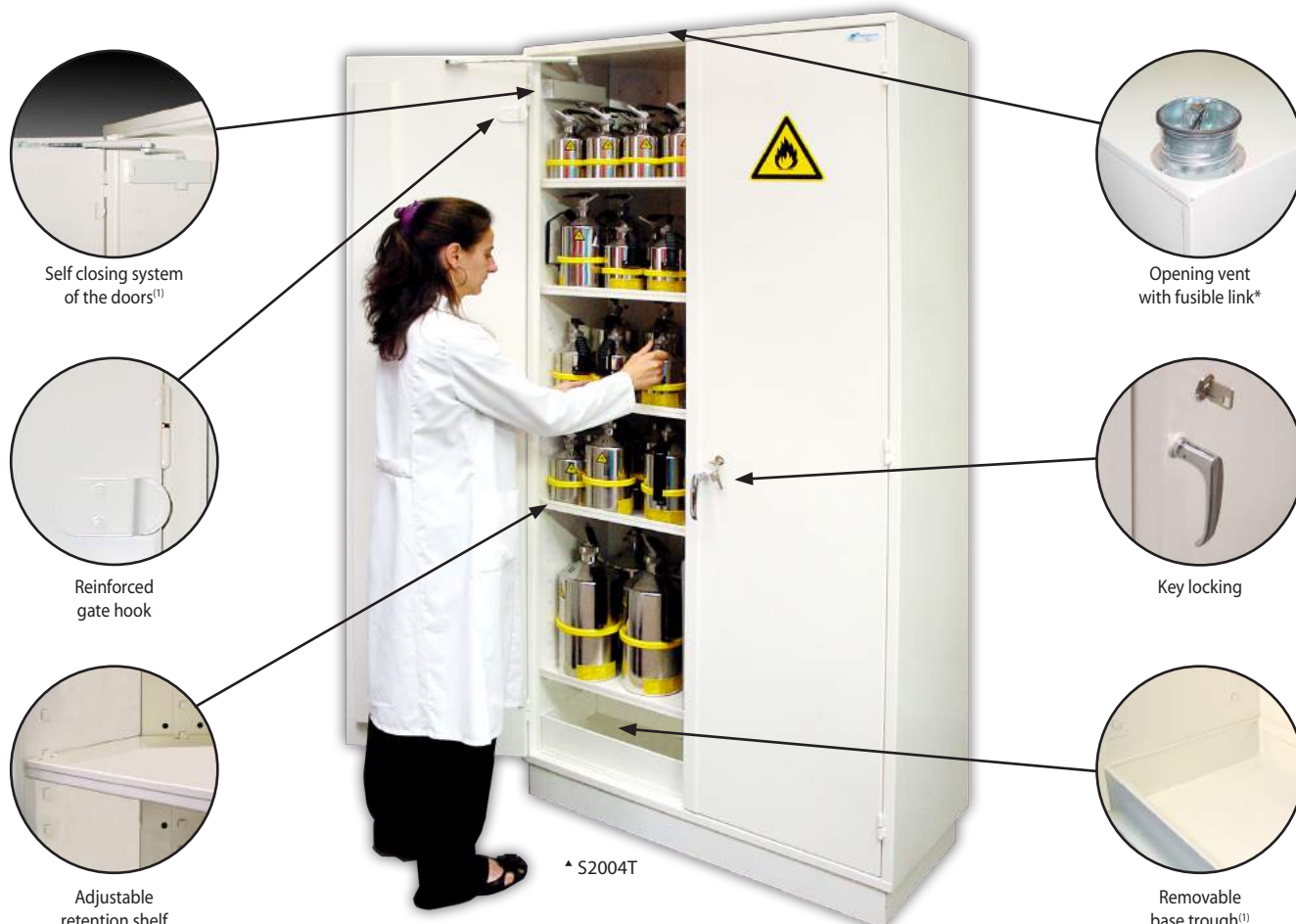
RANGE 3/5

NF EN ISO 1182



SAFETY STORAGE CABINETS

for Toxic, Noxious or Flammable products



DIRECTIVES & NORMS

- In as per EN ISO 1182.
- Normalized labelling according to ISO 3864 norm and 92/58/CEE directive.

ADVANTAGES

- Large storage capacity.
- Cabinets for various families of products storage (noxious, toxics and flammables) with same design for a better homogeneity.

PASSIVE SECURITY

- Built in double wall steel 12/10th.
- 20 mm thickness of mineral fibre insulation.
- White epoxy paint RAL 9010.
- «Toxics», «Noxious» or «Flammables» large warning label.
- Adjustable containment shelves.

ACTIVE SECURITY

- Inside lateral ventilation shaft with high opening and connecting piece (Ø 100 mm).
- Ventilation outlet on the roof with connecting sleeve (Ø 100 mm).
- Reinforced gate hook, sealing off by 2 points lock.
- Key locking.

OPTIONS

- Additional retention shelf (G03, G04 or G06).
- Containment shelf in PVC (EP03, EP04 or EP06).
- Base through in steel (GL03, GL04 or GL06).
- Base through in PVC (BP03, BP04 or BP06).
- Absorbing carpets (ref. JF10).



ADDITIONAL EQUIPMENT OF THE RANGE 5

- Removable base through in steel at the bottom.
- Self closing system of the doors.
- Opening vent with fusible link.

RANGE 5 OPTIONS

- Open doors locking system with self closing system at 70°C.
- Additional retention shelf (G03, G04 ou G06).
- Containment shelf in PVC (EP03, EP04 ou EP06).
- Containment sump in PVC (BP03, BP04 ou BP06).

Ventilation and Filtration Boxes

To protect the users health and to improve the life cycle of your safety cabinet, we recommend to install an exhausting system. Do not hesitate to contact-us for more information.



⁽¹⁾ Only for Range 5 cabinets / In option for Range 3

RANGE 3/5

NF EN ISO 1182



RANGE 3

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾ (kg)	W. (kg)
SV50	Under-bench cabinet (depth: 450 mm)	750 ⁽²⁾ x 1000 x 450	650 x 950 x 400	50	1	75	62
G803G	Low cabinet (depth: 300 mm)	895 x 1000 x 300	745 x 950 x 250	70	1	75	58
G804G	Low cabinet (depth: 450 mm)	895 x 1000 x 450	745 x 950 x 400	100	1	75	68
G806G	Low cabinet (depth: 600 mm)	895 x 1000 x 600	745 x 950 x 550	135	1	75	82
G1204E	Working cover cabinet (depth:450mm)	1295 x 1000 x 450	1145 x 950 x 400	150	3	75	92
G2004B	Tall cabinet (depth: 450 mm)	2095 x 1000 x 450	1945 x 950 x 400	250	5	75	145
G2006B	Tall cabinet (depth: 600 mm)	2095 x 1000 x 600	1945 x 950 x 550	300	5	75	166

RANGE 5

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾ (kg)	W. (kg)
S604T	Under-bench cabinet (depth: 450 mm)	750 ⁽²⁾ x 1000 x 450	650 x 950 x 400	50	1	75	69
S804T	Low cabinet (depth: 450 mm)	895 x 1000 x 450	745 x 950 x 400	100	1	75	75
S806T	Low cabinet (depth: 600 mm)	895 x 1000 x 600	745 x 950 x 550	135	1	75	90
S1204T	Working cover cabinet (depth:450mm)	1295 x 1000 x 450	1145 x 950 x 400	150	3	75	99
S2004T	Tall cabinet (depth: 450 mm)	2095 x 1000 x 450	1945 x 950 x 400	250	5	75	152
S2006T	Tall cabinet (depth: 600 mm)	2095 x 1000 x 600	1945 x 950 x 550	300	5	75	174

OPTIONS

P/N	Description	W. (kg)
G03	Additional shelf for G803G	3
G04	Additional shelf for SV50-G804G-G1204GE-G2004B-S604T-S804T-S1204T-S2004T	4
G06	Additional shelf for G806G-G2006B-S806T-S2006T	5
EP03	Containment shelf in PVC for G803G	6
EP04	Containment shelf in PVC for SV50-G804G-G1204E-G2004B-S604T-S1204T-S2004T	6
EP06	Containment shelf in PVC for G806G-G2006B-S806T-S2006T	6
GL03	Containment sump for G803G	4
GL04	Containment sump for SV50-G804G-G1204E-G2004B-S604T-S1204T-S2004T	5
GL06	Containment sump for G806G-G2006B-S806T-S2006T	6
BP03	Containment sump in PVC for G803G	3
BP04	Containment sump in PVC for SV50-G804G-G1204E-G2004B-S604T-S1204T-S2004T	4
BP06	Containment sump in PVC for G806G-G2006B-S806T-S2006T	5
FTR5	Self closing system at 70°C with open doors locking system (must be ordered together with the cabinet)	-

⁽¹⁾ Evenly distributed ⁽²⁾ In option: height 670 mm. Contact-us for more information.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2015

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

RANGE V**ISO 3744 CE**

VENTILATION AND FILTRATION BOXES

CDV-A
+ option KRC
+ option KL100
+ option CDS100



CDF-P
+ option KRC



VENTILATION BOX (CDV-A)

USE AREA

The electric fan allows the extraction of toxic vapours generated inside your safety cabinet.

CONFORMITY

- Electric fan in compliance with ISO 3744; CE marking.

ADVANTAGES

- Adaptable to all of our cabinets.
- Simple and aesthetic fitting.
- Easy connection between the cabinet and the vent box.
- Connection by flexible tube Ø 100 mm (in option).
- Lighting control allowing to survey the proper working of the fan.

TECHNICAL SPECIFICATIONS

- Built in steel 12/10th, white epoxy paint RAL 9010.
- Electric engine with switch ON/OFF with lighting control.
 - 220/240 volts – 50 Hz – 97 W – 0,54 A – 55,5 dB(A) (excluding air flow)
 - Flow : 215 m³/h – Protection : IP44.
 - Exhaust inlet and outlet : Ø 100 mm.

CONNECTING KIT OPTION (KRC)

It allows to connect easily your ventilation or filtration box with any cabinet
It includes :



- 1 sleeve diameter 100mm, ref CHJ, to fix on the exhaust of the cabinet.
- 1 meter of flexible tube diameter 100mm ref KL 100.
- 2 clamp diameter 100 mm, ref. CDS100.

FILTRATION BOXES (CDF-A, CDF-ACORG ET CDF-P)

USE AREA

The electric fan allows the exhaust of toxic vapours generated inside your safety cabinet. The vapours are purified by the active coal filter and rejected without danger in the atmosphere.

CONFORMITY

- CE marking

AVANTAGES

- Adaptable to all of our cabinets.
- No modification of building's structure required.
- Simple and aesthetic fitting.
- Easy connection between the cabinet and the vent box.
- Connection by flexible tube Ø 100 mm (in option).

TECHNICAL SPECIFICATIONS

Filtration box CDF-A model (not shown on the picture)

- Built in steel 12/10th; White epoxy paint RAL 9010.

Filtration box CDF-P model

- Built in Cellular PVC; White colour.

Each box contains 2 independent compartments:

Filtration compartment :

- «Candle» type active coal filter (H150 x Ø150 mm) : ref.CDFORG on CDF-A model and CDFCORG on CDF-P model; must be changed at least once a year.
- Filter settled on the box by 3 lugs and airtightness insured thanks to a rubber seal.

Ventilation compartment:

- Electric engine :
 - 220/240 volts – 50 Hz – 20 W – 0,09 A – 43 dB(A) (excluding air flow).
 - Flow: 86 m³/h – Protection : IP20.
 - Exhaust inlet and outlet : Ø 100 mm / d'évacuation : Ø 100 mm.

P/N	Description	Overall dimension H x W x D (mm)	Equiped with active coal filter	Weight (kg)
CDV-A	Ventilation box in steel	235 x 235 x 250	no	8
CDF-A	Filtration box in steel with filter	285 x 410 x 285	CDFORG	13
CDF-ACORG	Filtration box in cellular PVC with filter CDFCORG	285 x 410 x 285	CDFCORG	13
CDF-P	Filtration box in cellular PVC with filter CDFCORG	305 x 580 x 300		10
KRC	Connecting kit for box	-	-	1
KL100	1 metre flexible tube Ø 100 mm	-	-	0,2
CHJ	Connection unit Ø 100mm	-	-	0,1
CDS100	Clamp collar Ø 100mm	-	-	-
CDFORG	Active coal filter for organic vapours	H 150 x Ø 150	Filter must be changed at least once a year	3
CDFCORG	Active coal filter for corrosive organic vapours	H 150 x Ø 150		3
CDFFOR	Active coal filter for formaldehyde vapours	H 150 x Ø 150		3

(1) The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.

SAFETY CABINETS FOR CORROSIVES



Showers and first-
aid equipments

Anti-fire equipments
and Files cabinets

Containment
and Cans

Fume hoods, filtering
cabinets - Ventilation

Pesticide
range

Toxic cabinets
and multirisk

Corrosive
cabinets

Flammable
cabinets



SAFETY CABINETS FOR CORROSIVES

INTRODUCTION:

For safety reasons, acids and bases must be stored in safety cabinets in order to prevent any risk of leaks or breakages of bottles.

You must also pay attention that different product families must be separated in compartments or stored into different cabinets. Some of our cabinets are divided in compartments, allowing storage of different product families.

This catalogue presents our range of safety cabinets for several corrosives solutions of storage. Whatever your field of activity may be (laboratory, industry, warehouse, production unit,...), if you store corrosives (little to extremely corrosives), you must store them in safety cabinets. Do not hesitate to contact us for a personal and quick advice.

What is a safety cabinet for corrosives?

Two different types of storage can be proposed concerning corrosives:

The first type, dedicated to slightly corrosive products, are steel safety cabinets with high resistant paint. These cabinets offer additional protection in high density polyethylene or PVC for the shelves and the bottom retention tank.

The second type, dedicated to high corrosive products (such as nitric, sulfuric, hydrochloric or fluorhydric acids) are cabinets made in high density polyethylene or cellular PVC. These materials offer the perfect resistance to corrosives vapours.

Is forced ventilation needed?

A forced ventilation is a prerequisite in order to improve the life cycle and the safety of a steel cabinet. Indeed, despite the fact that the steel is protected by a resistant epoxy paint, nothing can protect against the possibility of corrosion inside a steel safety cabinet. Moreover, to protect the users health, it is highly recommended to install an exhausting system, whatever the material used for the cabinet, in order to eliminate any concentration of dangerous vapours inside the cabinet. We invite you to have a look at the different vent solutions proposed (fan, exhausting system, filtration by active coal, etc...) at the end of this catalogue to find the right one adapted to your needs. Do not hesitate to contact us for any information.

NORMALIZATION:

FM (FACTORY MUTUAL):

Offers worldwide industrial and commercial product certification and testing services through its business unit FM Approvals. Recognized and respected across the globe, FM Approvals certification assures customers that a product or service has been objectively tested and complies to the highest national and international standards.



European norm EN 14470-1:

It is applicable for storage of flammable and highly flammable chemicals in a laboratory. The flammables used in laboratories must be stored in one or several safety cabinets which are fire resistant 15 (minimum required), 30, 60 or 90 minutes.

EN 14470-1

NF X 15-211 - mai 2009 norm:

The standard indicate on the ventilation and filtration efficiency, as well as the Containment efficiency for the recirculatory fume hood designed for chemicals use in laboratories.

NF X15-211

Summary

FM safety cabinets for corrosive products	FM	Range 4
Corrosion resistant laboratory cabinets for acids and bases	I.N.R.S.	Range 8.A
Corrosion resistant laboratory cabinets for acids and bases	I.N.R.S.	Range 8.B
EN 14470-1 Safety Cabinets - Type 30 minutes for acids and bases	EN 14470-1	Range 3030.M
Safety cabinets with 2 compartments	I.N.R.S.	Range 11.A

RANGE 4

FM - NFPA - OSHA

FM SAFETY CABINETS FOR CORROSIVES⁽¹⁾



B18M *



B30M *



* B22S

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

CONFORMITY

- In compliance with NFPA (National Fire Protection Association), OSHA (Occupational Safety and Health Administration), UL (Underwriters Laboratories) and FM (Factory Mutual international) specifications.

ADVANTAGES

- Sturdy construction for use in industry.
- Integrated self-latching handle.
- Continuous piano hinge provides smooth closure.
- Various models available.

PASSIVE SECURITY

- Built in double wall steel with 38 mm of insulating air space.
- Blue epoxy paint.
- Adjustable galvanized spillslope safety steel shelves with high density polyethylene (HDPE) shelves trays.

- Liquid tight containment sump holds leaks on the bottom (50mm height).
- Static ground connection.
- B24M and B24S models equipped with extra polywork tray.

ACTIVE SECURITY

- High and low vent (Ø 50mm) with grid.
- Continuous piano hinge.
- Self-closing⁽²⁾ or manual doors.
- 3 points stainless steel bullet latching system.
- Doors with key-locking system.

OPTIONS

- Additional shelves.
- Industrial absorbent mats for retention tank (10 pieces by pack P/NJF10D).
- Ventilation or filtration boxes.

P/N	Closing doors	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	HDPE protections	Maximum load by shelf ⁽³⁾ (kg)	W. (kg)
B04M	Manual	610 x 430 x 460	465 x 345 x 360	15	6	1	2	159	30
B04S	Slef-closing								32
B18M	Manual	610 x 1090 x 460	515 x 1005 x 390	64	20	1	2	159	75
B18S	Slef-closing								78
ESP18	-	Additional shelf for 64 litres cabinet							4
B22M	Manual	1650 x 585 x 460	1560 x 500 x 390	86	10	3	4	159	90
B22S	Slef-closing								92
ESP22	-	Additional shelf for 86 litres cabinet							4
B24M	Manual	910 x 890 x 560	710 x 795 x 455	90	18	1	2	159	92
B24S	Slef-closing								95
ESP24	-	Additional shelf for 90 litres cabinet							4
B30M	Manual	1120 x 1090 x 460	1025 x 1005 x 390	113	20	1	2	159	105
B30S	Slef-closing								108
ESP30	-	Additional shelf for 113 litres cabinet							5
B45M	Manual	1650 x 1090 x 460	1560 x 1005 x 390	170	20	2	3	159	140
B45S	Slef-closing								143
ESP45	-	Additional shelf for 170 litres cabinet							5
B60M	Manual	1650 x 860 x 860	1560 x 770 x 780	228	30	2	3	159	170
B60S	Slef-closing								173
ESP60	-	Additional shelf for 228 litres cabinet							9

⁽¹⁾ These cabinets are not designed for high corrosive products (nitric acid, sulfuric acid, phenol, hydrochloric) and require an exhausting system to improve their life cycle. For the high corrosive products please refer to our Ranges 8.A and 10. For the exhausting system refer our V Range.

⁽²⁾ According to models ⁽³⁾ Evenly distributed

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2015

RANGE 8.A

CORROSION RESISTANT LABORATORY CABINETS for Acids and Bases

**CERTIFICATION**

- Large warning labels in compliance with ISO 3864, 92/58/CEE European directive and NF X08.003 norm.
- In compliance with recommendations of The National Institute for research and Safety at work (I.N.R.S).

ADVANTAGES

- Especially designed for acid and bases storage.
- Built in cellular PVC with a great resistance to vapour aggressions and corrosives liquids.
- Cabinets with sliding drawers for acid or/and base storage.

PASSIVE SECURITY

- Built entirely in white cellular PVC.
- «Corrosive», «Base» and «Toxic» large warning labels (only the 3 for APC106 model).
- Adjustable retention sliding drawers for each major compartment.
- Independant compartments (except APC31 model) for acid, base or/and toxic products storage (only for APC106 model).

- Each compartment is divided in a major and a secondary storage area (except APC61, APC111 and APC221 models).

ACTIVE SECURITY

- High and low opening vent Ø 100 mm with connecting piece for possible exhaust.
- Door(s) with lock :
 - Handling door(s) for APC31, APC91 and APC106 models.
 - Sliding doors for APC61, APC111 and APC221 models.
- Adjustable leveling feet for enhance stability.

**Recycling AirBox
Labopur - H50**

Take advantage of **Labopur's** technology with any safety cabinet. Active coal filters absorbtion's capacity and filtration system are tested and certified NF X 15-211.



P/N	Outside dim. H x W x D (mm)	Number of compartment		Number of retention		Storage capacity (kg)	Containment capacity (L)	Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
		Major	Secondary	Drawers in major	Shelves in second.				
APC31	670 x 635 x 615	1	1	2	2	68	28	20	30
APC61	670 x 1135 x 615	2	-	4	-	96	44	20	60
APC91	1850 x 635 x 615	2	2	6	6	150	84	20	90
APC111	900 x 1135 x 615	2	-	6	-	144	66	20	110
APC106	1850 x 635 x 615	3	3	5	5	170	70	20	83
APC221	1850 x 1135 x 615	2	-	8	-	192	88	20	155
E8A2	Containment shelf/sump sliding					20	11		6

⁽¹⁾ Evenly distributed

[illegible]

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations.

Flammable
cabinets

RANGE 8.B**CORROSION RESISTANT CABINETS FOR ACIDS & BASES**

▲ APC222

Secondary compartment



New slide rails with drawer stop



▲ APC62



▲ APC92

**CERTIFICATION**

- Large warning labels in compliance with ISO 3864, 92/58/CEE Euro- pean directive and NF X08.003 norm.
- In compliance with recommendations of The National Institute for research and Safety at work (I.N.R.S.).

ADVANTAGES

- Especially designed for acids and bases storage.
- Built in melamine-based wood with a great resistance to corrosive vapours aggressions.
- Cabinets with sliding drawers for acids or/and bases storage.

PASSIVE SECURITY

- Built entirely in white melamine-based wood.
- «Corrosive», «Base» and «Toxic» large warning labels (only the 3 for APC107 model) .
- Adjustable retention sliding drawers for each major compartment.
- Independant compartments (except APC32 model) for acid, base or/ and toxic products storage (only for APC107 model).
- Each compartment is divided in a major and a secondary storage area (except APC62, APC112 and APC222 models).

ACTIVE SECURITY

- High and low opening vent Ø 100 mm with connecting piece for possible exhaust.
- Door(s) with lock:
 - Handling door(s) for APC32, APC92 and APC107 models.
 - Sliding doors for APC62, APC112 and APC222 models.
- Adjustable leveling feet for enhance stability.

Recycling AirBox Labopur - H50

Take advantage of **Labopur's** technology with any safety cabinet. Active coal filters absorbtion's capacity and filtration system are tested and certified NF X 15-211.



P/N	Outside Dim. H x W x D (mm)	Number of compartment		Number of retention		Storage capacity (kg)	Containment capacity (L)	Maximum load by shelf ⁽¹⁾ (kg)	W. (kg)
		Major	Secondary	Drawers in major	Shelves in second.				
APC32	670 x 635 x 615	1	1	2	2	68	28	20	30
APC62	670 x 1135 x 615	2	-	4	-	96	44	20	60
APC92	1850 x 635 x 615	2	2	6	6	150	84	20	90
APC112	900 x 1135 x 615	2	-	6	-	144	66	20	110
APC107	1850 x 635 x 615	3	3	5	5	170	70	20	83
APC222	1850 x 1135 x 615	2	-	8	-	192	88		155
E8A2	Shelf / base trough sliding					20	11		6

N.B. : The melamine-based wood may be affected by corrosive liquids attacks. Acids and bases bottles must be stored in the HDPE base trough. Moreover, all spills must be quickly cleaned. ⁽¹⁾Evenly distributed

RANGE 3030.M**EN** 14470-1 **FM** 6050

EN 14470-1 & FM⁽¹⁾ 30 MINUTES SAFETY CABINETS for acids and bases

CERTIFICATION

- Tested and approved Type 30 according to EN 14470-1 (04-2004) and EN 1363-1 (06-2000).
- ⁽¹⁾Tested and approved 10 minutes according to FM 6050 (Factory Mutual international).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04-2004) norms, 92/58/CEE european directive and FM regulations.

ADVANTAGES

- 30-minute fire resistance according to ISO 834 fire heating curve.
- Pedestal area under-driveable by a forklift by removing panel (except for the under-bench models).
- Self-closing doors with possibility to keep the door(s) open. If the temperature rises to 43°C, a fuse link closes the door(s) automatically.

PASSIVE SECURITY

- Built in melamine-based wood : high chemicals resistance.
- Grey structure (RAL 7035), yellow edges (RAL 1023).
- Safety labelling as per EN 14470-1.
- Containment shelves adjustable in height (step every 32 mm).
- Removable bottom containment sump.

ACTIVE SECURITY

- Air inlet and outlet Ø 100 mm connecting pieces for possible exhaust.
- Self-closing doors.
- Doors with a lockable three-point latching mechanism.
- Lockable non-sparking.
- Adjustable leveling feet for enhance stability.



OPTIONS

- Additional retention shelf (depending on model).
- Perforated cover plate for base trough.
- Self retracting shelf.
- PVC shelf and retention tank
- Ventilation or filtration boxes.
- Industrial absorbing mat (P/N: JF10D).

Ventilation and Filtration Boxes

To protect the users health and to improve the life cycle of your safety cabinet, we recommend to install an exhausting system. Do not hesitate to contact-us for more information.



Recycling AirBox Labopur - H50

Take advantage of **Labopur's** technology with any safety cabinet. Active coal filters absorption's capacity and filtration system are tested and certified NF X 15-211.



P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	Storage capacity (Kg)	Delivered with				Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
					Shelves		Containment sump			
					Steel	PVC	Steel	PVC		
3035M11	Tall cabinet, 2 doors, 2 compartments	1980x1115x550	(2x) 1561x472x484	180	6	option	1	option	30	232
E703148	Additional shelf	30x490x410	-	-	-	-	-	-	-	3
C703148	Perforated cover plate	100x490x410	-	-	-	-	-	-	-	4
SE703148	PVC containment shelf for E703148	30x485x405	-	-	-	-	-	-	-	2
SB703148	PVC base trough	100x485x405	-	-	-	-	-	-	-	3

N.B. : The melamine-based wood may be affected by corrosive liquids attacks. Acids and bases bottles must be stored in the HDPE base trough. Moreover, all spills must be quickly cleaned. ⁽¹⁾Evenly distributed

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2015

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 11.A CEE

VENTILATED SAFETY CABINETS FOR ACIDS AND BASES



Additional shelf in PVC for Acid compartment

Fan integrated

AB75 *

CERTIFICATION

- Large warning labels in compliance with ISO 3864, 92/58/CEE European directive and NF X08.003 norm.
- Electric fan in compliance with CE regulations.

ADVANTAGES

- Strictly separated acid and base storage.

PASSIVE SECURITY

- Built in steel 15/10th.
- Double wall doors in steel 15/10th.
- White epoxy paint RAL 9010.
- «Acids» and «Bases» large warning labels.
- Containment shelves in steel adjustable in height.
- Adjustable steel containment shelves.

- Additional containment shelves in PVC for «Acid» compartments.
- Removable base through in steel at the bottom of each compartment (except «Acid» compartments: base through in PVC).

ACTIVE SECURITY

- High and low vents Ø 100 mm (for possible external connection).
- Handling doors with key-locking system.
- Electric fan: 220/240 volts - 50 Hz - 40 W - 0,19 A - 54 dB(A) - Flow: 156 m³/h - Protection: IP44.

OPTIONS

- Industrial absorbing mat (ref. JF10D).
- Flexible tube (ref. KL100).
- Clamp collar (ref. CDS100).

P/N	Description	Dimensions H x W x D (mm)	Compartment capacity		Nb of shelves	Nb of containment sump	Fan	Compartment type			Maximum load by shelf ⁽¹⁾	W. (kg)
			Storage (L)	Containment (L)								
AB75	Tall cabinet with fan	Ext. 2080x560x560 Int. (2x) 890x530x470	110 (2x 55)	70 (2x 35)	4	2	156 m³/h	x	x	-	50	78
AB75SC	Tall cabinet without fan	Ext. 1830x560x560					-	x	x	-	50	68
AS75SC	Tall cabinet without fan	Int. (2x) 890x530x470					-	x	-	x	50	68

⁽¹⁾ Evenly distributed

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SAFETY CABINETS FOR TOXICS AND MULTIRISK SAFETY CABINETS



Showers and first-aid equipments

Anti-fire equipments and Files cabinets

Containment and Cans

Fume hoods, filtering cabinets - Ventilation

Pesticide range

Toxic cabinets and multirisk

Corrosive cabinets

Flammable cabinets



SAFETY CABINETS FOR TOXICS AND MULTIRISK SAFETY CABINETS

INTRODUCTION:

Due to obvious reasons of safety (fire, explosion, corrosion, intoxication) dangerous chemicals, whatever they may be must be handled and stored extremely carefully.

This catalogue will help you to find solutions in connection with the storage of your dangerous chemicals according to your safety requirements.

Whether you are working in a workshop, laboratory, warehouse, manufacturing unit, department of a company, if you store hazardous chemicals such as poisons, flammables, corrosives, polluting, harmful products, etc, you must store them cautiously.

Do not hesitate to contact us for fast and personalized advices.

NORMALIZATION:

Public health (related to toxics)

Toxics and poisonous chemicals must be stored in a specific place equipped with key closing.

Recommendation (related to different families of chemicals)

Non compatible chemicals must be stored in separate cabinets or compartments.

Environment (related to pollutants)

Each chemical liable to pollute water or soil must be stored with a retention tank.

European norm EN 14470-1 (related to flammables in laboratories)

Flammables kept inside laboratories must be stored into one or more safety cabinets with a minimum fire resistance of 15 minutes. 4 classifications: 15, 30, 60 and 90 minutes.

EN 14470-1

CHOOSE YOUR SAFETY CABINET ACCORDING TO YOUR STORAGE AND CHEMICALS INCOMPATIBILITIES

	Simplified diagram of the incompatibilities between hazardous chemicals					Adapted cabinet one-compartment							Adapted cabinet multi-compartments		
Chemicals to Be stored						Range 6	Range 13	Range 14	Range 14E	Range 14L	Range 14T	Range 18	Range 11B / Range 790	Range 11C	Range 14
	+	-	-	O	+	X		X	X	X	X		X	X	X
	-	O	-	O	O	X		X	X	X	X		X	X	X
	-	-	+	+	O	X	X	X	X	X	X	X	X	X	X
	O	-	+	+	+	X	X	X	X	X	X	X	X	X	X
	+	O	O	+	+	X	X	X	X	X	X	X	X	X	X

- + Compatible products.
- O Do not store, handle or waste together except if particular conditions are applied.
- Non compatible products.

For the storage of very corrosive chemicals (Hydrochloric acid, Nitric acid, Sulfuric acid), we recommend our range 11.B or range 8.A cabinets.
For more information, please refer to our catalogue concerning cabinets for corrosives.

RANGE 14.E



SECURE CABINETS FOR DANGEROUS PRODUCTS



Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

CERTIFICATION

- Large warning labels in compliance with ISO 3864 norm and the european directive 92/58/CEE.

ADVANTAGES

- Especially designed for dangerous products storage in compliance with the regulation.
- Inexpensive solution for your dangerous products storage.
- Delivered with 4 large warning labels : «Flammables», «Corrosives» (x2) and «Toxics».
- Working cover cabinet (P/N : AZ50 et AZ110) are delivered with one rubber cabinet-top work tray.

ACTIVE SECURITY

- Hight and low vents.
- Handling door(s) with 110° opening angle.
- Door(s) with key lock.

PASSIVE SECURITY

- Built in steel.
- Epoxy paint :
 - Body: grey RAL 7035; Door(s): yellow RAL 1023.
 - Body: grey RAL 7035; Door(s): red RAL 3000.
 - Body: grey RAL 7035; Door(s): blue RAL 5010.
 - Body: grey RAL 7035; Door(s): green RAL 6011.
- Containment shelves/sump adjustable in height (50 mm height).
- Maximum load by shelf : 80 kg.
- «Flammables», «Corrosives» (x2) and «Toxics» large warning labels.

OPTIONS

- Additional containment shelves/base through (P/N: ESE150 and ESE300).
- Galvanized perforated cover plate for containment shelves/base through (P/N: E150 and CE300).
- Opening vent Ø 100 mm (must be ordered with the cabinet).

Cabinet available in
4 different sizes and
doors colours

Doors reference				Description	Outside dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	W. (kg)
Yellow	Red	Blue	Green							
AZ50	AZ50R	AZ50B	AZ50V	Working cover cabinet with 1 door	Ext. : 1000 x 500 x 500 Int. : 890 x 498 x 453	80	20	2	80	26
AZ110	AZ110R	AZ110B	AZ110V	Working cover cabinet with 2 doors	Ext. : 1000 x 930 x 500 Int. : 890 x 925 x 453	155	40	2	80	43
AZ150	AZ150R	AZ150B	AZ150V	Tall cabinet 1 door	Ext. : 1950 x 500 x 500 Int. : 1840 x 498 x 453	150	40	4	80	55
AZ300	AZ300R	AZ300B	AZ300V	Tall cabinet 2 doors	Ext. : 1950 x 930 x 500 Int. : 1840 x 925 x 453	300	80	4	80	90
ESE150	Shelf/base through for AZ50/AZ150				50 x 488 x 443	-	10	-	-	6
CE150	Perforated cover plate for ESE150				50 x 483 x 438	-	-	-	-	5
ESE300	Shelf/base through for AZ110/AZ300				50 x 915 x 443	-	20	-	-	10
CE300	Perforated cover plate for ESE300				50 x 913 x 438	-	-	-	-	10
AZVENT	Opening vent				-	-	-	-	-	-

⁽¹⁾ Evenly distributed

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 08/2015

RANGE 14**MODULABLE MULTIRISK SAFETY CABINETS****CERTIFICATION**

- Large warning labels in compliance with ISO 3864 norm and the European directive 92/58/CEE.

ADVANTAGES

- Possibility to separate the dangerous product families.
- Modifiable solution for the storage of your chemicals.
- Inside equipments of the different compartments following your needs.
- Possibility to join the different models together (except AB56 model; only A1T, A2T, A3T and A4T can be joined together).

PASSIVE SECURITY

- Built in steel 10/10th.
- White epoxy paint RAL 9010.
- "Toxic", "Flammable" or "Acid" (x2) large warning label following your needs.
- Steel containment shelves adjustable in height.
- One removable base trough in steel in the bottom of each compartment.

ACTIVE SECURITY

- High and low vents :
 - Outlet with flame arresters;
 - Ø 100mm outlet for a possible external connection.
- Handling door(s) (except for A1T type, sliding door) with key locking system.

OPTIONS

- PVC equipment for "Acids" compartment including PVC protection shelf and PVC retention tank.
- Additional steel retention shelf.
- Industrial absorbent mat (Ref JF10D).

Ventilated under-bech cabinet with two compartments Model AB56⁽¹⁾

Delivered with one electric fan fixed in the right compartment (230 volts - 50 Hz - 40 Watts - 0,19 A - 54 dB(A), excluding air flow - flow 150 m³/h - protection IP44 - Exhaust outlet Ø 100 mm) and PVC retention shelf and base trough.

N.B.: Do not store flammable products and solvents in the compartment with a fan.

⁽¹⁾Cabinet without fan: ref. AB56SV



AB56 ▲

WARNING! For safety reasons, refrain storing different chemical families in the same compartment. Do not store high-corrosive products like sulfuric acid, nitric acid, hydrochloric acid... and extremely flammable products.

RANGE 14



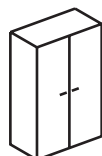
P/N	ASP	ASDP	AB56	AB56SV
Door(s)	1 Handling	2 Handling	2 Handling	
Compartment(s)	1	1	2	
Dimensions H x W x D (mm)	670 x 560 x 545	670 x 1100 x 545	670 x 1100 x 545	
Storage cap. (L)	30	60	60 (2x 30)	
Containment cap. (L)	30	60	60 (2x 30)	
Containment shelf steel/PVC	1 / option	1 / option	2 / 1	
Steel/PVC containment sump	1 / option	1 / option	1 / 1	
Maximum load by shelf ⁽¹⁾	50	50	50	
Weight (kg)	25	48	50	



▲ A1T



P/N	AS	ASV	A2P	A2PCA	A3P	A3PCA	A1T	A2T	A3T	A4T
Door(s)	1 Handling	1 Glazed	2 Handling		3 Handling		of 1 to 4 Handling with drawers			
Compartment(s)	1	1	2		3		1	2	3	4
Dimensions H x W x D (mm)	1825 x 560 x 545	1825 x 560 x 545	1825 x 560 x 545		1825 x 560 x 545		1825 x	560 / 1120 / 1680 / 2240		x 545
Storage cap. (L)	150	150	110 (2x 55)		90 (3x 30)		120	240	360	480
Containment cap. (L)	40	40	70 (2x 35)		90 (3x 30)		20	40	60	80
Containment shelf steel/PVC	3 / option	3 / option	4 / option	4 / 2	3 / option	3 / 1	4 / option	8 / option	12 / option	16 / option
Steel/PVC containment sump	1 / option	1 / option	2 / option	1 / 1	3 / option	2 / 1	- / -	- / -	- / -	- / -
Maximum load by shelf ⁽¹⁾	50	50	50		50		50	50	50	50
Weight (kg)	55	55	95		95		80	160	240	320



P/N	ASDD	ASDV	ASDM11	ASVM11	A2+2P	A2+2PCA	ASDM22	ASVM22
Doors	2 Handling	2 Glazed	2 Handling	2 Glazed	4 Handling		2 Handling	2 Glazed
Compartment(s)	1	1	2	2	4		4	4
Dimensions H x W x D (mm)	1825 x 1100 x 545	1825 x 1100 x 545	1825 x 1100 x 545	1825 x 1100 x 545	1825 x 1100 x 545		1825 x 1100 x 545	1825 x 1100 x 545
Storage cap. (L)	300	300	260 (2x 130)	260 (2x 130)	220 (4x 55)		220 (4x 55)	220 (4x 55)
Containment cap. (L)	80	80	92 (2x 46)	92 (2x 46)	156 (4x 39)		156 (4x 39)	156 (4x 39)
Containment shelf steel/PVC	3 / option	3 / option	6 / option	6 / option	8 / option	8 / 2	8 / 2	8 / 2
Steel/PVC containment sump	1 / option	1 / option	2 / options	2 / options	4 / option	3 / 1	3 / 1	3 / 1
Maximum load by shelf ⁽¹⁾	50	50	50	50	50	50	50	50
Weight (kg)	95	95	115	115	190		130	130



P/N	EE1	EE2	ES1T	ESASDD	SEPVC	SBPVC	EX120G	EX500G
Description	Additional shelf	Additional shelf	Additional shelf	Additional shelf	Protection shelf in PVC	PVC Containment sump	CO ₂ extinguisher	
For cabinet	ASP, AS, ASV, A2P, A3P, A2+2P	ASDM11, ASVM11, ASDM22, ASVM22	A1T, A2T, A3T, A4T	ASDP, ASDD, ASDV	All models except A1T (ref.: ESP1T), for models wide in 1100 to 1 compartment provide 2 pieces per level		Contact us	
Dimensions H x W x D (mm)	22 x 550 x 465	30 x 545 x 468	30 x 420 x 450	20 x 1090 x 465	20 x 530 x 460	90 x 530 x 460	-	
Containment cap (L)	5	7	5	10	5	21	-	
Weight (kg)	3	3	3	6	2	3	0,2	0,6

⁽¹⁾ Evenly distributed

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multitrisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 1.M

MULTIRISKS SECURE CABINET

2 compartments

**CONFORMITY**

- Warning labels in as per ISO 3864 norm and the european directive 92/58/CEE.

ADVANTAGES

- Anti-wild-storage sloping roof
- 2 independent compartments.
- Supplied with 4 labels to stick on according to your storage (Toxics, Flammables, Acids).
- Separation according to the dangerous product families
- To put on under-bench cabinet or wall mounted.

PASSIVE SECURITY

- Built in 10/10th steel.
- White epoxy paint RAL 9010.
- «Toxics», «Flammables» & «Acids» warning labels.
- 2 removable & perforated shelves to put on base trough (one for each compartment).
- 2 integrated bottom containment sump (90 mm height; cabinet (one for each compartment).

ACTIVE SECURITY

- High and low vents
- 2 doors.
- Self closing doors.
- Key locking system.



P/N	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage Capacity (L)	Containment Capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	Weight (kg)
AMS10M11	455 x 500 x 250	(2x) 295 x 195 x 215	8 (2x 4)	8 (2x 4)	2 (2x 1)	20	13

⁽¹⁾ Evenly distributed

RANGE 18



SAFETY CABINETS WITH GLAZED DOORS FOR TOXIC AND NOXIOUS PRODUCTS



CERTIFICATION

- In compliance with articles R.5132-66 and R.5138-66 of the health regulation.
- Large warning labels in compliance with ISO 3864, 92/58/CEE European directive and NF X08.003 norm.

ADVANTAGES

- Economic solution for dangerous products storage.
- Easy sight of the stored products thanks to glazed doors.
- Available in 2 versions, for toxic products or for noxious products.

PASSIVE SECURITY

- Built in steel 10/10th.
- White epoxy paint RAL 9010.
- «Toxic» or «Noxious» large warning labels.
- 3 adjustable shelves in height.
- 1 removable containment sump at the bottom (180 mm high).

ACTIVE SECURITY

- High opening vent Ø 100 mm with connecting piece for possible exhaust.
- 4 mm thick glazed door(s)
- Handling door(s) with key-locking system.

OPTIONS

- Additional shelf.
- Industrial absorbing mat (ref.:JF10D).



AJ4D *

* AJ3 + option ESAJ

WARNING! For safety reasons, refrain storing different chemical families in the same compartment.

Recycling AirBox Labopur - H50

Take advantage of Labopur's technology with any safety cabinet. Active coal filters absorption's capacity and filtration system are tested and certified NF X 15-211.



P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	W. (kg)
AJ3	One door cabinet for toxic products	1975 x 530 x 400	1920 x 510 x 380	150	19	3	60	75
AJ3D	Two doors cabinet for toxic products	1975 x 1000 x 400	1920 x 980 x 380	300	37	3	75	145
AJ4	One door cabinet for noxious/irritant products	1975 x 530 x 400	1920 x 510 x 380	150	19	3	60	75
AJ4D	Two doors cabinet for noxious/irritant products	1975 x 1000 x 400	1920 x 980 x 380	300	37	3	75	145
ESAJ	Additional shelf for one door cabinet	25 x 510 x 350	-	-	-	-	-	4
ESAJD	Additional shelf for two doors cabinet	25 x 980 x 350	-	-	-	-	-	8

⁽¹⁾ Evenly distributed

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 14.L**SECURE CABINETS FOR DANGEROUS PRODUCTS****CERTIFICATION**

- Large warning labels in compliance with ISO 3864, NF X08.003 norm and the European directive 92/58/CEE.

ADVANTAGES

- Especially designed for dangerous products storage in compliance with the regulation.
 - Inexpensive solution for your dangerous products storage.
 - Supplied with "Toxic", "Flammable", or "Acid (x2)" large warning labels following your needs (to stick on according to your storage).

PASSIVE SECURITY

- Built in steel 8/10th.
 - Grey epoxy paint RAL 7035.
 - Steel containment shelves adjustable in height (height: 50 mm; maximum load by shelf: 45 kg).

ACTIVE SECURITY

- High and low vents.
 - Steel base trough (height: 50mm).
 - Handling door(s) with key locking and integrated handle.

OPTIONS

- Additional steel containment shelf.
 - Protection shelf in PVC.
 - Perforated cover plate for containment shelf/sump.
 - Industrial absorbent mat (ref. JF10D).



For safety reasons, refrain storing different chemical families in the same compartment. Do not store high-corrosive products like sulfuric acid, nitric acid, hydrochloric acid...

P/N	Description	External dim. H x W x D (mm)	Internal dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number shelves/ retention	Maximum load by shelf ⁽¹⁾	W. (kg)
AL50	Working cover cabinet 1 door	1000 x 500 x 420	930 x 480 x 390	70	20	2	30	26
AL110	Working cover cabinet 2 doors	1000 x 920 x 420	930 x 900 x 390	135	40	2	50	40
AL150	Tall cabinet 1 door	1800 x 500 x 420	1730 x 480 x 390	130	40	4	30	41
AL300	Tall cabinet 2 doors	1800 x 920 x 420	1730 x 900 x 390	240	80	4	50	60
AL300J	Tall yellow cabinet 2 doors	1800 x 920 x 420	1730 x 900 x 390	240	80	4	50	60
ESAL150	Containment shelf/sump for cabinet 1 door	65 x 480 x 375	-	-	10	-	-	3
ESAL300	Containment shelf/sump for cabinet 2 doors	65 x 900 x 375	-	-	20	-	-	6
SEAL150	Containment shelf/sump in PVC for cabinet 1 door	-	-	-	10	-	-	2
SEAL300	Containment shelf/sump in PVC for cabinet 2 doors	-	-	-	20	-	-	3
CAL150	Perforated cover plate for cabinet 1 door	-	-	-	-	-	-	3
CAL300	Perforated cover plate for cabinet 2 doors	-	-	-	-	-	-	6
JF10D	Industrial absorbent mat, small and large widths (pack of 10 sheets)							1

⁽¹⁾ Evenly distributed

RANGE 14.T



SECURE CABINETS WITH SLIDING DRAWERS FOR DANGEROUS PRODUCTS



ALT150 ^



ALT300 ^



Locking system
drawers



Shelves/retention on
coulisants rails



Vents



Handle with
integrated lock



Fix on the wall
2 points

CERTIFICATION

- Large warning labels in compliance with ISO 3864, NF X08.003 norm and the European directive 92/58/CEE.

ADVANTAGES

- Sliding containment shelves for an easy access to the stored products.
- Locking system for the others drawers in the retracted position when one drawer is already pull-out.
- Possibility to fix on the wall.
- Supplied with "Toxic", "Flammable" or "Acid (2x)" large warning labels following your needs (to stick on according to your storage).

PASSIVE SECURITY

- Built in steel 8/10th.
- White grey paint RAL 7035.
- 3 steel sliding containment shelves (height: 50 mm; maximum load by shelf: 45 kg).
- 1 steel sliding containment sump (height: 80 mm).

ACTIVE SECURITY

- High and low vents.
- Handling door(s) with key locking and integrated handle.

OPTIONS

- Industrial absorbent mat (ref. JF10D).

P/N	Description	External dim. H x W x D (mm)	Internal dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves/retention	Maximum load by shelf ⁽¹⁾	W. (kg)
ALT150	Tall cabinet with drawers 1 door	1950 x 500 x 500	1880 x 470 x 470	150	47	3	30	72
ALT300	Tall cabinet with drawers 2 doors	1950 x 950 x 500	1880 x 920 x 470	300	94	3	50	102
ESALT150	Containment shelf/sump for cabinet 1 door						30	3
ESALT300	Containment shelf/sump for cabinet 2 doors						50	6
SEALT150	Containment shelf/sump in PVC for cabinet 1 door						-	2
SEALT300	Containment shelf/sump in PVC for cabinet 2 doors						-	3
JF10D	Industrial absorbent mat, small and large widths (pack of 10 sheets)						-	1

⁽¹⁾ Evenly distributed

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 11.A

CE



COMPARTMENTS SAFETY CABINETS



AB75 ▲



SV150 ▲



▲ SV90

CERTIFICATION

- Large warning labels in compliance with ISO 3864 norm and 92/58/CEE european directive.
- Fan with CE marking.

ADVANTAGES

- Possibility to separate the dangerous products families.
- Compartments customization on request.

PASSIVE SECURITY

- Built in steel 15/10th.
- Double wall door in steel 15/10th.
- White epoxy paint RAL 9010.
- «Toxics», «Flammables», «Bases» or «Acids» large warning labels.
- Steel containment shelves adjustable in height.
- Containment shelf in PVC for «Acids» compartment.
- 1 removable containment sump in steel for «Bases» compartment (except «Acids» compartment: base trough in PVC).

ACTIVE SECURITY

- High and low vents Ø 100 mm outlet (for possible external connection).
- Handling doors with key-locking system.
- Electric fan (only on AB75 models): 230 V - 50 Hz - 40 W - 0,2 A - 54 dB(A) (expect air flow) - Flow 156 m³/h - Protection : IP44.

OPTIONS

- Additional equipment for the «acids compartment» including PVC containment shelf/sump.
- Additional shelf.
- Industrial absorbent mat (ref. JF10D).



P/N	Description	Dimensions H x W x D (mm)	Compartment capacity		Number of shelves	Fan	Compartment type				Maximum load by shelf ⁽¹⁾	W. (kg)
			Storage (L)	Containment (L)								
AB75	High cabinet with fan	Ext. 2080 x 560 x 560 Int. (2x) 890 x 530 x 470	110 (2x 55)	70 (2x 35)	4	156 m ³ /h	x	x			50	75
AB75SC	High cabinet without fan	Ext. 1830 x 560 x 560 Int. (2x) 890 x 530 x 470				-	x	x			50	68
AS75SC	High cabinet without fan	Ext. 1830 x 560 x 560 Int. (2x) 890 x 530 x 470				-	x		x		50	68
SV90	High cabinet without fan	Ext. 1995 x 550 x 560 Int. (3x) 640 x 540 x 480	90 (3x 30)	84 (3x 28)	3	-	x	x	x		50	90
SV150	High cabinet without fan	Ext. 1830 x 1120 x 560 Int. (4x) 890 x 530 x 470	220 (4x 55)	140 (4x 35)	8	-	x	x	x	x	50	150
ES11A	Additional shelf in steel											2
SEPVC	Additional shelf in PVC for ES11A model											2
CASV150	Additional shelf in PVC for SV150 model											3

⁽¹⁾ Evenly distributed

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RANGE 13



VENTILATED SAFETY CABINETS FOR REAGENTS AND TOXIC PRODUCTS

CONFORMITY

- In compliance with the health regulation articles (R.5132-66 & R.5132-68).
- Large warning labels in compliance with ISO 3864,92/58/CEE European directive and NF X08.003 norm.

ADVANTAGES

- Integrated electric fan.
- Large storage capacity.

PASSIVE SECURITY

- Built in steel 10/10th.
- White epoxy paint RAL 9010.
- «Toxic» and «Noxious» large warning labels (to specify with your order).
- 3 containment shelves adjustable in height with rack system.
- Removable retention tank at the bottom of cabinet (100 mm height).

ACTIVE SECURITY

- Integrated electric fan : 220-240 volts - 0,1 A - 18 W; flow 90 m³/h; IPX4 protection ; sound level 37,5 Lp dB(A) (3m).
- Double handling doors with 3 points key-locking system.

OPTIONS

- Additional shelf.
- Additional containment shelf in PVC.
- Sliding drawer.
- «Poison» chests (see below)

«POISON» CHESTS

Can be used as wall mounted cabinets to store dangerous products or a poison chest in your safety cabinet ref MF4.

- Built in steel 10/10th.
- White epoxy paint RAL 9010.
- «Toxic» warning label in compliance with ISO 3864,92/58/CEE European directive and NF X08.003 norm.
- Shelves adjustable in height: 2 units for the model MF1 and 4 for the model MF2
- Handling door with key-locking system.
- Possibility to fix on the wall.
- Possibility to connect 2 models



▲ MF4 model with MF1 «poison» chest option



MF2 ▲



▲ MF1

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	W. (kg)
MF1	Poison chest 12 L	380 x 470 x 205	370 x 460 x 170	12	-	2	10	10
MF2	Poison chest 19 L	580 x 470 x 205	570 x 460 x 170	19	-	4	10	15
MF4	Cabinet with ventilation	1975 x 1000 x 500	1920 x 980 x 480	250	60	3	50	100
MF4SV	Cabinet without ventilation	1975 x 1000 x 500	1920 x 980 x 480	250	60	3	50	100
ESMF4	Additional shelf	-	-	-	-	-	-	6
SPMF4	Additional shelf in PVC	-	-	-	-	-	-	5
TCMF4	Sliding drawer	-	-	-	-	-	-	10

⁽¹⁾ Evenly distributed

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 11.B**EN 14470-1 EN 1363-1**

MULTIRISK CABINETS EN 14470-1

Type 90, 60, 30, 15 minutes

**CERTIFICATION**

- «Flammable compartment tested and approved according to EN 14410-1 (04/2044) norm.
- Large warning labels in compliance with ISO 3864, 92/58/CEE European directive, EN 14470-1 (04/2004) and NF X08.003 norm.

ADVANTAGES

- Allows segregated storage per product families.
- Fire resistance tested and approved by an independant European laboratory.
- «Corrosives» compartments built in cellular PVC, offering high chemical corrosion resistance.

SPECIFICATIONS

- Storage in 4 separate compartments with ventilation (Ø100) centralized on the cabinet roof (for possible connection).

«Flammables compartment EN 14770-1 :

- Double wall construction: outer housing made of sheet steel; inner body made of H.P.L (High pressure laminated) coated sheet.
- Thermal insulation panel between the walls avoiding thermal bridges.
- White epoxy paint RAL 9010.
- «Flammable» and «No open flame» large warning labels.
- Static ground connection.
- Opening vents with outlet Ø 100 mm for possible external connexion.
- In case of fire a thermo-fuse automatically seals off the ventilation system.
- Thermo-expanding seals off the door allow keeping the internal body fireproof.
- Self-locking door with cylinder lock.
- Key-locking system.
- Possibility to keep the door open. If the temperature rises to 50°C, a fuse link closes the door automatically.
- 3 adjustable containment shelves.
- Removable bottom containment sump.

«Acids» compartment :

- Built in white Cellular PVC/or melamine-based wood.
- «Bases» large warning label.
- High and low vent.
- Handling glazed door with key-locking system.
- 3 retention sliding drawers

«Bases compartment :

- Built in white Cellular PVC/or melamine-based wood.
- «Bases» large warning label.
- High and low vent..
- Handling glazed door with key-locking system.
- 1 retention sliding drawer.

**«Toxics» compartment :**

- Built in white Cellular PVC/or melamine-based wood.
- «Bases» large warning label.
- High and low vent..
- Handling glazed door with key-locking system.
- 1 retention sliding drawer.

Each compartment is divided in major and one (or two) secondary compartment (H 420 x W 110 x D 540 mm). The second one may be used for empty bottles storage. See table.

OPTIONS

- Additional shelf and perforated cover plate for «flammables» compartment.
- Additional base trough and shelf for secondary compartments.

P/N		Flammable compartment fireproof (minutes)	Outside dimensions H x W x D (mm)	W. (kg)	Major compartments details					Number of secondary compartment
Acids/Bases/Toxics compartment					Description	Inside Dimension H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of containment sump/ shelves	
Cellular PVC version	Melamine base wood									
MR9	MR9B	105	1950 x 1270 x 615	400	Flammables	1620 x 490 x 410	105	17	4	-
				395	Acids	870 x 467 x 540	55	51	3	2
MR6	MR6B	60		390	Bases	420 x 467 x 540	25	17	1	1
				385	Toxics	420 x 467 x 540	25	17	1	1
E79148		-	30 x 490 x 410	3	Additional shelf for «flammables» compartment					
C79148		-	90 x 480 x 400	4	Perforated cover plate to put into the retention tank of the «flammables»					
E8A2		-	84 x 457 x 482	6	Additional sliding drawer for major «acids», « bases », or «toxics» major					

N.B.: In compliance with the EN 14470-1 norm and for the extraction of toxic vapours generated inside your cabinet, an **exhausting system is required**. In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

RANGE 7.90M

EN 14470-1 EN 1363-1



EN 14470-1 MULTIRISK CABINETS – 105 MINUTES

CONFORMITY

- Tested and approved according to EN 14470-1 (04/2004) and EN 1363-1 (06/2000).
- Normalized labelling according to ISO 3864 and EN 14470-1 (04/2004) norms, and 92/58/CEE european directive.

ADVANTAGES

- Fire resistance during 105 minutes (approved Type 90) in accordance with ISO 834 fire heating curve.
- Tested and approved by an independent European laboratory.
- Possibility to separate the dangerous products families.

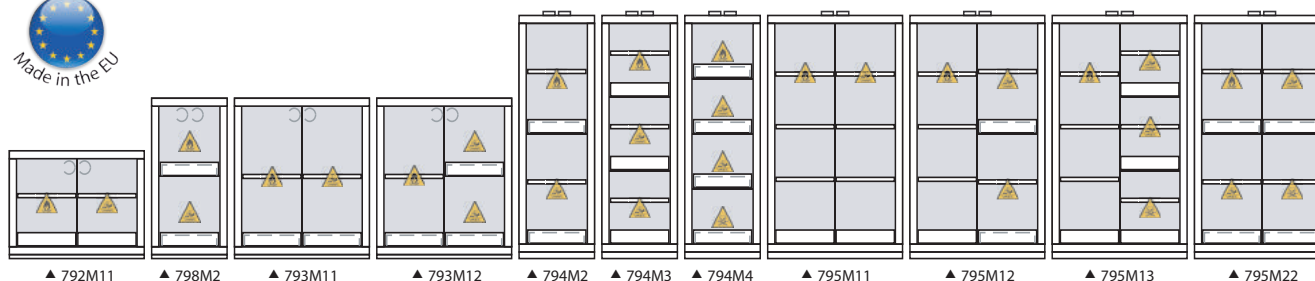
TECHNICAL DATA

Please check the technical data of flammable compartment Range 11.B. (previous page).

You can also check the technical data of multirisk cabinet 7.90M in Flammable cabinets section.



▲ 795M22 + 1x E79148



P/N	Description	Compartment type and storage capacity (L) ⁽¹⁾				Dimensions H x W x D (mm)	Delivered with			Maximum load by shelf ⁽²⁾	W. (kg)
							Containment shelves	Containment sump	Perforated cover plate		
792M11	Under-bench cabinet 2 doors with 2 compartments	28	28	-	-	670 x 1135 x 615	2	2	option	30	221
793M11	Working cover cabinet 2 doors with 2 compartments	55	55	-	-	1080 x 1135 x 615	2	2	2	30	311
793M12	Working cover cabinet 2 doors with 3 compartments	55	28	-	28	1080 x 1135 x 615	1	3	3	30	317
798M2	Working cover cabinet 1 door with 2 compartments	28	28	-	-	1080 x 635 x 615	-	2	2	30	194
794M2	Tall cabinet 1 door with 2 compartments	55	55	-	-	1880 x 635 x 615	2	2	2	30	304
794M3	Tall cabinet 1 door with 3 compartments	30	30	-	30	1880 x 635 x 615	3	3	option	30	307
794M4	Tall cabinet 1 door with 4 compartments	22	22	22	22	1880 x 635 x 615	-	4	4	30	320
795M11	Tall cabinet 2 doors with 2 compartments	120	120	-	-	1880 x 1135 x 615	6	2	option	30	477
795M12	Tall cabinet 2 doors with 3 compartments	120	55	-	55	1880 x 1135 x 615	5	3	2	30	486
795M13	Tall cabinet 2 doors with 4 compartments	120	28	28	28	1880 x 1135 x 615	6	4	option	30	489
795M22	Tall cabinet 2 doors with 4 compartments	55	55	55	55	1880 x 1135 x 615	4	4	4	30	497

⁽¹⁾ Compartments customization on request ⁽²⁾ Evenly distributed

N.B.: In compliance with the EN 14470-1 norm and for the extraction of toxic vapours generated inside your cabinet, **an exhausting system is required**. In all cases, before storing chemical products in combined risks cabinets, each user must contact his safety manager and his chemical products supplier. **Please, check our documentation about exhausting systems.**

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 08/2015

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 6

NF EN ISO 1182 CE

**UNDER-BENCH SAFETY CABINETS**

① SV50



② SV30 + 4RPV



(③+④) AB60 + 4RPV

CERTIFICATION

- In compliance with EN ISO 1182 (SV50 model).
- Large warning labels in compliance with ISO 3864 norm and 92/58/CEE european directive.
- Fan: CE marking (in option).

ADVANTAGES

- One cabinet for each type of chemical used.
- Possibility of connection between models (example: toxic + corrosive, see table) except for SV50 model.
- Especially designed to settle under the bench.

PASSIVE SECURITY

- Built in steel 15/10th (except ① SV50 model: built in steel 12/10th + 20 mm mineral fiber insulation).
- Double wall door in steel 12/10th (except ① SV50 model: double wall doors in steel 12/10th + 20 mm mineral fiber insulation).
- Epoxy paint : Yellow RAL 1023 (② flammable products); Blue RAL 5015 (③ corrosive products); White RAL 9010 (① solvent, ④ base products and ⑤ toxic products).
- Large warning labels.
- Adjustable steel retention shelf (⑤ corrosive models equipped with retention tray in PVC).
- Removable bottom containment sump (100 mm high; for «Corrosive» model ⑤, sump made in PVC); optional containment sump for SV50.

ACTIVE SECURITY

- High and low vents Ø 100 mm.
- Self-closing system of the door (except ① SV50 model).
- Doors with key-lock system.
- Adjustable feet (except ① SV50 model).

OPTIONS**All cabinets (except SV50 model):**

- 4 swivel castors (2 with locking) ref. 4 RVP.
- Electric fan for ③ «Acids», ④ «Base» and ⑤ «Toxic» models : 220-240 volts - 18 W - 0,1 A - 37,5 dB(A) (without airflow) - Flow: 90 m³/h - IPX4 protection - CEI 62.18 agreements (ref. M100/4).
- Power regulation box for fan (ref. BCDE).

SV50 model only:

- SECURITY kit (self-closing system of the doors + firebreak valve for air outlet) in option.



WARNING! The AC30 model should not be used with high corrosive products (sulfuric acid, nitric acid, phenol, hydrochloric acid) and requires an exhausting system to improve the life cycle. For high corrosive products storage please refer to our 8.A range (ref. APC31). For flammable products storage in laboratories refer to our brochure EN14470-1 Safety cabinets.

P/N	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽²⁾	Weight (kg)
① SV50 (flammables)	750** x 1000 x 450 **without feet height 670 mm	650 x 950 x 400	50	42	1	75	62
GL04	Option base trough in steel for SV50						5
SECURITE+	For SV50 model, self-closing system of the doors + firebreak valve for air outlet						
② SV30 (flammables)	670 x 550 x 500	650 x 530 x 470	30	28	1	50	30
③ AC30 (acids)	670 x 550 x 500	650 x 530 x 470	30	28	1	50	30
④ BA30 (bases)	670 x 550 x 500	650 x 530 x 470	30	28	1	50	30
⑤ TO30 (toxics)	670 x 550 x 500	650 x 530 x 470	30	28	1	50	30
③+④ AB60 (acids+bases)	670 x 1100 x 500	(2x) 650 x 530 x 470	60 (2x 30)	56 (2x 28)	2	50	60
③+② AS60 (acids+flammables)	670 x 1100 x 500	(2x) 650 x 530 x 470	60 (2x 30)	56 (2x 28)	2	50	60
④+② BS60 (bases+flammables)	670 x 1100 x 500	(2x) 650 x 530 x 470	60 (2x 30)	56 (2x 28)	2	50	60
③+⑤ AT60 (acids+toxics)	670 x 1100 x 500	(2x) 650 x 530 x 470	60 (2x 30)	56 (2x 28)	2	50	60
④+⑤ BT60 (bases+toxics)	670 x 1100 x 500	(2x) 650 x 530 x 470	60 (2x 30)	56 (2x 28)	2	50	60
②+⑤ ST60 (flammables+toxics)	670 x 1100 x 500	(2x) 650 x 530 x 470	60 (2x 30)	56 (2x 28)	2	50	60
③+④+② ABS90 (acids+bases+flammables)	670 x 1650 x 500	(3x) 650 x 530 x 470	90 (3x 30)	84 (3x 28)	3	50	90
③+④+②+⑤ ABST120 (acids+bases+flammables+toxics)	670 x 2200 x 500	(4x) 650 x 530 x 470	120 (4x 30)	112 (4x 28)	4	50	120
4RPV	4 swivel castors (2 with locking); height with castors: 745 mm						1
M100/4	Single-phase fan (90 m ³ /h -220 volts) for ③, ④ or ⑤ models						1
BCDE	Power regulation box for fan ref. M100/4						1

⁽¹⁾ Evenly distributed

SAFETY MATERIAL FOR STORAGE OF PESTICIDES AND CHEMICALS



Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range



Fume hoods, filtering cabinets - Ventilation



Containment and Cans



Anti-fire equipments and Files cabinets

Showers and first-aid equipments



SAFETY MATERIAL FOR STORAGE OF PESTICIDES AND CHEMICALS

GENERAL RULES:

Pesticides are usually poisonous, sometimes flammable or even extremely flammable liquids and can easily cause pollution. That is why national and European regulations (e.g. EurepGAP, Cross Compliance ...) have been set up to protect the ground water and the environment. In order to comply with the legislation and also to protect efficiently our environment, some fundamental rules have to be applied.

Safety rules for a legal and appropriate storage of pesticides:

Pesticides must be stored at a reasonable distance from water points, fragile crop, house lots, food (cattle food, vegetables), electrical wires ...

A Storage area can be either a bungalow, a container, a dedicated protected room or a safety cabinet. These storage areas or safety cabinets must be ventilated (technical or natural ventilation) and lockable. Furthermore, the doors of the cabinet have to open towards the front and they have to be absolutely leak proof (e.g. equipped with a base trough, or a retention tank). The safety cabinets must be unequivocally labeled, clearly marked with the stored product propriety with a normalized pictogram (according to ISO 3864 and the European Guideline 92/58/EEC). In addition, the pictogram should include relevant information (e.g. first-aid recommendations, emergency telephone numbers, indication "open fire prohibited"). First-aid equipment must be in reach ready to be used.

Appropriate storage of poisonous chemicals:

According to the law regulating pollution (WHG) and national regulations (they may vary from one country to another), storage must be organized in a manner that it cannot cause pollution.

Therefore:

- Pesticides must not leak from containers or from storage premises. A pesticide cabinet or sump must be equipped with a 100% leak-proof retention tank. It is strictly forbidden to equip a retention tank or sump with a faucet or any other opening device. Also, note that retention tanks should never be used for storage, unless you equip them with a perforated duckboard shelf. Note: in this case, you may use the duckboard shelf as an additional storage shelf.
- The retention tank must be adapted to the substances to be stored (media resistancy), avoiding alteration of the tank and causing possible leakage within time.
- The cabinet (or container) must be ventilated (10-fold change of air per hour).
- The retention tank or sump must contain 50% of the stored liquids, and / or at least the content of the largest container (whatever is greater).
- In protected areas (if storage is permitted!), 100% of the stored chemicals must be retained in a retention device.
- Pesticides should be stored in their original container – or marked with all necessary details (e.g. Product name, product specifications, warning signs, S- or R-phrases ...).
- It is very important to store the chemicals separately (by product families: e.g. flammables, hazardous liquids, acids, bases, etc.) avoiding reactions which could cause accidents.
- The empty containers of very poisonous products should be recycled according to national and local waste disposal regulations.

In this part of the catalog, you will find:

Secure cabinets for pesticides	Range 16.L
Secure cabinets for pesticides ready to be built	Range 16.K
Secure cabinets for pesticides	Range 16.E

RANGE 16.L



SECURE CABINETS FOR PESTICIDES



CERTIFICATION

- Large warning labels in compliance with ISO 3864 norm and 92/58/CEE european directive.

ADVANTAGES

- Allows a safety storage of your phytosanitary products
- Recommended for storage of herbicides, fungicides, insecticides and other phytosanitary products.
- Recommended for farmers, ranchers, growers, landscapers, growers, agricultural cooperatives, green spaces, community...

PASSIVE SECURITY

- Built in steel 8/10th.
- Grey epoxy paint RAL 7035.
- Warning labels.
 - Symbol «toxics»,

- Symbols of personal protective equipment,
- Telephone numbers of poison control centers,
- First-aid...
- Steel containment shelves adjustable in height (height: 50 mm; maximum load by shelf: 45 kg).
- 1 steel base through at the bottom (50 mm height).

ACTIVE SECURITY

- High and low vents.
- Double door with 2 key locking points.

OPTIONS

- Additional steel retention shelf.
- Protection shelf in PVC.
- Perforated cover plate for containment shelf/sump.
- Industrial absorbent mat (ref. JF10D).

Référence	Désignation	Dim. Extérieures H x L x P (mm)	Dim. Intérieures H x L x P (mm)	Capacité de stockage (L)	Capacité de rétention (L)	Nombre d'étagère/bac	Charge admissible par étagère ⁽¹⁾ (kg)	Poids (kg)
AL52	Working cover cabinet 1 door	1000 x 500 x 420	930 x 480 x 390	70	20	2	30	26
AL112	Working cover cabinet 2 doors	1000 x 920 x 420	930 x 900 x 390	135	40	2	50	40
AL152	Tall cabinet 1 door	1800 x 500 x 420	1730 x 480 x 390	130	40	4	30	41
AL302	Tall cabinet 2 doors	1800 x 920 x 420	1730 x 900 x 390	240	80	4	50	60
ESAL150	Containment shelf/sump for cabinet 1 door	65 x 480 x 375	-	-	10	-	-	3
ESAL300	Containment shelf/sump for cabinet 2 doors	65 x 900 x 375	-	-	20	-	-	6
SEAL150	Containment shelf/sump in PVC for cabinet 1 door	-	-	-	10	-	-	2
SEAL300	Containment shelf/sump in PVC for cabinet 2 doors	-	-	-	20	-	-	3
CAL150	Perforated cover plate for cabinet 1 door	-	-	-	-	-	-	3
CAL300	Perforated cover plate for cabinet 2 doors	-	-	-	-	-	-	6
JF10D	Industrial absorbent mat, small and large widths (pack of 10 sheets)							1

⁽¹⁾ Evenly distributed

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 16.K & 16.E



SECURE CABINETS FOR PESTICIDES

CERTIFICATION

- Large warning labels in compliance with ISO 3864 norm and 92/58/CEE european directive.

ADVANTAGES

- The cabinets insure safety, security and control of pesticides.
- Especially designed for pesticides and other agricultural chemical products.
- Farms, nurseries, parks and recreation facilities can safely store pesticides.



◀ APK302



AC300 ▶

PASSIVE SECURITY

- Built in steel 8/10th.
- Grey epoxy paint RAL 7035.
- Complete normalised label :
 - Normalised « toxic » label.
 - Normalised labels for individual equipment of protection.
 - Anti-poison centre phone numbers.
 - First-aid instructions.
- 4 adjustable containment shelves/sumps (50mm height).

ACTIVE SECURITY

- Hight and low vents.
- Double door with 2 key locking points.

OPTIONS

- Additional containment shelf.
- Industrial absorbent mat for containment sump (P/N JF10D).

Dismantled cabinets ready to be built (ref. APK152 and APK302).

PASSIVE SECURITY

- Built in steel :
 - Frame built in steel 8/10th,
 - Doors in steel 7/10th.
- Green epoxy paint RAL 6011.
- Complete normalised label :
 - Normalised « toxic » label.
 - Normalised labels for individual equipment of protection.
 - Anti-poison centre phone numbers.
 - First-aid instructions.
- 4 adjustable containment shelves/sumps (50mm height).

ACTIVE SECURITY

- Hight and low vents.
- Double door with key locking.

OPTIONS

- Additional containment shelf/sump (ref. ESAC150 or ESAC300, see model).
- Perforated cover plate for retention shelf/base through (ref. CAC150 or CAC300, see model).
- Industrial absorbing mat (ref. JF10).
- Drilling for a connection to a forced ventilation system (ref. AZVENT), supplied with a sleeve Ø 100 mm (must be ordered with the cabinet is essential).

P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	Containment capacity (L)	Volume (m³) Ext. / Int.	Maximum load by shelf ⁽¹⁾	Weight (kg)
APK152	Cabinet ready to be built 1 door	1800 x 500 x 422	1680 x 475 x 352	40	0,4 / 0,3	50	33
APK302	Cabinet ready to be built 2 doors	1800 x 916 x 422	1680 x 891 x 352	80	0,7 / 0,5	50	55
AC150	Pesticide cabinet with 1 door	1950 x 500 x 500	1840 x 498 x 453	40	0,5 / 0,4	80	55
ESE150	Additional shelf for AC150	50 x 488 x 443	-	10	-	-	6
CE150	Caillebotis pour ESE150	50 x 483 x 438	-	-	-	-	5
AC300	Pesticide cabinet with 2 doors	1950 x 930 x 500	1840 x 928 x 453	80	0,9 / 0,8	80	90
ESE300	Additional shelf for AC300	50 x 918 x 443	-	20	-	-	12
CE300	Perforated cover plate for ESE300	50 x 913 x 438	-	-	-	-	10
AZVENT	Opening for vent system (must be ordered with the cabinet)						-
JFD10	Industrial absorbent mat for retention tank						1

⁽¹⁾ Evenly distributed

NF X 15-211 FUME HOODS LAMINAR FLOW CLEAN BENCHES BIOLOGICAL SAFETY CABINETS FILTERING CABINETS AND VENTILATION



Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE H**NF** X 15-211 class 2

DUCTLESS FUME HOODS Labopur®

NF X 15-211 - MAY 2009 - CLASS 2

WHY SHALL WE USE AN ENCLOSURE WITH RECIRCULATING AIR FILTRATION SYSTEM?

When you are using chemicals, your health might be in danger due to the emanation of harmful and toxic vapors. To protect yourself and your close environment, you must manipulate your products in an enclosure using recirculating air filtration (formerly Enclosure for Toxics using Recirculating Air Filtration or ETRAF) equipped with a molecular filter or either particulate filter (HEPA filter) nor both filters.

WHY SHALL WE CHOOSE AN ENCLOSURE LABOPUR® WITH RECIRCULATING AIR FILTRATION?

Following its wide experience with safety cabinets and storage of dangerous products, ECOSAFE-leading manufacturer of safety cabinets-uses its entire technical knowledge to design and manufacture its fume hoods LABOPUR®. Made in EU, the ductless fume hoods LABOPUR® stand out by a high manufacturing quality and finition. The entire process being controlled with the European standard ISO 9001 -2008.

Ductless fume hoods LABOPUR® provide the user a secured work space for the repetitive manipulations of small chemicals quantities. The dangerous vapours are confined in the enclosure, then are cleaned while entering the active charcoal filter. Finally, dangerous vapors are rejected in the atmosphere without danger for the environment. Thus, the user's health is protected.



CERTIFICATION

Ductless fume hoods LABOPUR® were approved to the NF X 15-211 - may 2009 norm, by independent laboratories:

- The **MAPE** laboratory (itself approved to the ISO CEI 17025 norm by the COFRAQ) has approved the filtration part of the NF X 15-211.
- **DANTEC DYNAMYCS** approved the containment part of the NF X 15-211 norm.
- **ADM LABO SERVICES**: filter tightness and integrity testing (HEPA filter).

LABOPUR® ductless fume hoods are controlled according to quality process and procedures defined by the repository of international quality standard ISO 9001-2008, at the end of the assembly line and before their shipping to the user in order to assure a perfect functioning and efficiency.

**ADM Labo Services**

RANGE H

NF X 15-211 class 2



Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

NORMS

NF X 15-211 French norm- may 2009:

NF X 15-211 French norm is the most demanding regulation today. It guarantees to the use a full safety allowing him to focus on his manipulations.

Enclosures for toxic LABOPUR® using recirculating air filtration are classified according to 2 security levles :

- class 1: enclosure with safety reserve
- class 2: enclosure without safety reserve, the most common

Enclosures LABOPUR® using recirculating air filtration belongs to the class 2 :

- P type: particle filtration
- VP type: vapours
- PV type: particle & vapours filtration

Ductless fume hoods LABOPUR® are recirculating air filtration enclosures from the class 2 which could be fitted, depending on the model, with filter for particles or for vapours or both.

To be in as per this standard, air filtration fume hood LABOPUR® have to meet multiple criteria (summary) :

- the enclosure must be provided with a ventilation device to maintain the air speed with a rate between 0,4 m/s and 0,6 m/s.
- rejection, downstream the filter, of 50% of the VLEP (occupational exposure limit value) of toxics treated in the enclosure in the duration of normal filter use.

- the enclosure must have been tested by an approved and independent laboratory.
- the class 2 enclosure have to be equipped with a sound or visual alarm activated every working 60 hours and also a sampling outlet device.

- the class 2 enclosures must not reject more than 50% of the VME downstream the filter during the detection test.

WHY USING ACTIVATED CARBON ?

Activated carbon is an extremely porous black carbon allowing the absorption of molecules from chemicals thanks to the high degree of microporosity (less than 2 µm).

Based on the chemicals you have to filter, activated carbon can be impregnated to improve the absorption capacity. A specific impregnation could fit for one product and be unadapted for another one.

WHY USING HEPA FILTER ?

Hepa filter (High Efficiency Particulate Air) is an air filter with a very high efficiency.

The Hepa filtration efficiency is controlled and approved according to the norm NF EN 1822 and divided into 5 efficiency classes. The H14 Hepa filter which is the most efficient will stop 99,97% of the particles with a diameter equal or bigger than 0,3 µm.



You will also find in this chapter :

Labopur® Ductless Fume Hoods	NF X 15-211 - may 2009	Range H
Labopur® Ductless fume hoods for powders	NF X 15-211 - may 2009	Range H
Labopur® Ductless fume hoods for dangerous powders and vapours	NF X 15-211 - may 2009	Range H
Labopur® Ductless Fume Hoods and Storage Cabinets - PMSF	NF X 15-211 - may 2009	Range H
Labopur® Filtering Ventilation Safety Cabinets (Active coal filters absorption's capacity and filtration system tested and certified NF X 15-211)	NF X 15-211 - may 2009	Range 12.X
Labopur® Filtering Ventilation Safety Cabinets (Active coal filters absorption's capacity and filtration system tested and certified NF X 15-211)	NF X 15-211 - may 2009	Range 14.X
Labopur® Recycling Air Box (Active coal filters absorption's capacity and filtration system tested and certified NF X 15-211)	NF X 15-211 - may 2009	Range H
Atex ventilation boxes « with filter option »	ATEX Zone II	Range V
Ventilation and filtration boxes	ISO 3744	Range V

RANGE H**NF** X 15-211 class 2

DUCTLESS FUME HOODS Labopur®

NF X 15-211 - MAI 2009 - CLASS 2



ADVANTAGES

User's optimal protection:

- Our fume hoods have been approved within the standard NF X 5-211 by an independent laboratory.
- Vapors are confined in the manipulation enclosure after being eliminated through the molecular filter.
- A front sampling outlet allows you a fast and reliable control of the filter saturation.
- A warning lamp located in facade insures you of the good functioning of the system of ventilation/filtration.
- The silent electric fans included in our hoods are in as per the E.U. specifications.
- A front control window indicates immediately if the filter is in place and well adapted to your work.
- A retention tank integrated under the work-top allows to get back liquids in case of accidental droppings.

Save time and energy :

- Our hoods are delivered ready to use (already mounted). All you have to do is to plug them to a power supply device.
- No connecting evacuation, no civil engineering needed (if the hood is fitted with a filter).
- It is not necessary to heat or cool the air within the workroom.

Confort of use:

- The transparent wall sides of the fume hood offer an optimal lighting of the work-top and a direct sight of the working products.
- The ergonomic hand traps allow secure and easy manipulations in the enclosure.
- Protective caps allow you to insert power cables of your devices into the fume hoods.
- Silent fan within our hoods allow a higher concentration for your work.
- Easy replacement of the active coal-based filter. Few minutes are enough.

TECHNICAL DATA

(see also the following pages)

- 15/10th steel construction.
- White epoxy painting RAL 9010 with high resistance against chemicals.
- Polycarbonate glazed walls.

RANGE H

NF X 15-211 class 2



Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

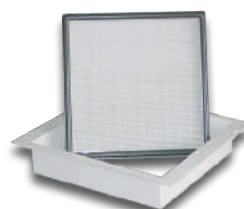
Anti-fire equipments and File cabinets

Showers and first-aid equipments



▲ H410 + CORG401 (draining board)

Need to put your ductless fume hood on a draining board with a sink? **Use a model without bottom.**



HEPA
H14 ready

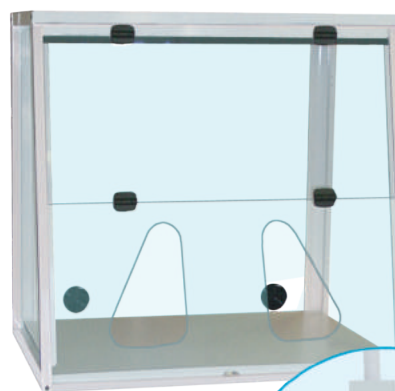
▲ H201 + SH200 + HEP 200 + CORG201

To handle powders you should use a ductless fume hood labopur with **H14 Hepa filter**. You can also add an **activate carbon filter** for vapors.

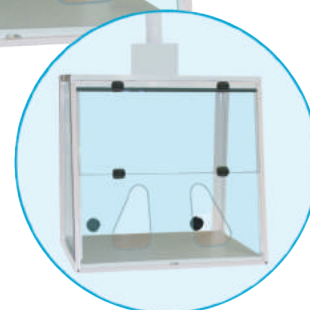


▲ H400 + TR34 + CORG401

For a better mobility or to clear your draining board you can put your hood on a labopur **trolley**.



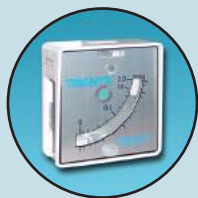
▲ BH400



▲ BH400 + CDV-A + KRC

No need of active carbon filter? **Use a model with one connection to the outside** (for exemple with one CDV-A box).

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2014

RANGE H**NF** X 15-211 class 2**STANDARD EQUIPMENTS****AIR VELOMETER**

According to the French standard NF X 15-211, your hood is supplied with an air velometer. It allows you to check permanently the velocity of the air in facade and verify that the fume hood works in depression guaranteeing the flow of vapours through the filter.

**PROTECTIVE CAPS**

All of our fume hoods are equipped with protective caps allowing to easily insert power cable supplies or gas for instance.

**TIMER**

The standard timer supplied with your hood indicates you, all the time, the total use duration of your hood. After programming, every 60 hours, a sound alarm invites you to check the saturation of the active coal filter.

**MELAMINE BASED WOOD WORK-TOP**

A work-top is supplied with every fume hood. Manufactured in melamine based wood, it offers an excellent resistance to chemicals attacks. A tempered glass work top is optional.

**RETENTION TANK**

A retention tank is placed under each work-top being part of the fume hood. In case of leak or of accidental reversal, treated liquids are retained. To clean it, you just need to lift the work-top and use an «absorbent».

**TRANSPARENT WALLS**

Our fume hoods are delivered with transparent walls on every face offering you a light work surface. Suitable for exhibitions.

**SAMPLING OUTLET**

A front sampling outlet gives you the opportunity to check quickly and in a reliable way the saturation level of your active charcoal filter, thanks to the manual pump and reactive tubes.

**ABSORBED PRODUCTS BOOKLET**

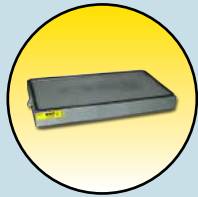
Following the standard NF X 15-211, your hood is delivered with a CD-Rom information guide regarding the absorption capacity of the active coal filter in relation with various chemicals.

OPTIONAL EQUIPMENTS**TEMPERED GLASS WORK-TOP**

Willing to treat extremely aggressive products? Choose a tempered glass work-top instead of a H.P.L. top (in standard within the LABO-PUR hoods).

**FILTERALARM**

The optional Filteralarm gives you the opportunity, thanks to an electronic device, to measure the air velocity and so, allows and warns you in case the filter sealing or any disfunction of the air stream with a sound alarm.

**ACTIVE COAL FILTERS AND HEPA H14 FILTERS**

The fume hoods are delivered without active coal filters and/or HEPA H14 filters. You must select one depending on your chemicals used. Consult our active coal filters selection guide.

**MANUAL PUMP AND REACTIVE TUBES**

TAKE CARE OF YOUR HEALTH ! Check your active coal filter saturation thanks to the manual pump and reactive tubes. We offer you a wide range of reactive tubes depending on your products used.

**LIGHTING**

We offer you a lighting setting within your hood to enlighten your working area. It's all for your comfort.

RANGE H

NF X 15-211 class 2



Labopur® TABLE / TROLLEY CABINET

TABLE/TROLLEY CABINET ►

- Made of steel 15/10th; White epoxy paint RAL 9010.
- 1 adjustable shelf.
- 1 removable base trough on the bottom.
- Self closing wing doors with handles and locks.
- Large warning labels.
- 4 swivel table rollers (2 with jamming system).

P/N	Dimensions H ⁽¹⁾ x W x D (mm)	Maximum load by shelf ⁽¹⁾	Weight (kg)
TA20	Ext. 860 x 610 x 620	50	32
	Int. 735 x 600 x 420		
TA34	Ext. 860 x 820 x 620	50	43
	Int. 735 x 795 x 420		
TA50	Ext. 860 x 905 x 745	50	54
	Int. 735 x 895 x 545		
TA135	Ext. 860 x 1005 x 740	50	61
	Int. 735 x 995 x 540		

⁽¹⁾Height without rollers: 800 mm ⁽²⁾ Evenly distributed



TA20

◀ TROLLEY

- Made of steel 15/10th
- White epoxy paint RAL 9010.
- 1 adjustable shelf (the depth of shelf is equal to $\frac{3}{4}$ of the depth of trolley).
- 4 swivel table rollers (2 with jamming system).

P/N	Dimensions H ⁽²⁾ x W x D (mm)	Maximum load by shelf ⁽¹⁾	Weight (kg)
TR20	860 x 610 x 620	50	28
TR34	860 x 820 x 620	50	37
TR50	860 x 905 x 745	50	46
TR135	860 x 1005 x 740	50	51
TR235	860 x 1305 x 740	50	65
TR335	860 x 1600 x 740	50	78

⁽¹⁾Height without rollers: 800 mm ⁽²⁾ Evenly distributed

TUBULAR TABLE/TROLLEY ►

- Made of steel 15/10th; White epoxy paint RAL 9010.
- Available with foots or with 4 swivel table rollers (2 with jamming system).

P/N	Type	Dimensions H ⁽³⁾ x W x D (mm)	Weight (kg)
TTF20	With foots	860x670x680	9
TTR20	With rollers		10
TTF34	With foots	860x865x680	12
TTR34	With rollers		13
TTF50	With foots	860x965x805	15
TTR50	With rollers		16
TTF135	With foots	860x1065x800	17
TTR135	With rollers		18
TTF235	With foots	860x1365x800	22
TTR235	With rollers		23

⁽³⁾Height without rollers: 800 mm.



TTR34

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 08/2015

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

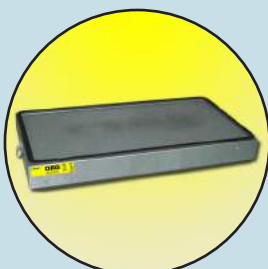
Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

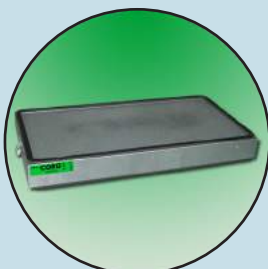
RANGE H**NF** X 15-211 class 2

ACTIVE CHARCOAL FILTERS AND HEPA H14 FILTER

ACTIVE CHARCOAL FILTERS



▲ ORG200



▲ CORG201

Our filters are made with the best active charcoal. In order to offer the best guarantees, the quality of filters absorption was tested and approved by an independent laboratory. Every active charcoal filter is provided with a double anti-dust filter to insure an optimal filtration quality. Your health is protected. We offer you 3 filter types: one dedicated to organic vapors, one «Universal» for corrosive and organic vapors and one for formaldehyde vapors.

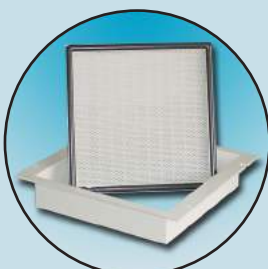
We offer 3 standard filters :

- typ ORG for organic vapors,
- typ CORG for corrosive and organic vapors (also called universal),
- typ FOR for formaldehyde vapors

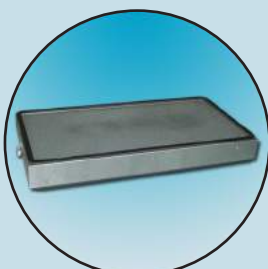
CORG filter absorbs a large majority of commonly used chemicals : organic and inorganic acids, solvents and organics. This filter can be used in most cases.

We also offer **specialized and impregnated filters**, for example, for manipulation of specific chemicals. If you need further information please do not hesitate to contact-us.

HEPA H14 FILTER AND HEPA FILTER FRAME



▲ SH200 + HEP200



▲ CAR200

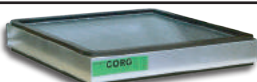
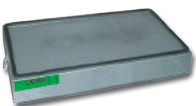
When handling chemical powders, you have to use a standard particulate filter called HEPA. To guarantee the highest filtration efficiency, we choose a HEPA filter type H14 approved to the EN 1822 standards. In order to receive a HEPA filter, your ductless fume hood must be fitted with a dedicated frame type SH.

Your powders filter may need to be complemented by an additional active coal filter to provide you the best security and efficiency.

If you want use your ductless fume hood for powders only, a specific kit should be taken. For further information, please refer to the paragraph «Kit for using ductless fume hood without active charcoal filter».

N.B. : We deliver ductless fume hood only with either an activated carbon filter or a connecting kit for use without activated carbon filter (CAR).

ACTIVE COAL FILTERS SELECTION GUIDE

	Kind of filter	Filter for vapors	P/N from 2011	Weight (kg)	For	P/N before 2011
Fume Hoods						
	 H 70 x W 390 x D 390 (mm)	Organic	ORG50	8	Range H Fume hoods : H60	-
		Polyvalent ⁽¹⁾	CORG51	9		-
		Formaldehyde	FOR50	8		-
		Ammonia	AMM50	8		-
	 H 70 x W 545 x D 380 (mm)	Organic	ORG200	11	Range H Fume hoods : H200, H201 H210, H211 PMSF200	ORG200
		Corrosive	CORG201	11,5		COR200
		Polyvalent ⁽¹⁾	CORG201	11,5		CORG201
		Formaldehyde	FOR200	12		-
		Ammonia	AMM200	12		-
	 H 70 x W 730 x D 380 (mm)	Organic	ORG300 ORG400 ORG1300 ORG2300	16	Range H Fume hoods : H300, H301, H310, H311, H400, H401, H410, H411, H1300, H1301, H1310, H1311, H2300, H2301, H2310, H2311, PMSF400, PMSF1300, PMSF2300	ORG300 ORG400 ORG1300 ORG2300
		Corrosive	CORG301 CORG401 CORG1301 CORG2301	15		COR300 COR400 COR1300 COR2300
		Polyvalent ⁽¹⁾	CORG301 CORG401 CORG1301 CORG2301	15		CORG301 CORG401 CORG1301 CORG2301
		Formaldehyde	FOR300 FOR400 FOR1300 FOR2300	16		-
		Ammonia	AMM300 AMM400 AMM1300 AMM2300	16		-
		Organic	ORG500 ORG1500 ORG2500 ORG3500	22	Range H Fume hoods : H500, H501, H510, H511, H1500, H1501, H1510, H1511, H2500, H2501, H2510, H2511, H3500, H3501, H3510, H3511, PMSF1500	ORG500 ORG1500 ORG2500 ORG3500
		Corrosive	CORG501 CORG1501 CORG2501 CORG3501	23		COR500 COR1500 COR2500 COR3500
		Polyvalent ⁽¹⁾	CORG501 CORG1501 CORG2501 CORG3501	23		CORG501 CORG1501 CORG2501 CORG3501
		Formaldehyde	FOR500 FOR1500 FOR2500 FOR3500	24		-
		Ammonia	AMM500 AMM1500 AMM2500 AMM3500	24		-
	 (2x) H 70 x W 545 x D 380 (mm)	Organic	ORG500 ORG1500 ORG2500 ORG3500	22		ORG500 ORG1500 ORG2500 ORG3500
		Corrosive	CORG501 CORG1501 CORG2501 CORG3501	23		COR500 COR1500 COR2500 COR3500
		Polyvalent ⁽¹⁾	CORG501 CORG1501 CORG2501 CORG3501	23		CORG501 CORG1501 CORG2501 CORG3501
		Formaldehyde	FOR500 FOR1500 FOR2500 FOR3500	24		-
		Ammonia	AMM500 AMM1500 AMM2500 AMM3500	24		-
		Organic	ORG203	13	Compliant with MF3-AS	ORG203
		Corrosive	CORG203	13	Compliant with MF3-BE	CORG203
		Polyvalent ⁽¹⁾	CORG203	13	Compliant with MF3-F	-
		Formaldehyde	FOR203	13	Compliant with MF3-K	-
		Ammonia	AMM203	13	Compliant with MF4-AS	ORG303
	 H 100 x W 565 x D 405 (mm)	Organic	ORG303	15	Compliant with MF4-AS	ORG303
		Corrosive	CORG303	16	Compliant with MF4-BE	CORG303
		Polyvalent ⁽¹⁾	CORG303	16	Compliant with MF4-F	-
	 H 100 x W 755 x D 405 (mm)	Formaldehyde	FOR303	16	Compliant with MF4-K	-
		Ammonia	AMM303	16	Compliant with MF4-K	-
		Specific, contact-us.	Don't forget, we are able to provide specialised filters for specific applications for fume hoods, filtering ventilation cabinets, filtration boxes... in standard manufacturing and in specific manufacturing, contact-us for more information.			

⁽¹⁾ organic + corrosive. CORG polyvalent active coal filters can adsorb the most common chemical products used: organic and inorganic acids, organic compounds or solvents.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2015

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

RANGE H**NF** X 15-211 class 2

Labopur® DUCTLESS FUME HOOD

SELECTION GUIDE

Step 1	Step 2	Step 3		You order the following article				Model equipped (if available)	
Choose your ductless fume hood	Do you want a base trough and work top?	You manipulate		Ductless fume hood model	Filters				
					Particulate filter HEPA H14 model	Active coal filter model	Must have accessories		
Explanation made on our H200	YES	Liquids	Organics	H200	-	ORG200	-	H204	
			Corrosives and/or Organics	H200	-	CORG201 ⁽¹⁾	-	H205	
			Formaldehyde	H200	-	FOR200	-	H203	
		Powders		H201	HEP200	CAR200	SH200	H206	
		Powders + Liquids	Organics	H201	HEP200	ORG200	SH200	H209	
			Corrosives and/or Organics	H201	HEP200	CORG201 ⁽¹⁾	SH200	H207	
			Formaldehyde	H201	SH200	FOR200	SH200	H208	
		NO	Liquids	Organics	H210	-	-	-	-
				Corrosives and/or Organics	H210	-	-	-	-
				Formaldehyde	H210	-	-	-	-
	Powders		H211	HEP200	CAR200	SH200	-		
	Powders + Liquids		Organics	H211	HEP200	ORG200	SH200	-	
			Corrosives and/or Organics	H211	HEP200	CORG201 ⁽¹⁾	SH200	-	
			Formaldehyde	H211	HEP200	FOR200	SH200	-	

N.B : If you take a ductless fume hood with a HEPA H14 filter but without an active coal filter you must take a «Kit for using without active coal filter» model CAR with a «H14 Hepa filter frame» model S.H

⁽¹⁾ The latest generation CORG filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic, solvents and organic.

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RANGE H

NF X 15-211 class 2



DUCTLESS FUME HOOD AND STORAGE CABINET WITH RECIRCULATING AIR: PMSF

Use and store your chemicals in the same place

The storage cabinet is connected to the fume hood in order to **extract** and purify the fumes from both items. Thus, the **vapors** of the cabinet and the fume hood are **purified** while being pulled through the active charcoal filter, then **rejected into the atmosphere**.

The PMSF Workstation includes :

1. A DUCTLESS FUME HOOD

tested and approved by an independent laboratory according to the new NF X 15-211 – may 2009 – Class 2 norm

Concerning the technical characteristics of our ductless fume hood, please consult our lapobur catalogue.

2. AN ACTIVE COAL FILTER «CORG»⁽¹⁾

Our new «Universal» charcoal filter

The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories: organic and inorganic acids, solvents and organics. This filter is perfectly mainstream and covers the major chemicals.



PMSF200 :
H200
+ TA20
+ KRPMSE
+ CORG201



PMSF400 : H400 + TA34 + KRPMSE + CORG401

3. A TABLE/TROLLEY STORAGE CABINET

according to the regulations

- Built in steel 15/10th.
- White epoxy paint RAL 9010.
- Self closing wing doors with handles and locks.
- Large warning labels in compliance with ISO 3864 NF X 08.003, norms and the European directive 92/58/CEE.
- 1 adjustable shelf/
- 1 removable retention tank on the bottom.
- 4 swivel castors (2 with locking).
- High and low vents (high outlet connected to the fume hood)

WE remind that we can propose specific charcoal filters depending on your applications.

P/N	Ductless Fume Hood	Table/Trolley Storage Cabinet	Connecting kit	Active coal filters
PMSF200	= H200	+ TA20	+ KRPMSE	+ CORG201
PMSF300	= H300	+ TA34	+ KRPMSE	+ CORG301
PMSF400	= H400	+ TA34	+ KRPMSE	+ CORG401
PMSF500	= H500	+ TA50	+ KRPMSE	+ CORG501
PMSF1300	= H1300	+ TA135	+ KRPMSE	+ CORG1301
PMSF1500	= H1500	+ TA135	+ KRPMSE	+ CORG1501

⁽¹⁾ The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.

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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE H**NF** X 15-211 class 2**Labopur®**

Model with base trough and H.P.L. work-top compatible with active carbon filter		H200	H300	H400
Model without base trough and H.P.L. work-top compatible with active carbon filter		H210	H310	H410
HEPA H14 ready	Model « HEPA H14 ready » with base trough and H.P.L. work-top and working with an H14 Hepa filter and / or active carbon filter ⁽²⁾	H201	H301	H401
HEPA H14 ready	Model « HEPA H14 ready » without base trough and H.P.L. work-top and working with an H14 Hepa filter and / or active carbon filter ⁽²⁾	H211	H311	H411
Model with base trough and H.P.L. work-top for connection to the outside (with for example a CDV-A) ⁽⁶⁾		BH200	BH300	BH400
Outside dimensions (mm)	H	950/800 ⁽⁵⁾	700/550 ⁽⁵⁾	950/800 ⁽⁵⁾
	W	615	800	800
	D	620	620	620
Inside dimensions (mm)	H	755/625 ⁽⁴⁾	505/375 ⁽⁴⁾	755/625 ⁽⁴⁾
	W	575	760	760
	D	575/475	570/425	575/475
Inside volume of enclosure (m ³)		0,21	0,18	0,28
Average face velocity (m/s)		0,5	0,5	0,5
Nominal voltage (volts)		220-240	220-240	220-240
Power input (watts)		47	47	47
Amps absorbed (A)		0,2	0,2	0,2
Sound level dB(A) (without air flow)		49	49	49
Flow (m ³ /h)		202	202	202
Weight (kg)		34	33	44

Standard equipments

Protective caps	4	4	4
Air velometer	included	included	included
Absorbed products electronic booklet	included	included	included
Timer	included	included	included
Sampling outlet	included	included	included
Transparent outlet	included	included	included
Containment sump ⁽¹⁾	included	included	included
Melamine-based wood work-top ⁽¹⁾	included	included	included

Optional equipments

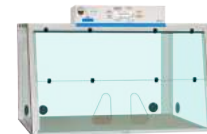
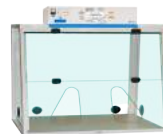
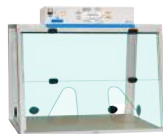
Tempered glass work-top	PL20	PL34	PL34
Trolley with one adjustable shelf	TR20	TR34	TR34
Height with castors: 860 mm; Height without castors: 800 mm			
Cabinet/trolley with shelf and removable base trough	TA20	TA34	TA34
Height with castors: 860 mm; Height without castors: 800 mm			
Lighting	LU20	LU34	LU34
Manual pump	PMAF	PMAF	PMAF
Reactive tubes	contact-us	contact-us	contact-us
Filtralarm	SFA2	SFA2	SFA2
HEPA H14 ready			
H14 Hepa filter frame ⁽³⁾	SH200 (4 kg)	SH300 (4 kg)	SH400 (4 kg)
H14 Hepa filter for powder	HEP200 (1,6 kg)	HEP300 (1,6 kg)	HEP400 (1,6 kg)
Active carbon filter for organic vapors	ORG200 (11 kg)	ORG300 (16 kg)	ORG400 (16 kg)
« Universal » active carbon filter for organic and corrosive vapors	CORG201 (11,5 kg)	CORG301 (15 kg)	CORG401 (15 kg)
Active carbon filter for formaldehyde vapors	FOR200 (12kg)	FOR300 (16 kg)	FOR400 (16 kg)
Kit for using with one H14 Hepa filter but without active carbon filter	CAR200 (2kg)	CAR300 (3 kg)	CAR400 (3 kg)
PMSF Ductless fume hood for organic and corrosive vapors	PMSF200 (78 kg)	PMSF300 (91 kg)	PMSF400 (102 kg)

⁽¹⁾ Items that can not be used with models without base trough and H.P.L. work-top.
⁽²⁾ If you want to use an H14 Hepa filter for powder you have to choose an H14 Hepa filter (HEP) and the frame (SH). If you don't want to use activated carbon filter, you have to select a connecting kit for use without activated carbon, typ CAR.

Please remember that for each specific application we can provide filters.

RANGE H

NF X 15-211 class 2



H500	H1300	H1500	H2300	H2500	H3500
H510	H1310	H1510	H2310	H2510	H3510
H501	H1301	H1501	H2301	H2501	H3501
H511	H1311	H1511	H2311	H2511	H3511
BH500	BH1300	BH1500	BH2300	BH2500	BH3500
1170/1020 ⁽⁵⁾	1170/1020 ⁽⁵⁾	1170/1020 ⁽⁵⁾	1170/1020 ⁽⁵⁾	1170/1020 ⁽⁵⁾	1170/1020 ⁽⁵⁾
900	1000	1000	1300	1300	1600
740	740	740	740	740	740
975/845 ⁽⁴⁾	975/845 ⁽⁴⁾	975/845 ⁽⁴⁾	975/845 ⁽⁴⁾	975/845 ⁽⁴⁾	975/845 ⁽⁴⁾
860	960	960	1260	1260	1560
695/595	695/595	695/595	695/595	695/595	695/595
0,52	0,59	0,59	0,77	0,77	0,95
0,5	0,5	0,5	0,5	0,5	0,5
220-240	220-240	220-240	220-240	220-240	220-240
40	47	40	47	40	40
0,2	0,2	0,2	0,2	0,2	0,2
2x 43	49	2x 43	49	2x 43	2x 43
2x 86	202	2x 86	202	2x 86	2x 86
55	60	61	78	79	97

4	4	4	4	4	4
included	included	included	included	included	included
included	included	included	included	included	included
included	included	included	included	included	included
included	included	included	included	included	included
included	included	included	included	included	included
included	included	included	included	included	included
included	included	included	included	included	included

PL50	PL135	PL135	PL235	PL235	PL335
TR50	TR135	TR135	TR235	TR235	TR335
TA50	TA135	TA135	-	-	-
LU50	LU135	LU135	LU235	LU235	LU335
PMAF	PMAF	PMAF	PMAF	PMAF	PMAF
contact-us	contact-us	contact-us	contact-us	contact-us	contact-us
SFA2	SFA2	SFA2	SFA2	SFA2	SFA2
SH500 (4 kg)	SH1300 (4 kg)	SH1500 (4 kg)	SH2300 (4 kg)	SH2500 (4 kg)	SH3500 (4 kg)
HEP500 (1,6 kg)	HEP1300 (1,6 kg)	HEP1500 (1,6 kg)	HEP2300 (1,6 kg)	HEP2500 (1,6 kg)	HEP3500 (1,6 kg)
ORG500 (22 kg)	ORG1300 (16 kg)	ORG1500 (22 kg)	ORG2300 (16 kg)	ORG2500 (22 kg)	ORG3500 (22 kg)
CORG501 (23 kg)	CORG1301 (15 kg)	CORG1501 (23 kg)	CORG2301 (15 kg)	CORG2501 (23 kg)	CORG3501 (23 kg)
FOR500 (24 kg)	FOR1300 (16 kg)	FOR1500 (24 kg)	FOR2300 (16 kg)	FOR2500 (24 kg)	FOR3500 (24 kg)
CAR500 (4kg)	CAR1300 (3 kg)	CAR1500 (4 kg)	CAR2300 (3 kg)	CAR2500 (4 kg)	CAR3500 (4 kg)
PMSF500 (132 kg)	PMSF1300 (136 kg)	PMSF1500 (145 kg)	-	-	-

⁽³⁾ Element that can only be fixed on the «HEPA ready» and has to be completed with a HEPA H14 filter powder (HEP) and eventually a kit for use without an activated carbon filter (typ CAR).

⁽⁴⁾ Inside High for model «HEPA ready» with the H14 Hepa filter frame (typ SH).

⁽⁵⁾ Outside High for model type BHxxx with connection to the outside.

⁽⁶⁾ Models with one connection to the outside are not in compliance with the NF X 15-211 norm.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2014

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

NOTES

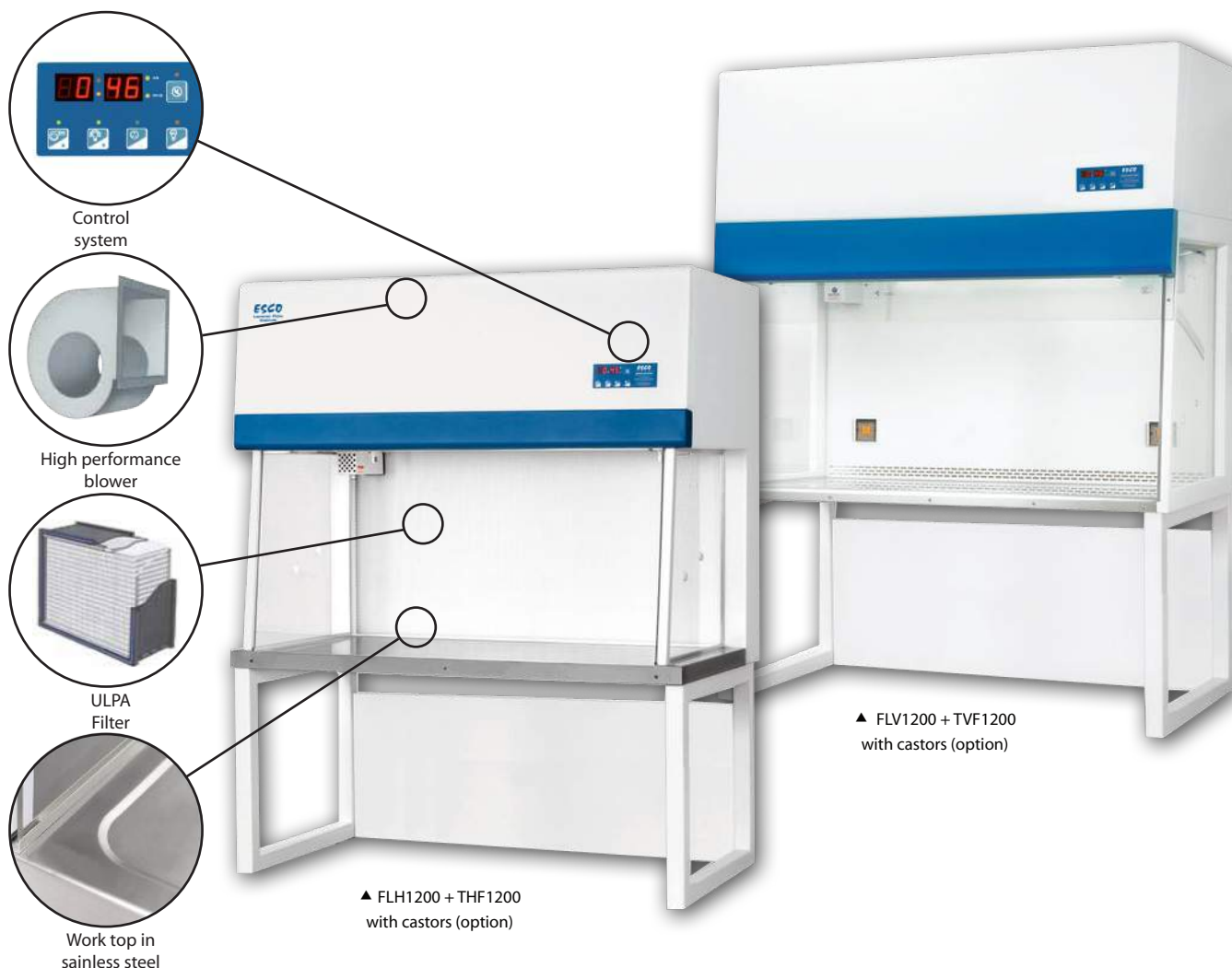
The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations.

RANGE H**EN** 12469 **ISO** 14644-1 class 3

LAMINAR FLOW CLEAN BENCHES, HORIZONTAL AND VERTICAL

Flammable
cabinetsCorrosive
cabinetsToxic cabinets
and multiriskPesticide
rangeFume hoods, filtering
cabinets - VentilationContainment
and CansAnti-fire equipments
and File cabinetsShowers and first-
aid equipments

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INTRODUCTION

Laminar flow clean benches are designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive device. Air is drawn through a ULPA filter and blown in a very smooth, laminar flow towards the user. Such hoods exist in both horizontal and vertical configurations.

Laminar Fumehood are equipped with a germicidal UV lamp to sterilize the workplace when do not work on it. But you must switch off this light while you are working, as it will burn your skin and generate cataracts to your eyes. Nothing can be stored in the fumehood to allow the sterilization

CONFORMITY

- Cabinet performance : EN 12469 (type-tested for cross contamination and product protection using the microbiological testing methods adapted from this biological safety cabinet standard) and IESTRP-CC002 norms.

- Air Quality: ISO 14644-1 Class 3 norm.

- Filtration: EN 1822 (H14), IEST-RP-CC001, IEST-RP-CC007 and IESTRP-CC034 norms.

Electrical safety: IEC 61010-1 and EN 61010-1 norms.

ADVANTAGES

- ULPA filters tested to a typical efficiency of >99.999% for 0.1 to 0.3 micron particles are superior to HEPA filters.
- Stainless steel work surface with a curved front edge is designed for maximum operator comfort.
- Lighting provides excellent illumination of the work zone and reduces operator fatigue.
- All surfaces painted with an antimicrobial coating.

TECHNICAL DATA

- Built in galvanized steel with anti-bacteria epoxy paint.
- Work top in 304 stainless steel.
- Anti-UV tempered glass side panels.
- Control system to switch on/off light and to control the airflow.

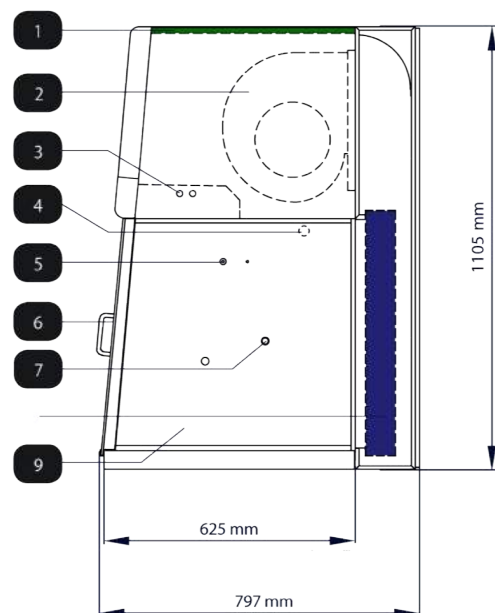
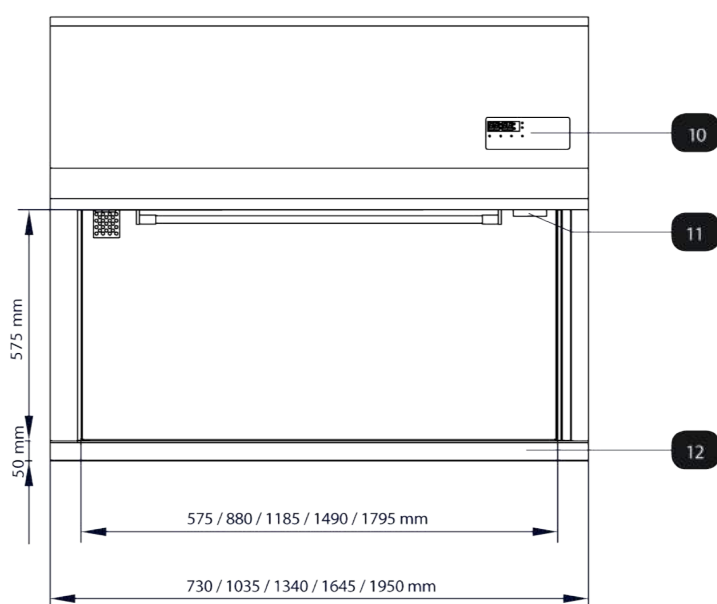
ADDITIONAL OPTIONS - Contact-us

- Germicidal UV lamp and transparent front cover (LUH/LUV).
- Electrica outlet (PEH/PEV).
- Petcok for air, gas and vaccum (ROH/ROV).
- Tubular table with castors.

RANGE H**EN 12469 ISO 14644-1 class 3****LAMINAR FLOW CLEAN BENCHES, HORIZONTAL****OPERATING PROCESS**

Air is taken in from above the cabinet and passed through a ULPA filter. Air is then going through the main chamber of the clean bench. In a horizontal laminar (unidirectional) air stream and is exhausted through

the front opening of the cabinet. In horizontal laminar flow clean benches there is a slightly reduced level of turbulence compared to vertical flow clean bench due to the airflow not striking the work surface.



- | | | |
|------------------------------------|---|---|
| 1. Pre-filter | 6. Front cover (option) | 10. Control system |
| 2. Blower | 7. Service fixture Retrofit Kit provision (2 penetrations on each side) | 11. Standard electrical outlet Retrofit Kit provision |
| 3. Fluorescent lamp | 8. ULPA filter | 12. Stainless steel work top |
| 4. UV light Retrofit Kit provision | 9. Tempered glass side panels | |
| 5. IV bar Retrofit Kit provision | | |

P/N		FLH900	FLH1200	FLH1500
Outside dimensions	H	1105	1105	1105
	W	1035	1340	1645
	D	797	797	797
Inside dimensions	H	575	575	575
	W	880	1185	1490
	D	625	625	625
Inside volume of enclosure (m³)		0,55	0,74	0,94
Average velocity (m/s)		0,45	0,45	0,45
Nominal voltage (volts)		220-240	220-240	220-240
Power input (watts)		228	312	380
Amps absorbed (Ampères)		2	2	2
Sound level dB(A) (without air flow)		55	57	59
Flow (m³)		815	1100	1380
Weight (kg)		125	150	160
Fluorescent lamp intensity (Lux)		1490	1680	1390

Standard equipments

Fluorescent lamp	included	included	included
Control system	included	included	included
ULPA filter	included	included	included

Optionnal equipments

ULPA filter replacement	ULH900	ULH1200	ULH1500
Tubular table (hauteur : 860 mm)	THF900	THF1200	THF1500

RANGE H

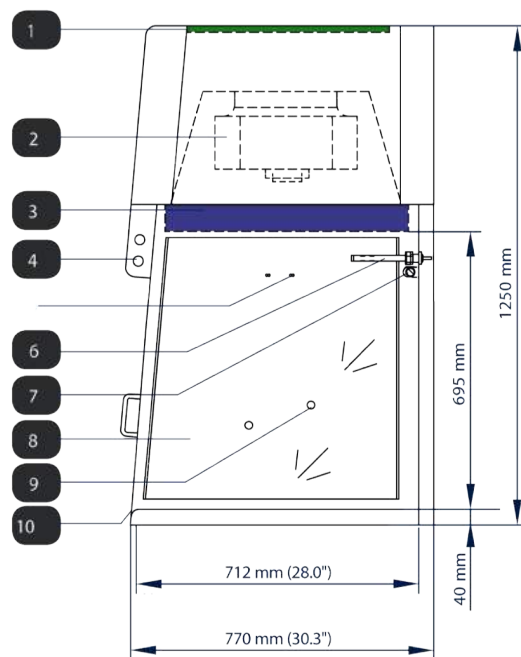
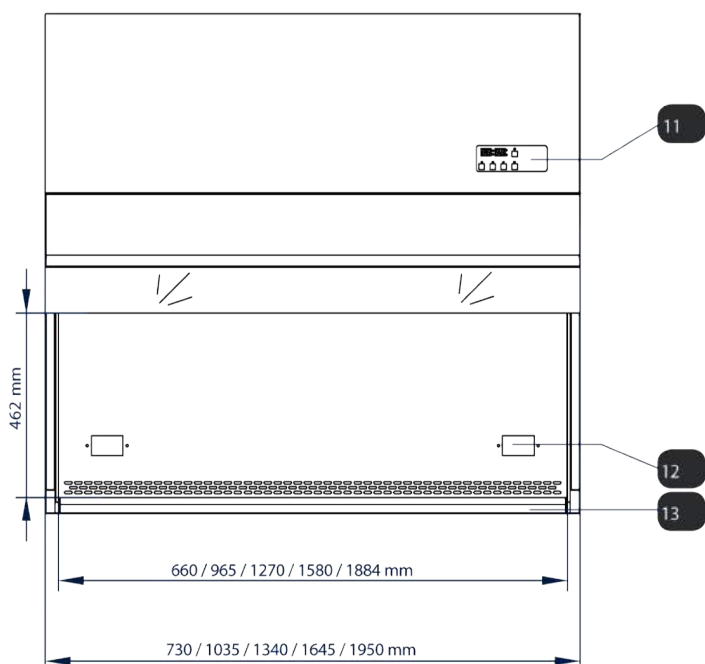
EN 12469 ISO 14644-1 class 3

LAMINAR FLOW CLEAN BENCHES, VERTICAL

OPERATING PROCESS

Air is taken in from above the cabinet and passed through a ULPA filter. Air is then going through the main chamber of the clean bench. In a vertical laminar (unidirectional) air stream and is exhausted

through the front opening of the cabinet. Vertical laminar flow clean benches generate less turbulence around large pieces of equipments as compared to horizontal laminar flow clean benches.



- | | | |
|----------------------------------|---|--|
| 1. Pre-filter | 6. Airflow & temperature sensor | 10. Front cover (option) |
| 2. Blower | 7. UV light Retrofit Kit provision | 11. Control system |
| 3. ULPA filter | 8. Tempered glass side panels | 12. Electrical outlet Retrofit Kit provision |
| 4. Fluorescent lamp | 9. Service fixture Retrofit Kit provision (2 penetrations on each side) | 13. Stainless steel work top |
| 5. IV bar Retrofit Kit provision | | |

P/N		FLV900	FLV1200	FLV1500
Outside dimensions	H	1250	1250	1250
	W	1035	1340	1645
	D	770	770	770
Inside dimensions	H	695	695	695
	W	965	1270	1580
	D	712	712	712
Inside volume of enclosure (m³)		0,59	0,79	0,98
Average velocity (m/s)		0,45	0,45	0,45
Nominal voltage (volts)		220-240	220-240	220-240
Power input (watts)		294	333	340
Amps absorbed (Ampères)		2	2	2
Sound level dB(A) (without air flow)		55,5	56,5	57
Flow (m³)		903	1204	1506
Weight (kg)		127	152	171
Fluorescent lamp intensity (Lux)		970	1110	890

Standard equipments

Fluorescent lamp	included	included	included
Control system	included	included	included
ULPA filter	included	included	included

Optionnal equipments

ULPA filter replacement	ULV900	ULV1200	ULV1500
Tubular table (hauteur : 860 mm)	TVF900	TVF1200	TVF1500

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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE H**EN 12469 ISO 14644-1 Class 3**

BIOLOGICAL SAFETY CABINET - CLASS 2

USE AREA

Through the manipulation of micro-organisms or products of pathogens, it should implement a protection of the operator and the environment. Ambient air is drawn directly through perforations located towards the work plan. It does not contaminate the clean room air handling. He then joined the latter contaminated air. These combined air are then returned to about 32% outward job security, to advance through a HEPA filter to protect the operator and 68% to the working chamber also passing through a HEPA filter to protect the elements manipulated. The air inflow and downflow combined and form an effective barrier preventing contaminated air from entering the working chamber but also contaminated air out of the chamber.

CONFORMITY

- Performance security post: EN 12469.
- Air Quality: ISO 14644-1 Class 3.
- Filtration: EN 1822 (H14), IEST-RP-CC034, IEST-RP-CC007 and IEST-RP-CC001 norms.
- Electrical Safety: IEC 61010-1 and EN 61010-1 norms.

ADVANTAGES

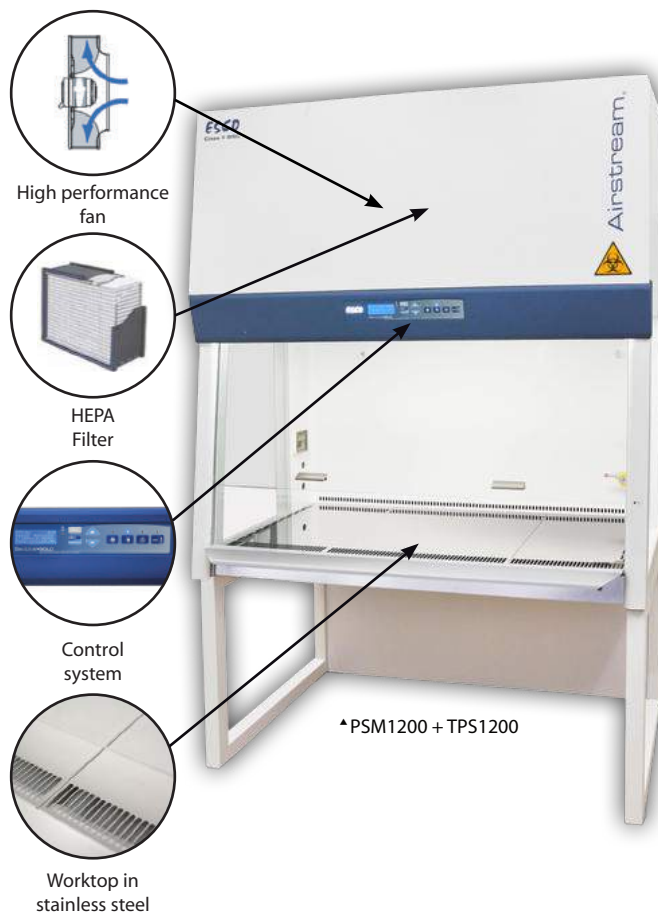
- HEPA filter with a filtration efficiency of 99.999% of particles between 0.1 and 0.3 microns by providing increased protection.
- Plan of multi-piece stainless steel work allows access to simplify the work surface to be decontaminated.
- Large opening of the protective glass improving access to the area of handling without compromising safety.
- UV absorbing tempered glass (5mm), colorless and transparent.

TECHNICAL SPECIFICATIONS

- Built in galvanized steel with antimicrobial epoxy paint.
- Worktop in stainless steel.
- Walls transparent tempered glass.
- Control panel including the speed of air flow.

ADDITIONAL OPTIONS - Contact us

UV germicidal lamp • Electrical outlets • Faucet small diameter for water, gas or vacuum tube • Tabular table.



P/N		PSM900	PSM1200	PSM1500
Outside dimension	H	1400	1400	1400
	W	1035	1340	1645
	D	753	753	753
Inside dimension	H	660	660	660
	W	915	1220	1525
	D	580	580	580
Inside volume of enclosure (m³)		0,35	0,47	0,58
Average velocity (m/s) - inflow / downflow		0,45 / 0,30	0,45 / 0,30	0,45 / 0,30
Nominal voltage (volts)		220-240	220-240	220-240
Power input (watts)		291	289	333
Amps absorbed (Ampères)		2	2	2
Sound level dB(A) (without air flow)		58	59	59
Air flow volume (m³) - Inflow / Downflow / Exhaust		270 / 563 / 270	356 / 741 / 356	440 / 916 / 440
Weight (kg)		125	150	160
Fluorescent lamp intensity (Lux)		1279	1404	1227

Standard equipments

Fluorescent lamp	included	included	included
Control system	included	included	included
HEPA filter	included	included	included

Optionnal equipments

HEPA filter replacement	ULP900	ULP1200	ULP1500
Tabular table (hauteur : 860 mm)	THF900	THF1200	THF1500

RANGE H**NF** X 15-211 Class 2

Labopur® - MINI-DUCTLESS FUME HOOD



Timer



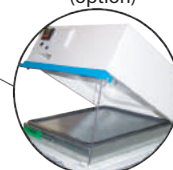
Control window



Hand traps in soft PVC



Filteralarm (option)



Easy replacement



Containment sump

CONFORMITY

- Active coal filters absorption's capacity and filtration system are tested and certified NF X 15-211.
- Electric fans are in conformity with european specification CE.

ADVANTAGES

- Labopur's technology.
- To place on a bench or on a workbench.
- Vapours are confined in the manipulation enclosure after being eliminated through the molecular filter.
- Warning light insures of good functioning of the ventilation system.
- Front control window indicates immediately if the filter is inside and well adapted to your needs.
- High efficiency active coal filter specialized and treated following products stored in compliance with NF X 15-211.
- Dust-protecting pre-filter, efficiency 92% for particles < 3 µm.
- Easy replacement of the active coal filter.
- The standard timer supplied with your recycling air box indicates the total use of your box. After programming, every 60 hours, a sound alarm invites you to check the saturation of the active coal filter.
- Integrated base trough at the bottom to get back liquids in case of accidental droppings.
- No connecting evacuation, no civil engineering needed (if the hood is fitted with a filter).
- Our hoods are delivered ready to use (already mounted). All you have to do is to plug them to a power supply device.
- Adjustable leveling feet for enhance stability.

TECHNICAL SPECIFICATIONS

- Made of steel 12/10th.
- Epoxy painting : white RAL 9010, blue RAL 5015.
- Soft and silent electrical fan: 220-240 volts - 20 watts, 0,1 A, 43 db (A) (excluding air flow) - Airflow 86 m3/hour - Protection: IP54.
- Wall sides and hand traps made of soft PVC.

OPTIONS

- **Active coal filter :** boxes are provided without active coal filter. You have to select one kind of filter in the boarding bellow, in as per the stored products.
- **Kit for using without active carbon filter.**
- **Control of filter saturation level by FILTERALARM:** Control by sensor. Electronic board mesuring the airflow through the filter. Adjustment allowing detection for filter sealing or airflow troubles. The sound system underlines a dysfunction. Warning light indicator.
- **Control of filter saturation level by REACTIVE TUBES:** Control port on the front of the box. Easy using of specialized reactive tubes. Using of manual pump for testing. Control of efficiency of the filter by reading color codes of reactive tubes.

We remind you that you can use filter for specific applications.

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x L x P (mm)	Weight (kg)
H60	Mini-ductless fume hood (delivered without filter)	605 x 505 x 485	410 x 455 x 445	25
ORG50	Active coal filter for organic vapors	70 x 390 x 390	-	8
CORG51	Polyvalent ⁽¹⁾ active coal filter for corrosive and organic vapors	70 x 390 x 390	-	9
FOR50	Active coal filter for formaldehyde vapors	70 x 390 x 390	-	9
CAR50	Kit to use without filter	70 x 390 x 390	-	2
SFA2	Filteralarm (need to be ordered with the mini-ductless fume hood)	-	-	-
PMAF	Manual pump	-	-	0,4
TROR	Pack of 10 reactive tubes for organic tests	-	-	0,1
TRAC	Pack of 10 reactive tubes for corrosive tests	-	-	0,1
TROA	Pack of 5 reactive tubes for organic test and 5 reactive tubes for corrosive tests	-	-	0,1

⁽¹⁾ The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.

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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

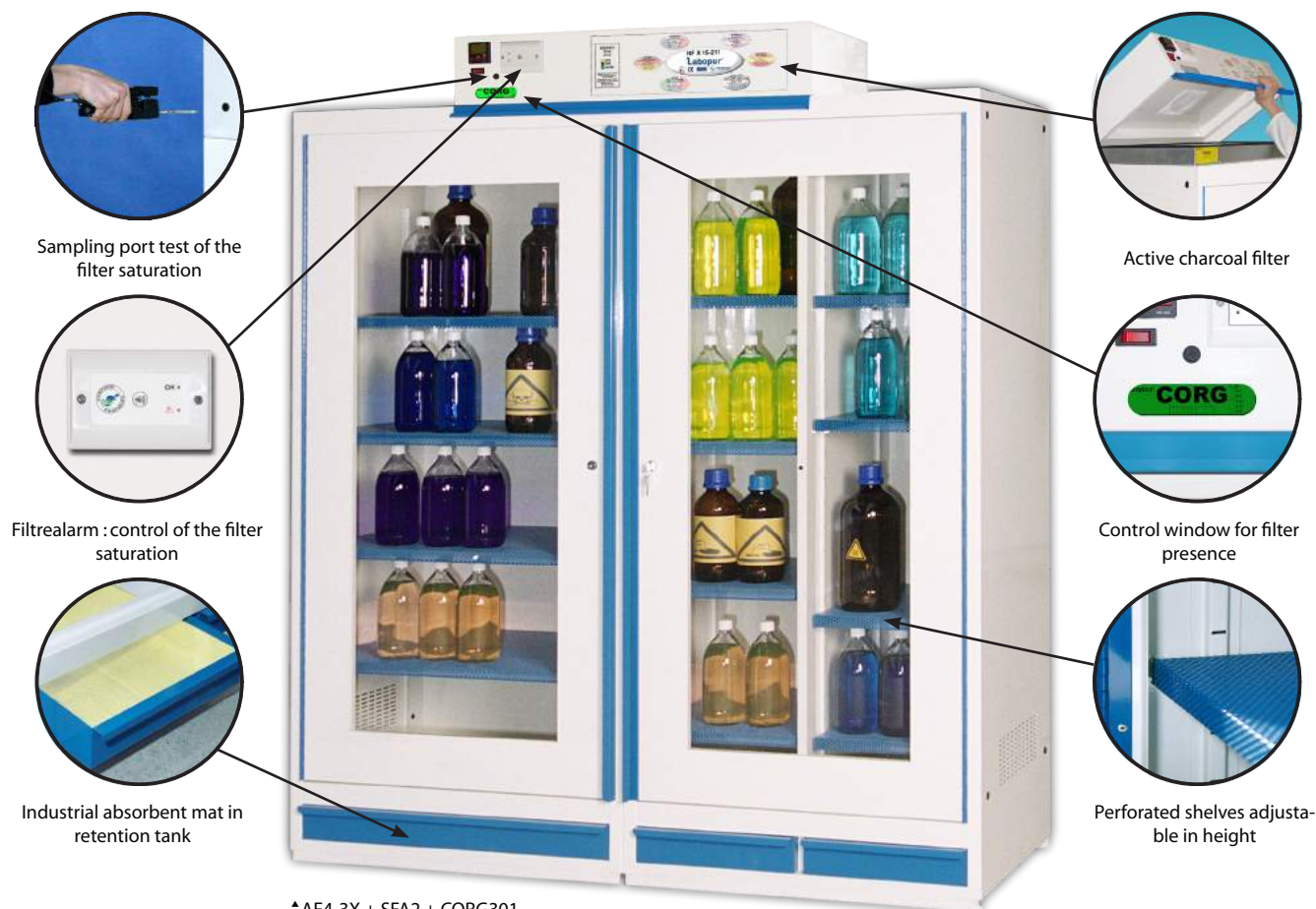
Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE 12.X CE

FILTERING VENTILATION SAFETY CABINETS



*AF4-3X + SFA2 + CORG301

CERTIFICATION

- Adsorption capacity in compliance with the NF X 15-211.
- Large warning labels in compliance with ISO 3864 norm and 92/58/CEE european directive.
- Electric fan in compliance with CE specifications

ADVANTAGES

- Cabinet delivered ready to use.
- Independent cabinet ensuring perfect security.
- Elimination of dangerous vapours.
- No need to connect to a central exhaust system. No modification of building structure required.
- Easy sight of the stored products.
- Perforated shelves allowing liquids flow in case of discharge.
- Ventilation system with lighting control.
- Window control for presence of the filter adapted to your needs.
- Specialised high efficiency active charcoal filter, in compliance with the NF X 15-211 norm, treated following chemical products stored.
- Dust pre-filter, 92% efficiency with more than 3 µm particles.
- Easy replacement of the active coal filter.
- Hour meter continuously indicating the total duration of the cabinet's use. After programming, beep will indicate, after 60 hours, that it is necessary to control the saturation of the activated carbon filter.

TECHNICAL CHARACTERISTICS

Storage compartment:

- Built in 15/10th steel. Double doors construction (AF1X : frame in high pressure laminated).
- Large glazed door with framing.
- White epoxy pain (RAL 9010).
- Perforated shelves adjustable in height.
- Double air inlet at the bottom.
- Bottom containment drawer/sump with absorbing mat.

Ventilation/filtration compartment:

- Noiseless fan : 220-240 volts - 50 Hz; flow: 202 m³/h; 0,2 A; 47 watts; sound level 49 dB(A) (without airflow); delivered with cable and plug.

OPTIONS (see also table on the following page)

- Additional shelf

- Active charcoal filters:

- The cabinets are delivered without active charcoal filter. You must select one depending on your chemicals stored.

- **Control of filter saturation level by FILTRALARM:** Control lead • Monitoring system to control the air velocity across the filter • Adjustment allowing the detection of filter saturation level and faulty air flow • Sound alarm indicating a malfunction in the device • Visual alarm system.

- **Control of filter saturation level by REACTIVE TUBES:** Control port on the side of the cabinet • Use of a manual pump • Control of efficiency of active coal filter's saturation level by observing the tubes.

WARNING: Filter must be changed at least once a year.

WALL MOUNTED OR STACKABLE FILTERING VENTILATION CABINET

This cabinet designed for storage of dangerous products may be fixed on a wall or settled on a bench or a low piece of furniture.

Available in two versions: AF10 ▶



AF10 : Cabinet with ventilation/filtration system (3 compartments)

AF11 : Cabinet without ventilation/filtration system (1 compartment)

RANGE 12.X



▲AF1X

▲AF2X

▲AF2-2X

▲AF4-2X

▲AF4-3X

▲AF4-4X

Model compatible with active carbon filter	AF1X	AF2X	AF2-2X	AF4-2X	AF4-3X	AF4-4X	AF10	AF11
HEPA H14 ready Model « HEPA H14 ready » compatible with an H14 HEPA filter and / or active carbon filter	AF1X1	AF2X1	-	-	-	-	-	-
Outside dimensions (mm)	H	1900	1900	1900	1950	1950	1950	850
	W	800	800	800	1600	1600	1600	810
	D	545	545	545	545	545	545	325
Inside dimensions (mm)	H	1500	1660	1660	1660	1660	(2x) 535 + (1) 250	535
	W	760	780	(2x) 380	(2x) 780	(1x) 790 + (2x) 380	(4x) 380	(2x) 385 + (1x) 300
	D	500	500	500	500	500	500	(2x) 275 + (1x) 305
Compartments	1	1	2	2	3	4	3	1
Number of shelf	4	4	8 demi	8	4+8 demi	16 demi	2	1
Number of containment sump	1	1	2	2	3	4	2	1
Storage capacity (L)	with 4 shelves	140	140	120	280	260	240	
	with 5 shelves	180	180	150	360	330	360	
Maximum load by shelf ⁽¹⁾	60	60	40	60	60 + 40	40	20	20
Weight (kg)	115	140	150	280	290	300	50	35
Active carbon filter For organic vapours	ORG300 (16 kg)	ORG300 (16 kg)	ORG300 (16 kg)	ORG300 (16 kg)	ORG300 (16 kg)	ORG300 (16 kg)	CDFORG (4 kg)	-
« Universal » active carbon filter for organic and corrosive vapours	CORG301 (15 kg)	CORG301 (15 kg)	CORG301 (15 kg)	CORG301 (15 kg)	CORG301 (15 kg)	CORG301 (15 kg)	CDFCORG (4 kg)	-
Active carbon filter for formaldehyde vapours	FOR300 (16 kg)	FOR300 (16 kg)	FOR300 (16 kg)	FOR300 (16 kg)	FOR300 (16 kg)	FOR300 (16 kg)	CDFFOR (4 kg)	-
Kit for using without an active carbon filter	CAR300 (3 kg)	CAR300 (3 kg)	CAR300 (3 kg)	CAR300 (3 kg)	CAR300 (3 kg)	CAR300 (3 kg)	-	-
HEPA H14 ready H 14 HEPA filter frame	SH300	SH300	-	-	-	-	-	-
HEPA H14 ready H14 HEPA filter for powders	HEP300	HEP300	-	-	-	-	-	-

Please remember that for each specific application we can provide filters.

Filtralarm	SFA2	SFA2	SFA2	SFA2	SFA2	SFA2	SFA2	SFA2
Manual pump	PMAF	PMAF	PMAF	PMAF	PMAF	PMAF	PMAF	PMAF
Pack of 10 reactive tubes for « organic tests »	TROR	TROR	TROR	TROR	TROR	TROR	TROR	TROR
Pack of 10 reactive tubes for « corrosive tests »	TRAC	TRAC	TRAC	TRAC	TRAC	TRAC	TRAC	TRAC
Pack of 5 reactive tubes for « organic tests » and 5 for « corrosive tests »	TROA	TROA	TROA	TROA	TROA	TROA	TROA	TROA
Additional shelf (H25 x L780 x P500 mm) for AF1X – AF1XH – AF2X – AF2XH – AF4-2X – AF4-3X	ESAF2X	ESAF2X	-	ESAF2X	ESAF2X	-	-	-
Additional half-shelf (H25 x L370 x P500 mm) for AF2-2X – AF4-3X – AF4-4X	-	-	ESAF2-2X	-	ESAF2-2X	ESAF2-2X	-	-

⁽¹⁾Evenly distributed

N.B.: Our ORG300 and CORG301 filters can not be used with AF2, AF2-2, AF4-2, AF4-3, AF4-4 and AF1 cabinets. You can only use these filters with AF2X, AF2-2X, AF4-2X, AF4-3X, AF4-4X and AF1X cabinets. The cabinets are delivered without active charcoal filter and / or without H14 HEPA filter. You must select one depending on the stored chemicals. CAUTION! The active charcoal filter must be changed at least once a year.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2015

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and File cabinets

Showers and first-aid equipments

RANGE 14.X

CE



FILTERING VENTILATION SECURE CABINETS

►
AF5-2X
+CORG51



◀
AF3X
+CORG51



CERTIFICATION

- Adsorption capacity in compliance with the NF X 15-211 norm.
- In compliance with the health regulation articles (R.5132-66 and R.5132-68).
- In compliance the recommendations of the National Institute of Research and Safety at work.
- Large warning labels in compliance with ISO 3864 and NF X08.003 norms, 92/58/CEE European directive.
- Electric fan in compliance with CE specifications.

ADVANTAGES

- Available with Polymethylmethacrylate glazed doors or with steel doors.
- Independent cabinet ensuring perfect security.
- Elimination of dangerous vapors.
- No need of connection to an exhausting system. No modification of building structure required.
- Ventilation system with lighting control.
- Specialised high efficiency active charcoal filter, in compliance with the NF X 15-211 norm, treated following chemical products stored.
- Dust pre-filter, 92% efficiency with more than 3 µm particles.
- Easy change of the active coal filter.
- The standard timer supplied with your hood indicates you, all the time, the total use duration of your hood. After programming, every 60 hours, a sound alarm invites you to check the saturation of the active coal filter.

TECHNICAL SPECIFICATIONS

Storage compartment(s):

- Built in steel 10/10th.
- White epoxy paint RAL 9010.
- Supplied with «Flammable», «Corrosive» (x2) and «Toxics» large warning labels.
- Steel containment shelves (Height 20mm) adjustable in height.
- Removable bottom containment sump (in each compartments (height 100mm).
- Independent storage compartments on AFP5-2X and AF5-2X models.
- Self latching doors with key locks.
- High and low vents:
 - Inlet with fire grid,
 - outlet Ø 100mm with fire grid.

Ventilation/filtration compartment:

- Noiseless fan : 220-240 volts - 50 Hz - 0,2 A - 47 watts; flow: 86 m3/h; 0,1 A; 20 watts; sound level 43 dB(A); protection: IP54; delivered with cable and plug.
- The cabinets are delivered without active charcoal filter. You must select a filter depending on your chemicals stored.



OPTIONS

- Additional shelf.

- Active charcoal filter:

- The cabinets are delivered without active charcoal filter. You must select one in the file below depending on your chemicals stored.

- Containment shelf and base trough in PVC for corrosive products.

- Control of filter saturation level by FILTRALARM:

- Control lead,

- Monitoring system to control the air velocity across the filter.
- Adjustment allowing the detection of filter saturation level and faulty air flow.

- Sound alarm indicating a malfunction in the device.
- Visual alarm system.

- Control of filter saturation level by REACTIVE TUBES:

- Control port on the side of the cabinet.
- Use of a manual pump.
- Control of efficiency of active coal filter's saturation level by observing the tubes.

- Industrial absorbent mat for retention tank (P/N JF10D).

CABINETS

P/N	Description	Dimensions H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	Weight (kg)
AFP3X	Filtering ventilation cabinet with steel door	Ext. 2135 x 560 x 545 Int. 1795 x 555 x 480	150	41	3	50	75
AF3X	Filtering ventilation cabinet with glazed door	Ext. 2135 x 560 x 545 Int. 1795 x 555 x 480	150	41	3	50	75
AFP5-2X	Filtering ventilation cabinet with steel door	Ext. 2135 x 1110 x 545 Int. (2x) 1795 x 555 x 480	(2x) 140	(2x) 41	6	50	130
AF5-2X	Filtering ventilation cabinet with glazed door	Ext. 2135 x 1110 x 545 Int. (2x) 1795 x 555 x 480	(2x) 140	(2x) 41	6	50	130

⁽¹⁾ Evenly distributed

CHARCOAL FILTERS AND ACCESSORIES

P/N	Description	Dimensions H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Weight (kg)
CORG51	Active coal filter for corrosive and organic vapors ⁽¹⁾	70 x 390 x 390	-	-	-	9
ORG50	Active coal filter for organic vapors	70 x 390 x 390	-	-	-	8
FOR50	Active coal filter for formaldehyde vapors	70 x 390 x 390	-	-	-	8
CAR50	Kit for using without filter					2
SFA2	Filtralarm (to order imperatively with cabinet)					-
PMAF	Manual pump					0,4
TROR	Pack of 10 reactive tubes for «organic tests»					0,1
TRAC	Pack of 10 reactive tubes for «corrosive tests»					0,1
TROA	Pack of 5 reactive tubes for «organic tests» and 5 reactive tubes for «corrosive tests»					0,1
EE2	Steel additional containment shelf	30 x 545 x 468	-	5	-	4
SEPVC	PVC additional containment shelf	20 x 530 x 460	-	5	-	4
SBPVC	PVC containment sump	100 x 530 x 460	-	24	-	3
JF10D	Industrial absorbent mat					1

⁽¹⁾ The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories: organic and inorganic acids, solvents and organics.

RANGE H**CE**

RECYCLING AIR BOX Labopur®

Take advantage of Labopur®'s technology with any safety cabinet



OPERATING PROCESS

The fan extracts harmful and toxic vapors from the cabinet. The charcoal filter purifies the fumes, and then, they are rejected safely in the environment.

CONFORMITY

- Active coal filters absorption's capacity and filtration system are tested and certified NF X 15-211.
- Electric fans are in conformity with European specification CE.

ADVANTAGES

- Labopur's technology.
- Adaptability to all types of cabinets, with 3 inlets for connection.
- Easy installation and connection.
- Warning light insures of good functioning of the ventilation system.
- Front control window indicates immediately if the filter is inside and well adapted to your needs.
- High efficiency active coal filter specialised and treated following products stored in compliance with NF X 15-211.
- Dust-protecting pre-filter, efficiency 92% for particles < 3 µm.
- Easy replacement of the active coal filter.
- The standard timer supplied with your recycling air box indicates the total use of your box. After programming, every 60 hours, a sound alarm invites you to check the saturation of the active coal filter.

TECHNICAL SPECIFICATIONS

- Steel frame 12/10th.
- Epoxy painting : white RAL 9010, blue RAL 5015.
- Soft and silent electrical fan: 220-240 volts - 20 watts, 0,1 A, 43 db (A) (excluding air flow) - Airflow 86 m3/hour - Protection: IP54.
- Inlet airflow diameter : 100 mm.

OPTIONS

- Active coal filter : boxes are provided without active coal filter. You have to select one kind of filter in the boarding bellow, in as per the stored products.
- Connecting kit.
- Control of filter saturation level by FILTERALARM: Control by sensor. Electronic board measuring the airflow through the filter. Adjustment allowing detection for filter sealing or airflow troubles. The sound system underlines a dysfunction. Warning light indicator.
- Control of filter saturation level by REACTIVE TUBES: Control port on the front of the box. Easy using of specialized reactive tubes. Using of manual pump for testing. Control of efficiency of the filter by reading color codes of reactive tubes.

We remind you that you can use filter for specific applications.

CONNECTING KIT OPTION (KRC)

It allows to connect easily your ventilation or filtration box with any cabinet
It includes :



- 1 sleeve diameter 100mm, ref CHJ, to fix on the exhaust of the cabinet.
- 1 meter of flexible tube diameter 100mm ref KL 100.
- 2 clamp diameter 100 mm, ref. CDS100.

Ref	Description	Dimensions H x W x D (mm)	Weight (kg)
H50	Recycling (delivered without filter)	310 x 505 x 485	15
ORG50	Active coal filter for organic vapors	70 x 390 x 390	8
CORG51	Polyvalent active coal filter for corrosive and organic vapors	70 x 390 x 390	9
FOR50	Active coal filter for formaldehyde vapors	70 x 390 x 390	9
CAR50	Kit to use recycling air box without filter	70 x 390 x 390	2
SFA2	Filteralarm (need to be ordered with recycling air box)	-	-
PMAF	Manual pump	-	0,4
TROR	Pack of 10 reactive tubes for organic tests	-	0,1
TRAC	Pack of 10 reactive tubes for corrosives tests	-	0,1
TROA	Pack of 5 reactive tubes for organic test and 5 reactive tubes for corrosive tests	-	0,1

(1) The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.

RANGE V**ISO 3744 CE**

VENTILATION AND FILTRATION BOXES

CDV-A
+ option KRC
+ option KL100
+ option CDS100



CDF-P
+ option KRC



VENTILATION BOX (CDV-A)

USE AREA

The electric fan allows the extraction of toxic vapours generated inside your safety cabinet.

CONFORMITY

Electric fan in compliance with ISO 3744; CE marking.

ADVANTAGES

- Adaptable to all of our cabinets.
- Simple and aesthetic fitting.
- Easy connection between the cabinet and the vent box.
- Connection by flexible tube Ø 100 mm (in option).
- Lighting control allowing to survey the proper working of the fan.

TECHNICAL SPECIFICATIONS

- Built in steel 12/10th, white epoxy paint RAL 9010.
- Electric engine with switch ON/OFF with lighting control.
 - 220/240 volts – 50 Hz – 97 W – 0,54 A – 55,5 dB(A) (excluding air flow)
 - Flow : 215 m³/h – Protection : IP44.
 - Exhaust inlet and outlet : Ø 100 mm..

CONNECTING KIT OPTION (KRC)

It allows to connect easily your ventilation or filtration box with any cabinet
It includes :



- 1 sleeve diameter 100mm, ref CHJ, to fix on the exhaust of the cabinet.
- 1 meter of flexible tube diameter 100mm ref KL 100.
- 2 clamp diameter 100 mm, ref. CDS100.

FILTRATION BOXES (CDF-A, CDF-ACORG ET CDF-P)

USE AREA

The electric fan allows the exhaust of toxic vapours generated inside the safety cabinet. The vapours are purified by the active coal filter and rejected without danger in the atmosphere.

CONFORMITY

- CE marking

ADVANTAGES

- Adaptable to all of our contacts.
- No modification of building's structure required.
- Simple and aesthetic fitting.
- Easy connection between the cabinet and the vent box.
- Connection by flexible tube Ø 100 mm (in option).

TECHNICAL SPECIFICATIONS

Filtration box CDF-A model (not show on the picture)

- Built in steel 12/10th, White epoxy paint RAL 9010.

Filtration box CDF-P model

- Built in cellular PVC, White colour

Each box contains independent compartments :

Filtration compartment :

- «Candle» type active coal filter (H150 x Ø150 mm), ref. CDFORG on CDF-A model CDFCORG on CDF-P model; must be changed at least once a year.
- Filter settled on the box by 3 lugs and airtightness insured thanks to a rubber seal.

Ventilation compartment :

- Electric engine :
 - 220/240 volts – 50 Hz – 20 W – 0,09 A – 43 dB(A) (excluding air flow).
 - Flow : 86 m³/h – Protection : IP54.
 - Exhaust inlet and outlet : Ø 100 mm.

P/N	Description	Overall dimensions H x W x D (mm)	Equiped with active coal filter	Weight (kg)
CDV-A	Ventilation box in steel	235 x 235 x 250	no	8
CDF-A	Filtration box in steel with filter	285 x 410 x 285	CDFORG	13
CDF-ACORG	Filtration box in steel with filter	285 x 410 x 285	CDFCORG	13
CDF-P	Filtration box in cellular PVC with filter	305 x 580 x 300	CDFCORG	10
KRC	Connecting kit for box	-	-	1
KL100	1 metre flexible tube Ø 100 mm	-	-	0,2
CHJ	Connection unit Ø 100 mm	-	-	0,1
CDS100	Clamp collar Ø 100 mm	-	-	-
CDFORG	Active coal filter for organic vapors	H 150 x Ø 150	Filter must be changed at least once a year	3
CDFCORG	Polyvalent active coal filter for corrosive and organic vapors	H 150 x Ø 150		3
CDFFOR	Active coal filter for formaldehyde vapors	H 150 x Ø 150		3

⁽¹⁾ The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

RANGE V

Zone II

VENTILATION ATEX BOXES “ with Filtration Option ”**CERTIFICATION**

- **Model with ATEX airflow:** Electric fan with ATEX volute approved ATEX CE II 3/G.
- **Model with ATEX engine:** Electric fan with ATEX engine approved ATEX CE II 3/G EEx e IIB T4.
- **Model with ATEX airflow and engine block:** Electric fan with airflow approved ATEX CE II 3/G and engine block approved ATEX CE II 3/G EEx e IIB T4.

ADVANTAGES

- Convenient for all safety cabinets.
- Easy and rapid installation, nice looking.
- Easy connection between the cabinet outlet and the box inlet.
- Connection by flexible tube diameter 100mm (in option).

TECHNICAL CHARACTERISTICS

- Built in steel 12/10th.
- White epoxy paint RAL 9010.
- **Electric fan with ATEX airflow:**
 - 220-240 volts – 50 Hz – 12 W – 0,17 A – 47 dB(A) (excluding air flow).
 - Airflow: 80 m3/h – IP55 protection.
 - Inlet diameter: 100 mm / Outlet diameter: 100 mm.
- **Electric fan with ATEX engine:**
 - 220-240 volts – 50 Hz – 120 W – 1,07 A – 65 dB(A) (excluding air flow).
 - Airflow: 190 m3/h – ATEX CE II 3/G EEx e IIB T4 protection.
 - Inlet diameter: 100 mm / Outlet diameter: 100 mm.
- **Electric fan with ATEX airflow and engine block:**
 - 380 volts phase- 50 Hz -180 W – 0,82/0,47 A 65 db (A) (excluding air flow).
 - Airflow: 200 m3/h - Volute protection: ATEX CE II 3/G, Engine protection : ATEX CE II 3/G EEx e IIB T4.
 - Inlet diameter: 100 mm / Outlet diameter: 100 mm.
 - Three-phase 16 A.

FILTRATION OPTION WITH CHARCOAL FILTER

Our ATEX ventilation boxes may be equipped with an active charcoal filter. You may select it in the bottom of the file depending on the chemicals you will store in your safety cabinet. The adsorption capacity of charcoal filters is tested approved according the new NF X 15-211 may 2009 - Class 2 norm.



3 different charcoal filters are proposed:

- CDFORG Charcoal filter for organic vapors.
- CDFCORG “Universal”⁽¹⁾ charcoal filter for organic and corrosive vapors.
- CDDFOR charcoal filter for formaldehyde vapors

CONNECTING KIT OPTION (KRC)

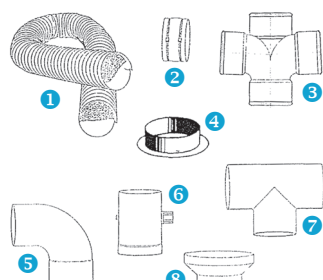
It allows to connect easily your ventilation or filtration box with any cabinet.

It includes :

- 1 sleeve diameter 100mm, ref CHJ, to fix on the exhaust of the cabinet.
- 1 meter of flexible tube diameter 100mm ref KL 100.
- 2 clamp diameter 100 mm, ref. CDS100.



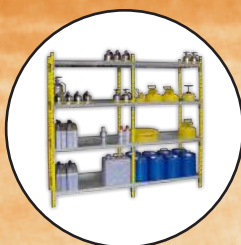
P/N	Description	ATEX type	Voltage	Dimensions H x W x D (mm)	Weight (kg)
CVAT	Ventilation box with ATEX volute (without filtration option)	Volute	220 v mono	305 x 650 x 285	14
CMAT	Ventilation box with ATEX engine (without filtration option)	Engine	220 v mono		18
CTAT	Ventilation box with ATEX volute and engine (without filtration option)	Volute & Engine	380 v three phase		18
KRC	Connecting kit for box	-	-	-	1
① KL100	Flexible tube diameter 100mm, per meter	-	-	-	0,2
④ CHJ	Connecting sleeve diameter 100mm	-	-	-	0,1
CDS100	Clamp diameter 100mm	-	-	-	0,01
CDFORG	Active charcoal filter for organic vapors	Filter must be changed at least once a year			3
CDFCORG	“Universal” ⁽¹⁾ charcoal filter for organic and corrosive vapors				3
CDDFOR	Active charcoal filter for formaldehyde vapors				3

VENTILATION EQUIPMENTS

P/N	Description	Weight (kg)
② R100	Connecting sleeve diameter 100mm	0,5
③ RT188	PVC cross diam 100 mm	0,5
⑤ CT90	PVC elbow (90°) diam 100 mm	0,5
⑥ V125	Manual regulating PVC valve diam 125 mm	1
⑦ BT188	PVC T diam 100 mm (also available in Y, please contact-us)	0,5
⑧ ELE75	PVC reducer diam 100/75 mm	0,5
⑨ ELE39	PVC reducer diam 125/100 mm	0,5

⁽¹⁾ The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.

SAFETY EQUIPMENTS FOR STORAGE AND SPILL CONTROL OF CHEMICALS



Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments



SAFETY EQUIPMENTS FOR STORAGE AND SPILL CONTROL OF CHEMICALS

GENERAL RULES:

All stored chemicals must be placed above a retention or spill pallet.
Regulations change depending on where you store (industrial area, laboratories, ...) and what products you are storing (flammables, toxics, corrosives...).

REGULATIONS:

The volume of retention of any storage of dangerous liquids that could pollute water and soil must be at least equal to the biggest following values :

IN ITALY

- 100% of the biggest container
- 30% of the total volume stored

IN GERMANY AND SWITZERLAND

- 100% of the biggest container
- 10% of the total volume stored (except for agriculture 50% of the total volume)

SAFETY CONTAINERS

INTRODUCTION:

Virtually every place of business, and even homeowners, have opportunity to use flammable or combustible liquids. Gasoline, chemicals, solvents, etc...are found in varying amounts and locations. Whereas these liquids are relatively commonplace, it is important to understand the dangers they present and the special storage and handling procedures required to ensure safe usage.

Moreover, transport of dangerous liquids require special protection and only UN agreed containers can ensure a high level of security. Safety containers differ from secure containers by the following safety equipments:

- An internal wire mesh flame arrester is fitted into the spout and prevents flames to enter into the container.
- A pressure relief prevents any risk of explosion.
- Normalised labels allow separating and recognizing the different products and therefore avoid possible risk of confusion.

Safety data sheets must also be close to the working place allowing the rescue team to work with efficiency.

NORMALIZATION:

UN (United Nation):

The containers with UN label are certified for road transport of dangerous liquids.



FM (Factory Mutual):

Offers worldwide industrial and commercial product certification and testing services through its business unit FM Approvals. Recognized and respected across the worldwide, FM Approvals certification assures customers that a product or service has been objectively tested and conforms to the highest national and international standards.



Summary

Containment tank		Range BR
Safety shelvings		Range R
Pallets & Accumulation centers for spill containment	EPA-SPCC-NFPA-OSHA-UL	Range G
Safety bottles		Range M
Double-Use Container	U.N.	Range K
Safety Cans in steel and in HDPE	FM - OSHA - NFPA	Range J
Safety Cans in stainless steel	FM - U.N.	Range S
Secure cabinets for drums		Range 20

RANGE BR



CONTAINMENT SUMP



E8A2 ▲



▲ B79148



SBPVC ▲



E79235 ▲



▲ E79148

ADVANTAGES

- To place on a bench or on a workbench.
- Liquid and powders accidental leaks stay inside the tray.
- Edges prevent stored products to tip over.
- Easy sight of the stored products.
- Rapid and secure storage during the frequent handlings.
- Easy to clean.
- Rapid detection of leaks.

OPTION

- Industrial absorbing mat (réf : JF10D).

STEEL CONTAINMENT SUMP

(P/N E794, E795, B794 et B795)

For Flammable, Toxic, Noxious and Pollutant Products

- Sturdy construction in steel 15/10th.
- White epoxy paint RAL 9010.
- Perforated cover plate for steel containment sump in option (C79148 and C79235 models).

PVC CONTAINMENT SUMP

(ref. SEPVC et SBPVC)

For CORROSIVES PRODUCTS

- High chemical resistance against corrosive products
- Built in PVC 20/10th.

HDPE CONTAINMENT SUMP

(ref. BR5 and BR10)

For CORROSIVE PRODUCTS

- Built in high density polyethylene (HDPE), color white with high chemical resistance against corrosive products.
- Removable perforated cover plate, color black.

POLYPROPYLENE CONTAINMENT SUMP

(ref. E8A2)

For CORROSIVE PRODUCTS

- High chemical resistance against corrosive products.
- Built in polypropylene 24/10th.

P/N	Description	Dimensions H x W x D (mm)	Storage capacity		Containment capacity(L)	Weight (kg)
			Bottles 1 L	Bottles 2,5 L		
SEPVC	PVC containment sump	20 x 530 x 460	19	10	5	2
SBPVC	PVC containment sump	90 x 530 x 460	19	10	24	3
E8A2	Polypropylene containment sump	85 x 455 x 480	18	9	11	5
E79148	Steel containment sump	30 x 490 x 410	16	9	6	3
E79235	Steel containment sump	30 x 1000 x 410	36	20	12	6
B79148	Steel containment sump	100 x 490 x 410	16	9	20	5
C79148	Perforated cover plate for B79148 steel containment sump	90 x 480 x 400	16	9	A perforated plate inserted inside a base trough decreases the volume of retention as following: 3 litres less	4
B79235	Steel containment sump	100 x 1000 x 410	36	2		10
C79235	Perforated cover plate for B79235 steel containment sump	90 x 990 x 400	36	2	A perforated plate inserted inside a base trough decreases the volume of retention as following: 6 litres less	8

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE G



PALLETS & ACCUMULATION CENTERS FOR SPILL CONTAINMENT

28234 [▲]

28704

28923 [▲]AK28905 [▲]28703 [▲]28254 [▲]AK28906 [▲]

Removable grating for easy cleaning



Joining clips for accumulation center (ref. 28926)

CERTIFICATION

- In compliance with EPA, SPCC, UL Environment, NFPA1 and OSHA (see models) specifications.

ADVANTAGES

- High chemical resistance
- Easy cleaner.

TECHNICAL SPECIFICATION

- Built in 100% recycled polyethylene.
- Removable grating built in 100 % recycled polyethylene.
- From 2 to 8 drums of 60, 100 ou 200 litres storage.
- Wide forklift pockets facilitate relocation (only for 28234 and 28254 models).

OPTIONS

- Companion ramp for accumulation center 28923 and AK28905 (Réf.: AK28906).
- Joining clips to connect 2 accumulation centers 28923 and AK28905 (Réf.: 28926).
- Industrial absorbing mat (P/N : JF10D).

P/N	Description	Inside dim. H x W x D (mm)	Load bearing capacity (kg)	Containment capacity (L)	Conformity ⁽¹⁾	Weight (kg)
28234	2 drums containment pallet (inline)	457 x 1245 x 635	1134	250	EPA, SPCC, U, O, UL	20
28703	3 drums containment pallet (inline)	295 x 1854 x 635	1701	284	EPA, SPCC, U, O, UL	26
28704	4 drums containment pallet (inline)	229 x 2464 x 635	2268	284	EPA, SPCC, U, O, UL	35
28254	4 drums containment pallet (in square)	260 x 1245 x 1245	2268	276	EPA, SPCC, U, O, UL	20
28923	4 drums accumulation center (in square)	140 x 1245 x 1245	2268	185	-	28
AK28905	8 drums accumulation center (inline)	140 x 2464 x 1245	4536	371	EPA, SPCC, U, O, UL	55
AK28906	Ramp for the centers	159 x 1219 x 838	455	-	-	16
28926	Joining clips (one pair - stainless steel)	-	-	-	-	0,1

⁽¹⁾ U : NFPA; O : OSHA

RANGE BR



SPILL TRAYS / COVERED POLYETHYLENE OUTDOOR SPILL PALLET



BR20 ^



BR30



BR250 ^



BR1000 ^

ADVANTAGES

- High chemical resistance
- Easy cleaning.

SPILL TRAYS

- Built in polyethylene, black color.
- Removable perforated cover plate with non-slip surface, yellow color.

SPILL PALLET FOR 1000L IBC

- Built in polyethylene 100% recyclable, yellow color.
- Removable perforated cover plate, black color.

- Wide forklift pockets facilitate relocation (empty).

COVERED POLYETHYLENE OUTDOOR SPILL PALLET FOR 2X200 L DRUMS

- Built in polyethylene recyclable, yellow color.
- Sliding door in polyethylene, black c.
- Removable perforated cover plate, black color..
- Delivery in kit with stainless steel connecting elements.
- Wide forklift pockets facilitate relocation (empty).
- Can be locked with U padlock (U with an 80 mm height advisable).

P/N	Description	Inside dim. H x W x D (mm)	Load bearing capacity (kg)	Containment capacity (L)	Weight (kg)
BR20	Spill tray - 20 L	155 x 600 x 400	50	20	2
BRC20	Spill tray - 20 L - with perforated cover plate				3
BR30	Spill tray - 30 L	155 x 805 x 405	50	30	3
BRC30	Spill tray - 30 L - with perforated cover plate				4,5
BR40	Spill tray - 40 L	155 x 800 x 600	100	40	3,5
BRC40	Spill tray - 40 L - with perforated cover plate				6,5
BR60	Spill tray - 60 L	175 x 1000 x 600	200	60	5
BRC60	Spill tray - 60 L - with perforated cover plate				9
BR100	Spill tray - 100 L	175 x 1200 x 800	200	100	7
BRC100	Spill tray - 100 L - with perforated cover plate				14,5
BR250	Covered polyethylene outdoor spill pallet	2110 x 1565 x 995	650	250	101
BR1000	Spill pallet for 1000L IBC	1000 x 1450 x 1450	2000	1100	105

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE R



SAFETY SHELVING



RRP2 ▲

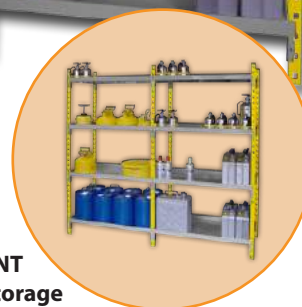


▲ RRA60



RRA604 ►

RRA604 + RRA604ES ►



ADVANTAGES

- For corrosive, toxic, noxious, pollutant and flammable storage.
- Allows to store products by categories and chemical families.
- Accidental leaks rapidly located.
- Containment tanks with edges prevent the cans from falling.
- Easy sight of stored products.

HIGH DENSITY POLYETHYLENE (HDPE) SHELVING For CORROSIVE PRODUCTS

- High corrosion resistance.
- 5 levels of storage.
- Acceptable load per level: 60 kg.
- High density polyethylene (HDPE) base support.
- Large warning labels in compliance with ISO 3864, 92/58/CEE, European directive and NF X 08.003 norm standards.
- Removable PVC containment sumps:
 - Height: 30 mm.
 - Easy removal for cleaning.

STEEL SHELVING

For TOXIC, NOXIOUS, POLLUTANT and FLAMMABLE PRODUCTS storage

- 4 or 5 levels of storage adjustable in height (step every 6,25cm).
- Acceptable load per level: 250 kg.
- Sturdy steel construction with yellow epoxy paint RAL 1004 finish.
- Removable steel containment sumps:
 - Grey epoxy paint RAL 7035.
 - Height : 50 mm.
- Available in 2 depths: 400mm or 600mm.

OPTIONS

- Industrial absorbing mat (P/N: JF10D).

Steel shelving:
Available in 2 depths: 390mm or 590mm

P/N	Description	Dimensions H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	Weight (kg)
RRP2	Polyethylene shelving	1820 x 900 x 450	120	60	5	60	35
RRA40	Steel shelving of 390 mm depth	2000 x 1030 x 390	180	90	5	250	50
RRA404	First element; depth : 390 mm	2000 x 1030 x 390	144	72	4	250	45
RRA404ES	Next element; depth : 390 mm	2000 x 1000 x 390	144	72	4	250	43
RRA60	Steel shelving of 590 mm depth	2000 x 1030 x 590	270	135	5	250	75
RRA604	First element; depth : 590 mm	2000 x 1030 x 590	216	108	4	250	65
RRA604ES	Next element; depth : 590 mm	2000 x 1000 x 590	216	108	4	250	63
BAC400	Additional shelf for RRA40, RRA404, RRA404ES	50 x 940 x 390	36	18	-	-	10
BAC600	Additional shelf for RRA60, RRA604, RRA604ES	50 x 940 x 590	54	27	-	-	13
JF10D	Industrial absorbing mat (pack of 10 sheets)	-	-	-	-	-	1

⁽¹⁾ Evenly distributed

RANGE M



SAFETY BOTTLE



1633R ▲

1626J ▲

1619R ▲

ADVANTAGES

- No leaks when the bottle tips over.
- Lid opening by finger pressure.
- Self by locking.
- Accurate dosing.
- Double opening and sealing O-ring and spring.
- Sealing cap with nitrile rubber joint.

TECHNICAL SPECIFICATIONS

- Aluminum body : Al 99,5.
- Threaded ring : Al Mg Si Pb.
- Plastic valve : PPN.
- Seal-nitrile rubber.
- O-rings :
 - VITON (red cap),
 - EPDM (yellow cap).
- Spring : X5 Cr Ni Mo 4401.

P/N	O-rings	Capacity (l)	Dimensions H x Ø (mm)	Weight (kg)
1619R	VITON (red)	0,4	222 x 65	0,122
1633R		1	280 x 80	0,183
1619J	EPDM (yellow)	0,4	222 x 65	0,122
1633J		1	280 x 80	0,183

RANGE K

UL



DOUBLE-USE CONTAINER

CONFORMITY

- Authorised by UN (United nations) - (N°6HA./X/300/01).

ADVANTAGES

- Sturdy construction.
- Integrated grip for transport.

TECHNICAL SPECIFICATIONS

- Double wall :
 - Metallic extrenal wall covered with blue epoxy paint (RAL 5010) finish in order to resist to impacts.
 - Tight inner wall in polyethylene in order to resist to aggressive products.
- Shutter stopper in polyethylene with threaded Ø 2" o-ring.
- Capacity : 10 L.

OPTION

- Stainless steel hose (thread 2") with flame arrester grid.

51000 ▶

51061B ▶

P/N	Description	Dimensions H x Ø (mm)	Weight (kg)
51061B	Can RAL 5010	345 x 240	1,8
51000	Hose	360 x 175 ⁽¹⁾	1,5

⁽¹⁾ Can + funnel = 530 mm (height)



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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

RANGE J**FM-OSHA-NFPA-UL-TÜV
SAFETY CANS****CERTIFICATION**

- All cans in conformity with FM, NFPA, OSHA et UL.
- Type I cans agreed by ULC and TÜV.
- UNO Type cans certified for the flammable liquids transport by UN and DOT.
- Large warning labels in compliance with ISO 3864 norm and 92/58/CEE european directive.

TECHNICAL SPECIFICATIONS

- Made in 100% lead-free steel body and handle.
- Ergonomic and resistant grip.
- Inside dual-density flame arrester.
- Spring-loaded self-closing lid controls vapours.
- Spring tare satisfies the high-pressure valve function.
- Half inch raised bottom resists accidental punctures and offers additional strength and rigidity.
- Superior powder coat paint finish in order to resist solvents.

**Type I safety containers**

P/N	Storage capacity (L)	Dimensions H x Ø (mm)	Weight (kg)	Conformity
10111	0,9	210 x 117	0,8	FM, UL, ULC, TÜV
10311	3,8	279 x 241	1,8	FM, UL, ULC, TÜV
10511	7,5	349 x 241	2,5	FM, UL, ULC, TÜV
10611	9,5	292 x 298	3	FM, UL, ULC, TÜV
10811	19	429 x 298	3,5	FM, UL, ULC, TÜV

Type safety containers for laboratories

- Shelf cans are equipped with a faucet mounted 5 cm above the bottom to eliminate the need to lift the cans during dispensing.

Ref	Storage capacity (L)	Dimensions H x Ø (mm)	Weight (kg)	Conformity
10608	9.5	292 x 298	4	FM
10808	19	403 x 298	4,5	FM



RANGE J

FM-OSHA-NFPA-UL-TÜV



^14561

Nonmetallic Type I safety containers for flammables

- Made of high density polyethylene.
- Self-closing system with high-pressure valve function.
- Dual density flame arrester protects against external heat sources.

P/N	Storage capacity (L)	Dimensions H x W x D (mm)	Weight (kg)	Conformity
14065	1,9	241 x 194 x 117	1	FM
14561	19	406 x 324 x 324	4	FM



^12765



^12161

Containers for corrosive products

- Made of translucent high density polyethylene (HDPE)
- Stainless steel fittings with teflon seal.
- Fixed position on handle allows lid to stay open (12762 and 12765 models).

P/N	Storage capacity (L)	Dimensions H x Ø (mm)	Weight (kg)	Conformity
12161	3,8	324 x 194 x 117	1	FM
12762	7,6	375 x 305	2,5	FM
12260	9,5	387 x 273	3	FM
12765	19	508 x 305	5	FM



^10118



^14018

Plunger containers

- To moisten without risk rags or swabs...
- Spring-loaded pump system allowing liquids to raise up towards the dasher with flame arrester.

P/N	Storage capacity (L)	Materials	Dimensions H x Ø (mm)	Weight (kg)	Conformity
10118	1	Galvanized steel	165 x 184	1,3	-
10218	2	Galvanized steel	203 x 184	1,5	-
10318	4	Galvanized steel	279 x 184	2	-
14018	1	Polyethylene	229 x 142	1	-

Bench containers

- To clean small pieces without risk.
- Spring-loaded immersion mechanism with flame arrester.
- Optional soaking basket available. Please contact us.



^10291

P/N	Storage capacity (L)	Dimensions H x Ø (mm)	Weight (kg)	Conformity
10291	2	83 x 228	2	FM



^08540



^08902

Faucets for cans

P/N	Description	Conformity
08540	Brass flame arrester safety faucet - 3/4" thread NPT for laboratory can	FM
08902	Brass flame arrester safety faucet, rigid - 3/4" thread NPT	FM

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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

RANGE S**FM - CNPP - UN** **SAFETY CONTAINERS FOR FLAMMABLE PRODUCTS****SAFETY PRINCIPLE**

The safety principle of the multi path container is based on the combination of the Davy's lamp special stainless steel wire mesh and the lead fuse inside the screw cap or dispenser spout. Also a pressure relief valve is fitted into the closures.

The Davy's wire mesh flame arrestor is fitted into the spout. These screens allow air and liquid to pass, but prevent flames to enter the container. The mesh sieve is fixed into position by means of a split ring and can therefore not fall out. The sieve can be removed for cleaning purpose.

The lead fuse in the cap/dispenser spout only in original container ensures that pressure resulting from heat will not cause the container to burst or explode, because at a temperature of 60°C/140°F the lead fuse will melt, allowing vapours to escape.

In addition a separate pressure relief valve is inside the cap/dispenser spout.

WARNING: These containers can't be used for corrosive products.

Different options are available for these stainless steel safety cans, such as Davy's filter, funnels, replacement screw caps or dispenser spouts,...

CONFORMITY

- Testés by C.N.P.P. (National Center of Prevention and Protection).
- In compliance with FM, TRbF 143 norms and with a dangerous matter's transport regulation :
 - GGVS / ADR for the road transport.
 - GGVE / RID for the rail transport.
 - GGVSee for the marine transport.
 - ICAO-Ti for the air transport.
- UN certified (according to models) .

ADVANTAGES

- Lead fuse melting at 60°C allowing vapours to escape
- Explosion proof in case of fire.
- «davy's filter» type flame arrestor filter prevents flames to enter the container.

TECHNICAL SPECIFICATIONS

- Stainless steel body construction.
- Tare high pressure valve (0,3 bar).

OPTIONS

- Stainless steel funnel with inclined outlet for the jerrycans 5 and 10 litres (P/N : ENTINOX-CD).
- Stainless steel funnel with straight funnel for the cans of 1,2 and 5 litres, for the jerrycans of 20 litres and drums (ref. : ENTINOX).

RANGE S

FM - CNPP - UN



STAINLESS STEEL SAFETY CANS

- Black aluminium ergonomic grip.
- Shock proof plastic ring.
- Concave bottom insures an excellent stability.
- Cone-shaped top permits complete emptying.
- Storage capacity: 1,2 or 5 litres.
- 2 versions available:
 - Type 101: with screw cap
 - Type 102: with dispenser spout.

STAINLESS STEEL SAFETY JERRYCANS

- Perfect design for space saving storage.
- Capacity of 5, 10 or 20 litres.
- Black aluminium grip for 5 and 10 litres models.
- Stainless steel grip for 20 litres models.
- 2 versions available:
 - Type 320: with screw cap
 - Type 321: with dispenser spout.

STAINLESS STEEL SECURITY DRUM

TYPE 202 DRUM:

- Stackable basic model of 25 or 50 litres.
- Top screw cap for filling up and emptying.
- Dispenser spout in option.
- Capacity of 10, 25 or 50 litres.

TYPE 213 DRUM:

- Stackable basic model of 25 or 50 litres.
- Top screw cap for filling up.
- 1/2" stainless steel tap at the bottom for emptying.
- Capacity of 10, 25, 50, 100 or 200 litres.

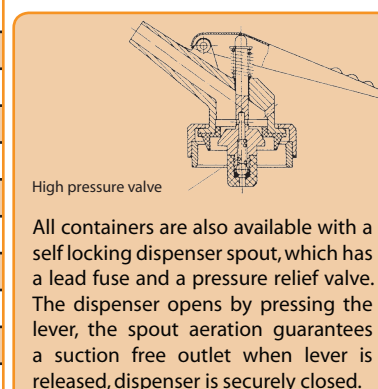
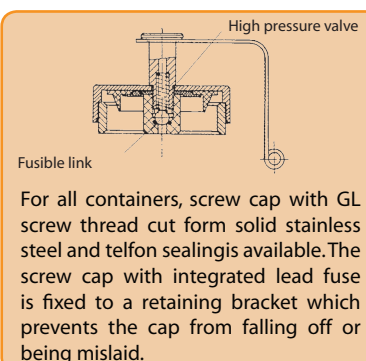
TYPE 215 DRUM:

- Stackable basic model of 25 or 50 litres.
- Top screw cap for filling up.
- 1/2" stainless steel tap at the bottom for emptying.
- Glass tube level control with integrated 1/2" tap outlet.
- Capacity of 15, 25 and 50 litres.

TYPE 213K DRUM:

- Model with the tipping pedestal.
- Top dispenser spout for emptying.
- Capacity of 25 litres.

Réf.	Cap. (L)	Type	Filling and draining	Dimensions H x W x D (mm)	Weight (kg)
101-1L	1	Can	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM9995 - TS)	210 x 150 x 110	0,6
102-1L	1	Can	With dispenser spout	230 x 150 x 110	0,6
101-2L	2	Can	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM9996 - TS)	270 x 170 x 130	0,8
102-2L	2	Can	With dispenser spout	290 x 170 x 130	0,8
101-5L	5	Can	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM9997 - TS)	385 x 215 x 175	1,3
102-5L	5	Can	With dispenser spout	420 x 215 x 175	1,4
320-5L	5	Jerrycan	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM9990 - TS)	290 x 200 x 130	1,7
321-5L	5	Jerrycan	With dispenser spout	330 x 200 x 130	1,8
202-10L	10	Drum	With screw cap	280 x 300 x 300	3,4
213-10L	10	Drum	With low tap	280 x 300 x 300	3,6
320-10L	10	Jerrycan	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM9991 - TS)	370 x 280 x 130	2,5
321-10L	10	Jerrycan	With dispenser spout	400 x 280 x 130	2,5
215-15L	15	Drum	With low tap and level control	340 x 300 x 300	5
320-20L	20	Jerrycan	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM9992 - TS)	470 x 340 x 175	4,7
321-20L	20	Jerrycan	With dispenser spout	500 x 340 x 175	4,8
202-25L	25	Drum	With screw cap (n° UN1A1/X2.0/600/JJ/D/BAM5613 - TS)	500 x 300 x 300	5
213-25L	25	Drum	With low tap	500 x 300 x 300	5,2
213K-25L	25	Drum	Tipping with high tap	500 x 300 x 300	11,5
215-25L	25	Drum	With low tap and level control	500 x 300 x 300	6
202-50L	50	Drum	With screw cap	570 x 380 x 380	7
213-50L	50	Drum	With low tap	570 x 380 x 380	8,2
215-50L	50	Drum	With low tap and level control	570 x 380 x 380	8,2
213-100L	100	Drum	With low tap	780 x 450 x 450	15,2
213-200L	200	Drum	With low tap	820 x 600 x 600	22,2
140331104	-	-	Dispenser spout for 1 & 2 litres	-	0,6
140331374	-	-	Dispenser spout for 5, 10, 20 & 25 liters	-	0,6
140410444	-	-	Screw cap for containers of 1 & 2 liters	-	0,5
140410434	-	-	Screw cap for containers of 5, 10, 20 & 25 liters	-	1
ENTINOX-CD	-	-	Stainless steel funnel with inclined outlet	-	0,5
ENTINOX	-	-	Stainless steel funnel with straight outlet	-	0,5



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Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

RANGE 14.F**DRUMS SECURE CABINETS**

ALF1*



ALF2*



ALF6*



ALF9*

ADVANTAGES

- Allow storage of your drums safely and in as per the regulations.
- Containment shelf on cabinets for 200 litres drums for additional storage of small containers.

PASSIVE SECURITY

- Built in steel 8/10th.
- Grey RAL 7035 electrostatic powder paint.

- Adjustable steel containment shelf on cabinets for 200 litres drums (maximum load by shelf: 45 kg).
- Steel base trough at the bottom.
- Standardized pictograms «flammable» (x1), «toxic» (x1) and «corrosive» (x2).

ACTIVE SECURITY

- High and low vents
- Hanging door(s) with key-locking system.

P/N	Description	Dimensions H x W x D (mm)	Storage capacity in		Containment capacity (L)	Number of shelves	Maximum load by shelf ⁽¹⁾	W. (kg)
			200 L drums	60 L drums				
ALF1	Cabinet for 1 vertical 200 L drum	1950 x 950 x 700	1	-	200	1	50	148
ALF2	Cabinet for 2 vertical 200 L drums	1950 x 1500 x 700	2	-	220	1	50	154
ALF6	Cabinet for 6 horizontal 60 L drums	1600 x 1500 x 700	-	6	70	-	-	185
ALF9	Cabinet for 9 horizontal 60 L drums	1950 x 1500 x 700	-	9	70	-	-	195

⁽¹⁾ Evenly distributed

WARNING : Products of different nature must be stored separately. A cabinet is equivalent to a type of chemicals (flammable, toxic, corrosive...).

FIRE-PROTECTION EQUIP- MENTS AND FILES CABINETS

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments



FIRE-PROTECTION EQUIPMENTS

INTRODUCTION

For personal and goods safety, it is necessary to equip all working areas with fire-protection equipments.

Safety ashtrays and waste bins are useful to extinguish the fire by lack of oxygen within the container.

As for safety blankets, when draped over a fire, they starve the fire of oxygen, leading to rapid extinction. It can be used to wrap around a person whose clothes are on fire or to wrap around a burning object for removal to a safe place.

NORMS

European Norm EN 1869-1997 :

This norm indicates that a fire blanket must be able to resist to a heat of 370°C done by a fresh fuel (such as edible soya bean oil or rapeseed oil. The electric resistance must be under 1 Ohm.

EN

FM (FACTORY MUTUAL) :

This regulation offers worldwide industrial and commercial product certification and testing services through its business unit FM Approvals. Recognized and respected across the worldwide, FM Approvals certification assures customers that a product or service has been objectively tested and conforms to the highest national and international standards.



SAFE FOR DOCUMENTS

DESCRIPTION

The safe for documents allow to classify and store all your paper documents safe from robbery and from fire thanks to the thermal insulation that late the fire effects inside the cabinet.

STANDARDIZATION

Swedish test NT FIRE 017:

Swedish test commonly used that specifies a classification system and a test procedures for determining the fire resistance of filling cabinets. The maximum temperature inside the cabinet shall not exceed the initial temperature by more than 150°C. The numerical values 60, 90 and 120 represent the period of time in mn for which the tested cabinet has fulfilled the requirements stated above.

NT Fire 017

European norm EN ISO 1182:

This regulation is a testing norm on non flammable building materials (Thermal insulation).

EN

Summary :

«Securiflam» Safety waste Bins	CNPP - TNO - IBBC - NVBB	Range P
Foot Operated Oily Waste Cans	FM	Range J
Fire Blankets	EN 1869-1997	Range A
«Cendrex» wall mounted ashtray		Range C
Pedestal safety ashtrays	FM - ADA	Range C
«Smokers» safety ashtrays		Range C
Pedestal safety ashtrays		Range C
Safe for Documents	NF EN ISO 1182	Range AD4
Safe for Documents	NF EN ISO 1182	Range AD3
1/2 hour fire resistant document cabinets		Range AD30
1 hour 30 min fire resistant document cabinets	NT Fire 017- 90	Range AD79
1 hour fire resistant filling/document cabinets	NT Fire 017- 60	Range AD76

RANGE P

CNPP - TNO - IBBC - NVBB



SECURIFLAMM SAFETY WASTE BINS



▲ 50RN

30MN ▲

▲ 18GP

CERTIFICATION

- In compliance with authorized TNO and IBBC n° B 89.623 ANPI and NVBB N° NT 108.

ADVANTAGES

- In case of fire inside the bin, the funnel form of the cover banishes the hot gases evacuation. The gases are sent back on the fire which is self-extinguished due to the lack of oxygene.
- Many models available (capacity and color).

TECHNICAL SPECIFICATIONS

- Built in steel 8/10th.
- High hemmed anti-cut edges and low anti-scratch edges.
- Funnel shaped safety cover makes the bin self-extinguishing.
- Epoxy paint: Cover and body of pearl grey color, Black cover and red body; Black cover and steel grey body.
- Capacity : 18, 30, 50, 80 and 110 litres.

P/N	Colour	Dimensions H x Ø (mm)	Capacity (L)	Weight (kg)
18GP	Pearl grey body and cover	360 x 255	18	1,7
18RN	Red body - Black cover	360 x 255	18	1,7
18MN	Steel grey body - Black cover	360 x 255	18	1,7
30GP	Pearl grey body and cover	470 x 335	30	3,9
30RN	Red body - Black cover	470 x 335	30	3,9
30MN	Steel grey body - Black cover	470 x 335	30	3,9
50GP	Pearl grey body and cover	625 x 335	50	4,6
50RN	Red body - Black cover	625 x 335	50	4,6
50MN	Steel grey body - Black cover	625 x 335	50	4,6
80GP	Pearl grey body and cover	510 x 450	80	8
80RN	Red body - Black cover	510 x 450	80	8
80MN	Steel grey body - Black cover	510 x 450	80	8
110GP	Pearl grey body and cover	710 x 450	110	9,3
110RN	Red body - Black cover	710 x 450	110	9,3
110MN	Steel grey body - Black cover	710 x 450	110	9,3

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Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE J**FM - UN - TÜV****FOOT OPERATED OILY WASTE CANS**

*09101



09100*

CERTIFICATION

- In compliance with FM (Factory Mutual) and UL (Underwriters Laboratories) specifications.
- Warning labels in compliance with ISO 3864,92/58/CEE European directive and NF X 08.003 norm.

ADVANTAGES

- Easy pedal opening leaves hands free.
- Natural ventilation allowing vapors emptying.

TECHNICAL SPECIFICATIONS

- Heavy duty terne plate construction.
- Yellow or red epoxy paint.
- Foot operated cover with self locking system.
- Round construction and raised, flow-through base dissipates.

P/N		Dimensions H x Ø (mm)	Capacity (L)	Conformity	Weight (kg)
Yellow	Red ⁽¹⁾				
09101	09100	764 x 302	20	FM - UL - TÜV	6
09301	09300	521 x 354	34	FM - UL - TÜV	7
09501	09500	568 x 408	52	FM - UL - TÜV	8
09701	09700	635 x 467	80	FM - UL - TÜV	12

⁽¹⁾No stock**RANGE A****EN 1869-1997****FIRE BLANKETS**

▲ 180120RRP

▲ 120120RRP

PRINCIPLE OF FUNCTIONNING

Fixed on the wall the fire blanket is supplied with two instantaneous release tapes which function as handles when the blanket is pulled from the container. The blanket itself acts as a heat shield protecting the users from the fire. When draped over a fire, it smothers the fire by starving it of oxygen, leading to rapid extinction. The fire blanket can also be used to wrap around a person whose clothes are on fire or to wrap around a hot or burning object.

CERTIFICATION

- In compliance with EN 1869-1997 European standard.

ADVANTAGES

- Wall fastening thanks to chest which allows immediate sight and rapid access.
- Extra-flat, very light and resistant.
- Immediate opening with two trapes.

TECHNICAL SPECIFICATIONS

- Made of fibreglass (420gr/m²). Extra-flat texture.
- Resists at least 900°C temperature.
- Instruction manual affixed on the blanket.

P/N	Models	Box dimensions H x W x D (mm)	Fire blanket dimensions (mm)	Conformity	Weight (kg)
180120RRP	Red flat wall blanket	360 x 160 x 35	1800 x 1200	EN	1
120120RRP	Red flat wall blanket	285 x 160 x 35	1200 x 1200	EN	1

RANGE C

FM - ADA
COMPLIANT



«SMOKERS» SAFETY ASHTRAYS



Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

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CERTIFICATION

- FM (Factory Mutual) approved and in compliance with ADA standards.

ADVANTAGES

- Innovative design fitting with environment.
- Outside coat easy to clean. No risk of corrosion. Great impact resistance.
- Designed for external and internal use.
- Removable internal recovery pail for easy cleaning.

TECHNICAL SPECIFICATIONS

- Built in flame-retardant high density polyethylene (HDPE).
- Galvanised steel recovery pail of 17,6 L.
- 38mm opening permits easy use and promotes good house-keeping.
- Rainbonnet covered opening keeps rain out and prevents from unwanted trash.
- Large head dissipates heat.
- Self extinguishing design allows lit butts to be dropped in.
- Built in, tie-down notches provide security from thefts or heavy wind.

P/N	Colour	Dimensions H x Ø (mm)	Conformity	Weight (kg)
26800-N	Black	1050 x 420	FM - ADA	7
26800-G	Grey	1050 x 420	FM - ADA	7
26800-T	Terra cotta	1050 x 420	FM - ADA	7
26800-B	Beige	1050 x 420	FM - ADA	7
26800-V	Green	1050 x 420	FM - ADA	7

RANGE AD4**NF EN ISO 1182****SAFE FOR DOCUMENTS**AD1204 [▲][▲] AD2004
+ ESAD4**CONFORMITY**

- Non-flammable insulation in between the walls, classified A1 according to EN ISO 1182 norm.

ADVANTAGES

- Fire retardant thanks to thermal insulation.
- Breaking resistance cabinet with 2 points locking and non removable doors.
- High storage capacity.

PASSIVE SECURITY

- Built in steel double wall 12/10th.
- Thermal insulation panels in between the walls, 20 mm thickness.

- White epoxy paint RAL 9010.
- Full adjustable shelf, with 75 Kg live load (on all the surface), painted with white epoxy paint RAL 9010.

ACTIVE SECURITY

- Self-latching doors.
- Key locking doors with 2 points lock.
- Chromium plated handle.

OPTION

- Additional shelf.
- Shelf for suspension files

P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	Number of shelves	Maximum load by shelf ⁽¹⁾	Weight (kg)
AD1204	Working cover cabinet for documents	1295 x 1000 x 450	1145 x 950 x 400	2	75	92
AD2004	Tall cabinet for documents	2095 x 1000 x 450	1945 x 950 x 400	4	75	145
ESAD4	Additional shelf for AD1204 and AD2004					5
ADOS4	Shelf for suspension files for AD1204 and AD2004					6

⁽¹⁾ Evenly distributed

RANGE AD3**NF EN ISO 1182****SAFE FOR DOCUMENTS**

AD130 ▲



▲ AD300

CONFORMITY

- Non-flammable insulation in between the walls, classified A1 according to EN ISO 1182 norm.

ADVANTAGES

- Thermal insulation on each side that allows to be fire retardant.
- Breaking resistance cabinet with 5 points locking.
- Low weight of the cabinet that allows to install in building where limited load is required.

PASSIVE SECURITY

- Built in steel double wall 9/10th.
- Thermal insulation panels in between the walls, 25 mm thickness.
- Epoxy paint :
- Light grey RAL 7035 for the doors,
- Dark grey RAL 7021 for the structure
- Full adjustable shelf, with 70 Kg live load (on all the surface), painted with white epoxy paint RAL 7035.

ACTIVE SECURITY

- Self-latching double doors
- Key locking with lock by 5 points of lock and double security.
- Black door handle.

OPTIONS

- Additional shelf.
- Shelf for suspension files



Shelf for
suspension
files (option)



P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	Number of shelves	Maximum load by shelf ⁽¹⁾	Weight (kg)
AD130	Working cover cabinet for documents	1226 x 930 x 500	1060 x 878 x 429	2	70	85
AD300	Tall cabinet for document	1950 x 930 x 500	1810 x 878 x 429	4	70	120
ESAD3	Additional shelf for AD130 et AD300					5
ADOS3	Shelf for suspension files for AD130 et AD300					6

⁽¹⁾ Evenly distributed

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Flammable
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range

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and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE AD30



1/2 HOUR FIRE RESISTANT SAFE FOR DOCUMENTS



Shelf for suspension files

CONFORMITY

- Tested in compliance with NT FIRE 017 Paper norm (1/2 hour Fire resistance).

ADVANTAGE

- Allow to store in safety your documents and protect them against fire and robbery.
- 1/2 hour Fire resistance according to ISO 834 heating curve.
- Pedestal area under-driveable by a forklift by removing panel.
- Lockable, non-sparking, three-point latching mechanism.

TECHNICAL SPECIFICATIONS

- Built in melamine-based wood, 38 mm thickness.
- Grey structure (RAL 7035), yellow edges (RAL 1023).
- Adjustable shelves (pitch: 32 mm).

- Doors with a lockable three-point latching mechanism.
- Adjustable leveling feet for enhance stability.

OPTIONS

- Additional shelf.
- Shelf for suspension files.



NUMBER OF WORKBOOKS SHELF

Width workbook (mm)	Shelf E703148 / EDS703148	Shelf E703235 / EDS703235 E30335U / EDS30335U
50	8	18
70	6	13

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Number of shelves	Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
3033UDE	Working cover cabinet for documents, 2 doors	1198 x 1092 x 537	799 x 978 x 325	1	50	170
3034DE	Tall cabinet for documents, 1 door	1980 x 605 x 550	1581 x 491 x 419	3	30	117
3035DE	Tall cabinet for documents, 2 doors	1980 x 1115 x 550	1581 x 1001 x 419	3	50	210
EDS703148	Shelf for suspension files for 3034DE				60	3
EDS703235	Shelf for suspension files for 3035DE				100	6
E703148	Additional shelf 3034DE				30	3
E703235	Additional shelf 3035DE				50	6
E30335U	Additional shelf 3033UDE				50	3

⁽¹⁾ Evenly distributed

RANGE AD76**NT Fire** 017-60 PaperFlammable
cabinetsCorrosive
cabinetsToxic cabinets
and multiriskPesticide
rangeFume hoods, filtering
cabinets - VentilationContainment
and CansAnti-fire equipments
and Files cabinetsShowers and first-
aid equipments

107



1 HOUR FIRE RESISTANT SAFE FOR DOCUMENTS

**CONFORMITY**

- Tested and approved according to NT FIRE 017-60 Paper norm (1 hour Fire resistance).

ADVANTAGE

- Allow to store in safety your documents and protect them against fire and robbery.
- 1 hour Fire resistance according to ISO 834 heating curve.

CARACTÉRISTIQUES TECHNIQUES

- Double wall construction:
• Outer housing made of sheet steel (12/10th) with high quality Epoxy coating RAL 9010.
• Inner body built in white (high pressure laminated).
- Thermal insulation panel between the walls avoiding thermal bridges.
- Handling door(s) with key-locking system.
- Shelves adjustable in height 64 mm pitch.

OPTIONS

- Additional shelf, contact us.
- Shelf for suspension files.
- Doors with different color possibilities on 764DE and 765DE models
• frame and shelves in white (RAL 9010); **doors in yellow (RAL1023)**

Shelf for
suspension files**NUMBER OF WORKBOOKS SHELF**

Width workbook (mm)	Shelf EDS76148	Shelf EDS76235
50	9	20
70	7	14

P/N	Description	Outside Dim. H x W x D (mm)	Inside Dim. H x W x D (mm)	Number of shelves	Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
768DE	Working cover cabinet for documents, 1 door	1050 x 635 x 615	820 x 490 x 410	2	30	191
763DE	Working cover cabinet for documents, 2 doors	1050 x 1135 x 615	820 x 1000 x 410	2	50	332
764DE	Tall cabinet for documents, 1 door	1850 x 635 x 615	1620 x 490 x 410	3	30	319
765DE	Tall cabinet for documents, 2 doors	1850 x 1135 x 615	1620 x 1000 x 410	3	50	448
EDS76148	Shelf for suspension files for 768DE and 764DE (load capacity: 60 kg ⁽¹⁾)				-	3
EDS76235	Shelf for suspension files for 763DE and 765DE (load capacity: 100 kg ⁽¹⁾)				-	6
E76148	Additional shelf for 768DE et 764DE (load capacity : 50 kg ⁽¹⁾)				-	3
E76235	Étagère à rebords supplémentaire pour 763DE et 765DE (charge admissible : 50 kg ⁽¹⁾)				-	6

⁽¹⁾ Evenly distributed.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 03/2015

RANGE AD79**NT Fire** 017-90 Paper

1 HOUR 30 FIRE RESISTANT SAFE FOR DOCUMENTS



Shelf for suspension files

794DE ▶



798DE ▲



793DE ▲

▲ 795DE

**CONFORMITY**

- Tested and approved according to NT FIRE 017-90 Paper norm (1 hour 30 Fire resistance).

ADVANTAGE

- Allow to store in safety your documents and protect them against fire and robbery.
- 1 hour Fire resistance according to ISO 834 heating curve.

CARACTÉRISTIQUES TECHNIQUES

- Double wall construction :
 - Outer housing made of sheet steel (12/10th) with high quality Epoxy coating RAL 9010.
 - Inner body built in white (high pressure laminated).
- Thermal insulation panel between the walls avoiding thermal bridges.
- Handling door(s) with key-locking system.
- Shelves adjustable in height 64 mm pitch.

OPTIONS

- Additional shelf, contact us.
- Shelf for suspension files.
- Doors with different color possibilities on 794De and 795DE models
 - frame and shelves in white (RAL 9010); doors in yellow (RAL1023)

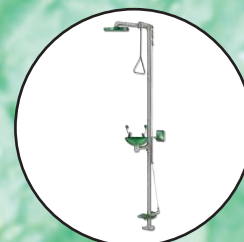
NUMBER OF WORKBOOKS SHELF

Width workbook (mm)	Shelf EDS79148	Shelf EDS79235
50	9	20
70	7	14

P/N	Description	Outside Dim. H x W x D (mm)	Outside Dim. H x W x D (mm)	Number of shelves	Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
798DE	Working cover cabinet for documents, 1 door	1050 x 635 x 615	820 x 490 x 410	2	30	191
793DE	Working cover cabinet for documents, 2 doors	1050 x 1135 x 615	820 x 1000 x 410	2	50	332
794DE	Tall cabinet for documents, 1 door	1850 x 635 x 615	1620 x 490 x 410	3	30	319
795DE	Tall cabinet for documents, 2 doors	1850 x 1135 x 615	1620 x 1000 x 410	3	50	448
EDS79148	Shelf for suspension files for 798DE and 794DE (load capacity: 60 kg ⁽¹⁾)				-	3
EDS79235	Shelf for suspension files for 793DE and 795DE (load capacity: 100 kg ⁽¹⁾)				-	6
E79148	Additional shelf for 798DE et 794DE (load capacity : 30 kg ⁽¹⁾)				-	3
E79235	Additional shelf for 793DE et 795DE (load capacity : 50 kg ⁽¹⁾)				-	6

⁽¹⁾ Evenly distributed.

SAFETY SHOWERS, EYE-WASHERS AND FIRST-AID EQUIPMENTS



Showers and first-aid equipments

Anti-fire equipments and Files cabinets

Containment and Cans

Fume hoods, filtering cabinets - Ventilation

Pesticide range

Toxic cabinets and multirisk

Corrosive cabinets

Flammable cabinets

RANGE DL**EN** 15154-1 **EN** 15154-2

SAFETY SHOWERS, EYE-WASHERS AND FIRST-AID EQUIPMENTS

MAIN INFORMATIONS

For security reasons, safety showers and eye-washers are highly recommended in every working area where chemical projections danger exist. Thus, they can be found in :

- Chemical and pharmaceutical industries,
- Food-processing and automobile industries,
- Chemical, petrochemical and biochemical laboratories,
- State workshops, car repair shops, printing houses,
- Universities and schools,
- Hospitals and clinics,
- Filtering stations and swimming pools...

Considered as first aid equipments, safety showers and eye-washers must be close to risky areas. The access must be easy and well indicated.

REGULATIONS

ISO 3864 :

ISO 3864

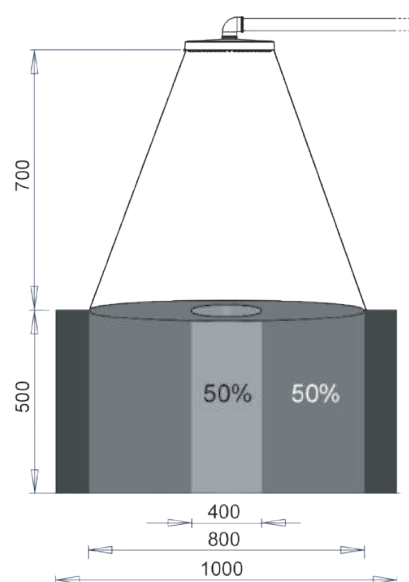
Labelling regulation : At the European level, it corresponds to 32/58/CEE instruction. All our first aid equipment are provided with labels in conformity with these standards.

EUROPEAN REGULATION EN 15154-1 :

EN 15154-1

This regulation concerns body showers, connected to water network. The main requirements are :

- The water distribution of the emergency body shower shall be measured by this procedures : At a distance of 700 mm below the shower head, 50% ($\pm 10\%$) of the volume of water delivered shall fall in a circle with a diameter of 400mm, and the area reached by Minimum 95% of the water shall be limited to a circle with a diameter of 800mm.
- When no national or local regulations apply, a constant flow rate of minimum 60l/min is suitable.
- The body shower shall be capable of delivering this supply for a minimum of 15 minutes.
- The velocity of the water spray shall be low enough to be non-injurious to the user
- The shower head shall be designed to be installed so that its lower edge is 2200 (± 100) mm above the level on which the user stands.
- The water valve shall not close automatically.
- The manufacturer shall supply information on installation, operation and maintenance as well as the method and frequency of routing testing.
- Showers must be provided with the appropriate label (please read above).





EUROPEAN STANDARD EN 15154-2 :

This regulation concerns eye-washers, connected to water network. The main requirements are :

- Plumbed-in-eye-wash units shall be able to deliver a constant flow rate of minimum 6l/min,
- Eye-wash units shall be capable of delivering this supply for minimum of 15 minutes,
- The velocity of the water shall be low enough to be non-injurious to the user,
- The jet of water supplied by the nozzles shall spray at a minimum height of 100 mm and may spray at a maximum height of 300 mm,
- The outlet nozzles shall be installed at a height of 1000 (± 200 mm) above the level on which the user stands
- The water valve shall not close automatically,
- The manufacture shall supply information on installation, operation and maintenance as well as the method and frequency of routing testing,
- Eye-washers must be provided with the appropriate label (please read above).

Water temperature:

EN 15154-1 et EN 15154-2 regulations recommend to use a water between 15°C and 37°C, in order not to worsen lesions of injured persons and to ensure a better comfort.. We advise you to use a thermostatic mixing valve (option as follow).

CHOOSE THE ADAPTED SOLUTION TO THE INCURED RISKS

Risks		First-aid solutions	Conformity
Projection on body	Stationary	Safety shower connected to water network	EN 15154-1
	Itinerant	Portable showers stations	R.232-1-6
Eyes and face projection	Stationary	Eye-washers connected to water network	EN 15154-2
	Itinerant	Autonomous eye-washers	R.232-1-6
Projection on body, eyes and face combined	Stationary	Safety combination units	EN 15154-1 EN 15154-2
	Itinerant	Portable shower stations and Autonomus eye-washers	R.232-1-6

INSTALLATION

It is recommended to install first aid equipments close to the dangerous areas. They must be easy to access (less than 10 seconds or 30 m) and free from walls or obstructions.

They must be clearly identified by the staff that would use the materials. The staff must be trained to use these products. Finally, the material linked to a water network must be checked at least once a month.

OPTIONS

THERMOSTATIC MIXING VALVE(MCL-MTD)

- For eye-washers: MCL
- For safety showers and combiantion units: MTD



▲ MTD



▲ KITCC

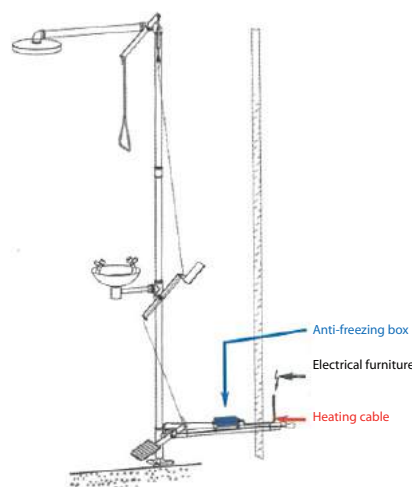


▲ MCL

HEATING CABLE KIT (KITCC)

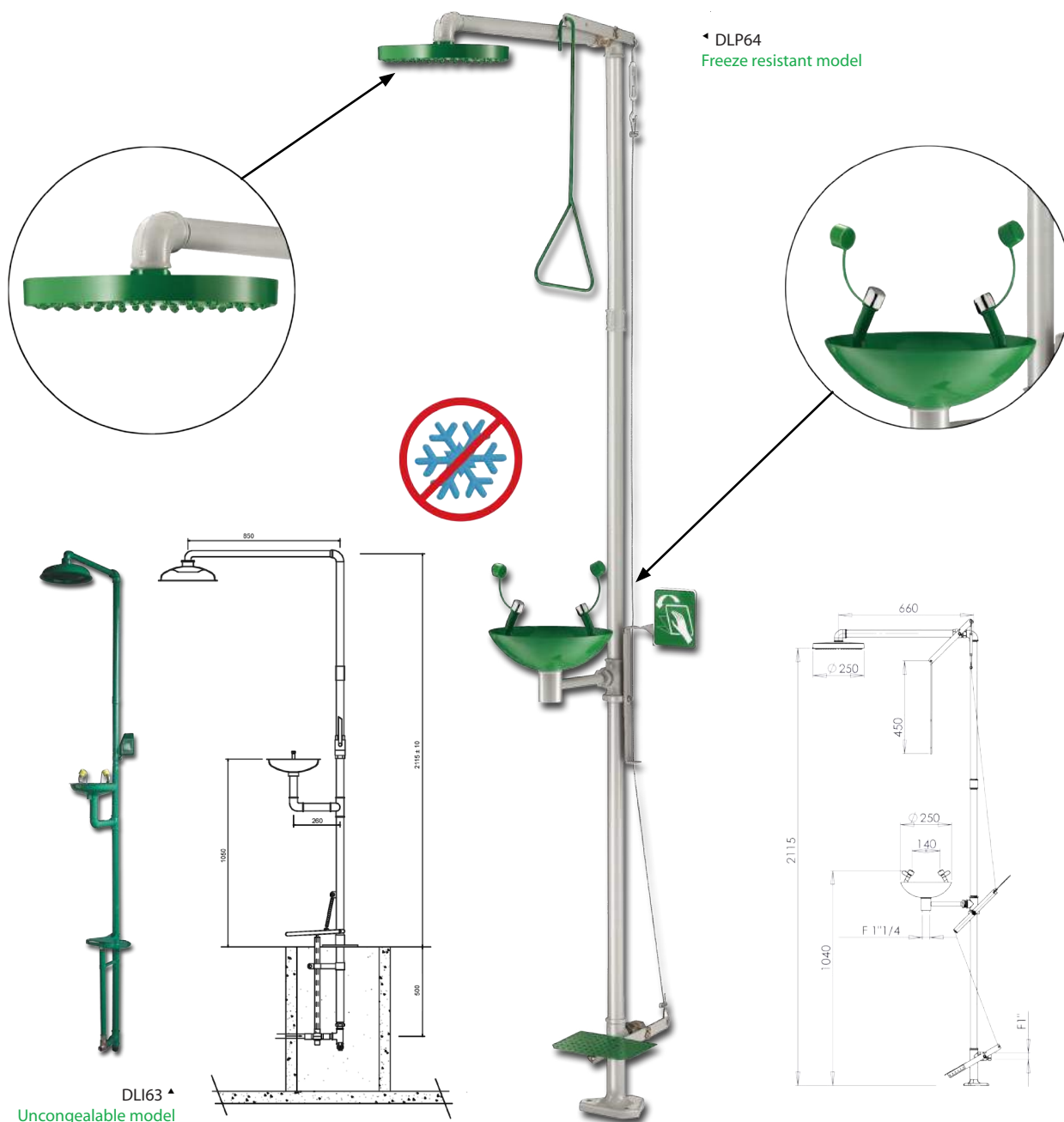
In order to avoid the risks, we recommend you to use a heating cable that prevent the risk of frozen water in the tubing untill -1°C. This solution can be used on every safety showers and eye-washers model.

Included: 1 m of heating cable, electrical furniture kit, and anti-freezing box.



RANGE DL**EN 15154-1 EN 15154-2**

SAFETY COMBINATION UNITS



P/N	Use	Operating	Mounting	Bowl	Shower head	Piping	Supply.	Draining	Flow (L/mn)		Weight (kg)	EN 15154-1	EN 15154-2
									Eye-washer	Shower			
DLP64	Indoor and outdoor ⁽¹⁾	Hand and foot operating	Pedestal mounted	Stainless steel + green epoxy paint RAL 6032	Green ABS RAL 6032	Galvanised steel + grey epoxy paint RAL 7040	F1"	F 1 1/4"	11,5	90	14	yes	yes
DLI63	Outdoor	Hand and foot operating	Pedestal mounted	Green ABS RAL 6029 BAS6029	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	F 1 1/4"	11.5	75	24	yes	yes

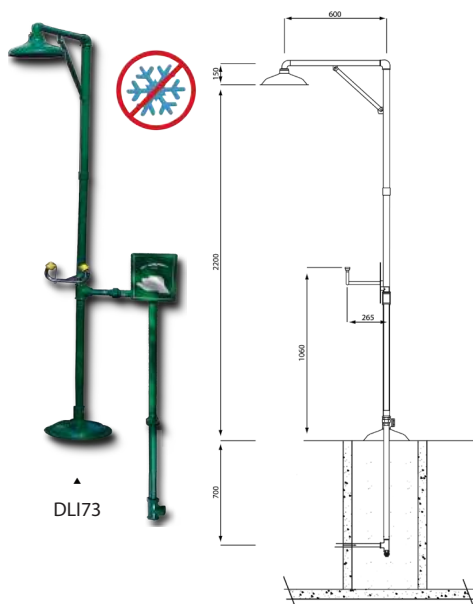
⁽¹⁾ We recommend to install a heating cable kit with this model (KITCC)

RANGE DL

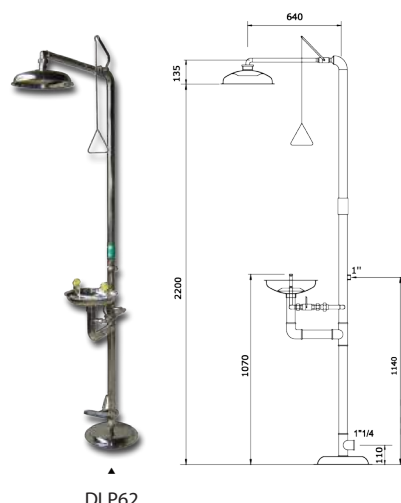
EN 15154-1 EN 15154-2



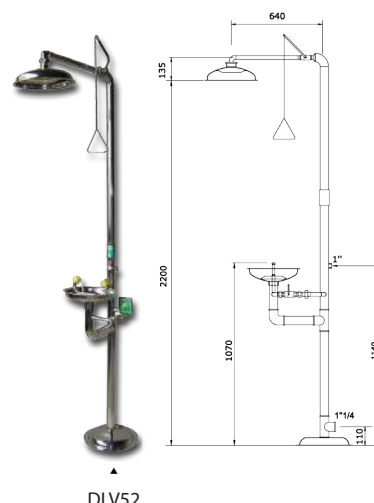
SAFETY COMBINATION UNITS



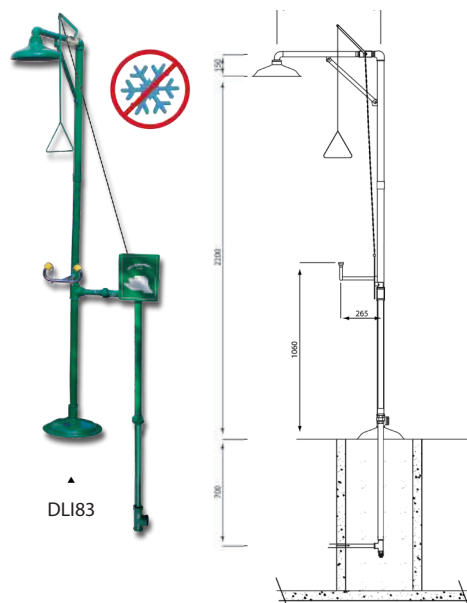
DLI73



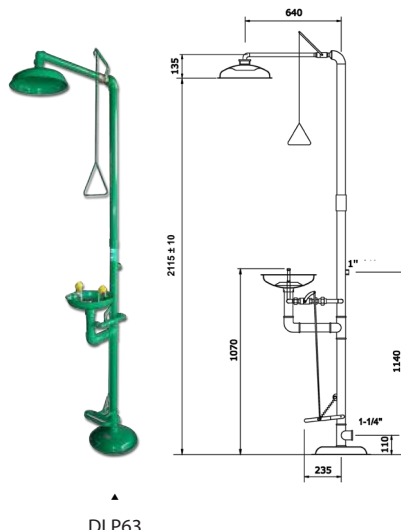
DLP62



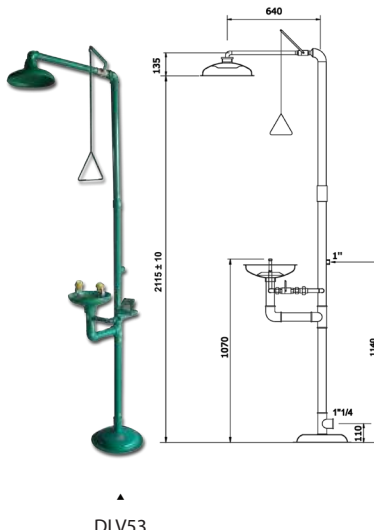
DLV52



DLI83



DLP63



DLV53

P/N	Use	Operating	Mounting	Bowl	Shower head	Piping	Supply	Draining	Flow (L/mn)		Weight (kg)	EN 15154-1	EN 15154-2
									Eye-washer	Shower			
DLV52	Indoor	Hand operating	Pedestal mounted	Stainless steel	Stainless steel	Stainless steel	F1"	F 1 1/4"	11,5	75	19	yes	yes
DLV53	Indoor	Hand operating	Pedestal mounted	Green ABS RAL 6029	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	F 1 1/4"	11.5	75	19	yes	yes
DLP62	Indoor	Hand and foot operating	Pedestal mounted	Stainless steel	Stainless steel	Stainless steel	F1"	F 1 1/4"	11.5	75	22	yes	yes
DLP63	Indoor	Hand and foot operating	Pedestal mounted	Green ABS RAL 6029	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	F 1 1/4"	11.5	75	23	yes	yes
DLI73	Outdoor	Hand operating	Pedestal mounted	-	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	F 1 1/4"	11.5	75	35	yes	yes
DLI83	Outdoor	Hand operating	Pedestal mounted	-	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	F 1 1/4"	11.5	75	36	yes	yes

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Flammable cabinets

Corrosive Flammable

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

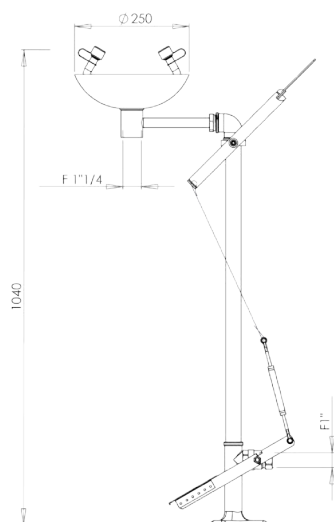
Containment and Cans

Anti-fire equipments and Files cabinets

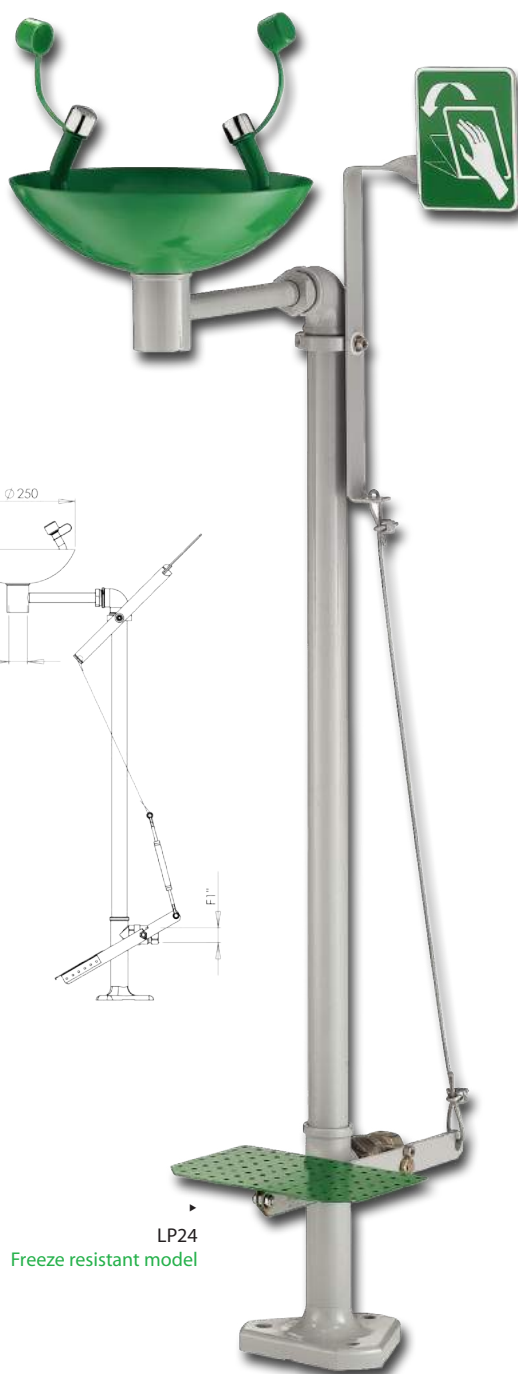
Showers and first-aid equipments

RANGE DL**EN 15154-2**

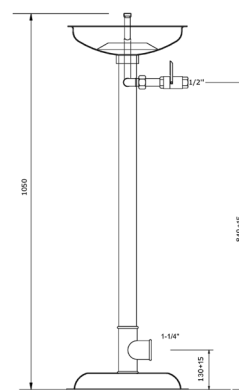
PEDESTAL MOUNTED EYE-WASHERS



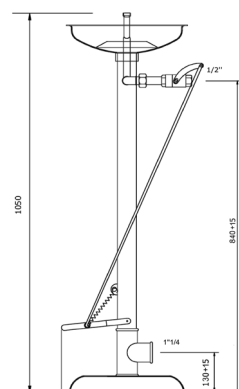
LP24
Freeze resistant model



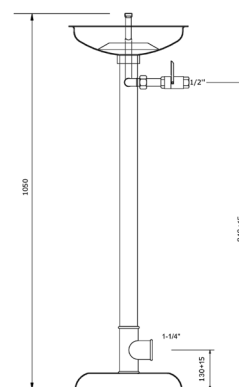
◀ LV22 ▶



◀ LP22 ▶



◀ LV23 ▶



P/N	Use	Operating	Moun- ting	Bowl	Piping	Supply	Draining	Flow (L/mn)	Weight (kg)	EN 15154-2
								Eye-washer		
LP24	Indoor and outdoor ⁽¹⁾ 	Hand and foot operating	Pedestral mounted	Stainless steel bowl + green epoxy paint RAL 6032	Galvanised steel + grey epoxy paint RAL 7040	F 1"	F 1 1/4"	15	8	yes
LV22	Indoor	Hand operating	Pedestral mounted	Stainless steel	Stainless steel	F 1/2"	F 1 1/4"	11,5	10	yes
LP22	Indoor	Foot operating	Pedestral mounted	Stainless steel	Stainless steel	F 1/2"	F 1 1/4"	11,5	11	yes
LV23	Indoor	Hand operating	Pedestral mounted	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F 1/2"	F 1 1/4"	11,5	10	yes

⁽¹⁾ We recommend to install a heating cable kit with this model (KITCC)

RANGE DL

EN 15154-2



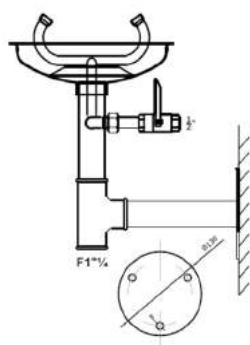
WALL MOUNTED EYE-WASHERS



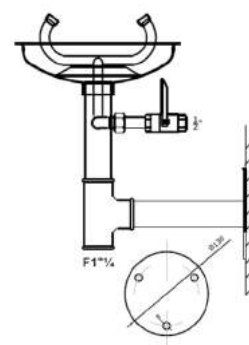
▲ LV14



▲ LV13



▲ LV12



P/N.	Use	Commande	Operating	Bowl	Piping	Supply	Draining	Flow (L/mn)	Weight (kg)	EN 15154-2
								Eye-washer		
LV14	Indoor	Hand operating	Wall mounted	Stainless steel bowl + green epoxy RAL 6032	Galvanised steel + grey epoxy paint RAL 7040	M 1/2"	F 1 1/4"	15	3,2	yes
LV13	Indoor	Hand operating	Wall mounted	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F 1/2"	F 1 1/4"	11,5	5,1	yes
LV12	Indoor	Hand operating	Wall mounted	Stainless steel	Stainless steel	F 1/2"	F 1 1/4"	11,5	5,8	yes

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Flammable cabinets

Corrosive Flammable

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

Flammable cabinets

Corrosive cabinets

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

RANGE DL

EN 15154-1



WALL MOUNTED AND PEDESTAL SAFETY SHOWERS



P/N	Use	Operating	Mounted	Shower head	Piping	Supply	Flow (L/mn)	Weight (kg)	EN 15154-1
							Eye-washer		
DS13	Indoor	Hand operating	Wall mounted	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	75	5	yes
DS24	Indoor	Hand operating	Wall mounted	Green ABS RAL 6032	Galvanised steel + grey epoxy paint RAL 7040	F1"	90	4	yes
DS23	Indoor	Hand operating	Wall mounted	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	75	4,4	yes
DS32	Indoor	Hand operating	Pedestal mounted	Stainless steel	Stainless steel	F1"	75	15	yes
DS33	Indoor	Hand operating	Pedestal mounted	Green ABS RAL 6029	Galvanised steel + green epoxy paint RAL 6029	F1"	75	14	yes

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 11/2014

RANGE DL

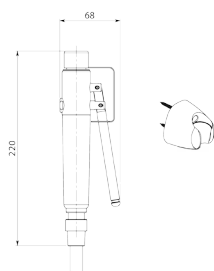
EN 15154-2



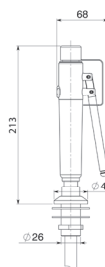
EMERGENCY SPRAY UNITS



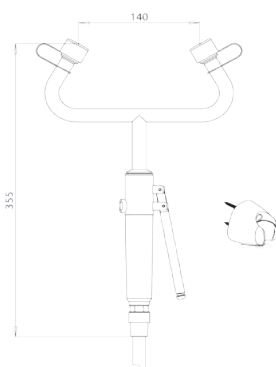
^DS04



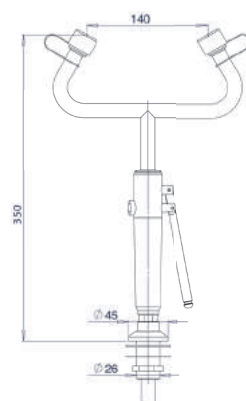
^DS54



^LV04



^LV54



P/N	Use	Operating	Mounted	Drench hose (m)	Supply	Flow (L/mn)	Weight (kg)	EN 15154-2
						Eye-washer		
DS04	Indoor	Hand operating	Wall mounted (wall bracket supplied)	1,5	M1/2"	16	1	yes
DS54	Indoor	Hand operating	Deck mounted	1,5	M1/2"	16	1	yes
LV04	Indoor	Hand operating	Wall mounted (wall bracket supplied)	1,5	M1/2"	15	1,5	yes
LV54	Indoor	Hand operating	Deck mounted	1,5	M1/2"	15	1	yes

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Flammable cabinets

Corrosive Flammable

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

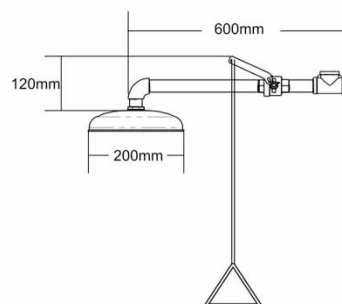
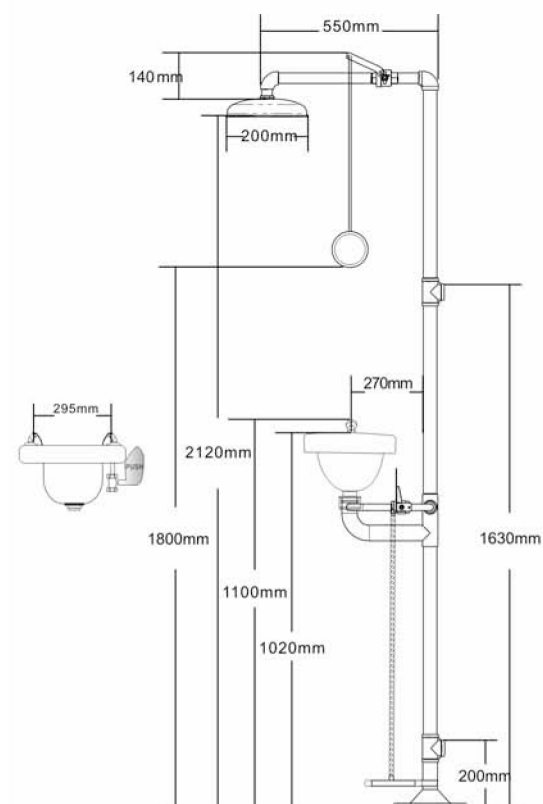
Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

RANGE DL**EN** 15154-1 **EN** 15154-2

SAFETY COMBINATION UNIT WALL MOUNTED SAFETY SHOWER



P/N	Use	Operating	Mounting	Bowl	Shower head	Pipping	Supply	Draining	Flow (L/mn)		Weight (kg)	EN 15154-1	EN 15154-2
									Eye-washer	Shower			
DLP69	Indoor	Hand and foot operating	Pedestal mounted	Green ABS	Green ABS	Galvanized steel + green epoxy paint	F 1"¼	F 1"¼	11,5	76	18	yes	yes
DS19	Indoor	Hand operating	Wall mounted	-	Green ABS	Galvanized steel + green epoxy paint	F 1"¼	-	-	76	5	yes	-

RANGE DL

EN 15154-2



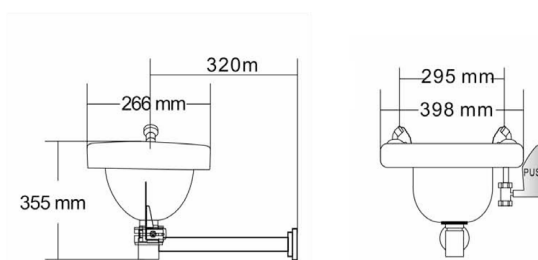
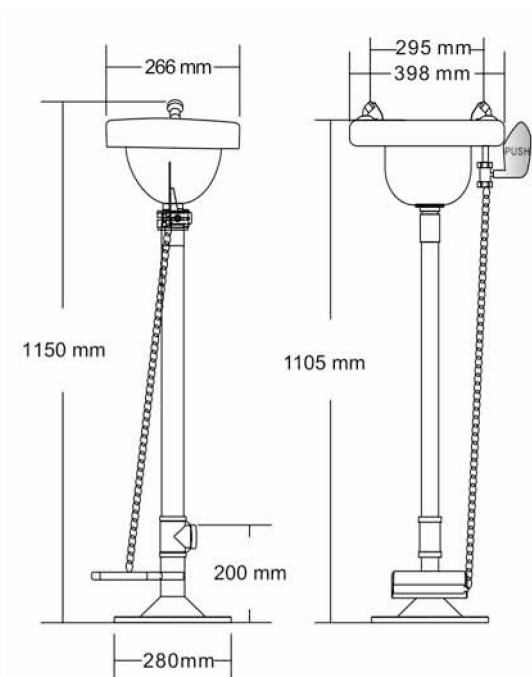
PEDESTALL AND WALL MOUNTED EYE-WASHER



LP29



LV19



P/N	Use	Operating	Mounting	Bowl	Pipping	Supply	Draining	Flow (L/mn)	Weight (kg)	EN 15154-2
								Eye-washer		
LP29	Indoor	Hand operating	Pedestal mounted	Green ABS	Galvanized steel + green epoxy paint	F 1/2"	F 1 1/4"	11,5	10	yes
LV19	Indoor	Hand operating	Wall mounted	Green ABS	Galvanized steel + green epoxy paint	F 1/2"	F 1 1/4"	11,5	5	yes

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 01/2014

Flammable cabinets

Corrosive Flammable

Toxic cabinets and multirisk

Pesticide range

Fume hoods, filtering cabinets - Ventilation

Containment and Cans

Anti-fire equipments and Files cabinets

Showers and first-aid equipments

RANGE DL



SELF-CONTAINED SHOWERS AND EYE-WASHERS



◀ KLY – Eye-wash kit

Delivered with: 1x 500 ml bottle with sodium chloride solution
• 1 eye-wash bottle • 2 eye-pads • 1 scissors • 1 soft tissues (pack)
• 1 adhesive tape • 2 sterile bands (18 x 40 mm) • 1 booklet with directions for use.

▶ DPA6/DPA9 – Portable shower station

Tested tank, built in E243 and E244 steel • Green epoxy paint. Capacity 6 or 9 liters • Spraying shower in polyamid and fiber glass • Direction for use printed on the tank • Delivered with one CO₂ cartridge installed • Warning : Delivered without liquid. Necessary to fill up with mineral water • Do not use in direct contact with skin or eyes.



◀ SP1F



◀ S1F



◀ SP2F



◀ SM1F



◀ SM2F



◀ SF2F

WALL MOUNTED EYE-WASHERS

P/N	Description	Weight (kg)	Delivered with : bottle (ml)			
			Sterile sodium Chloride solution (green)		pH neutral Solution (blue)	
			200	500	200	500
SM1F	Eye-wash station with 1 bottle 500 ml	0,9	-	1	-	-
SM2F	Eye-wash station with 2 bottles 500 ml	1,7	-	2	-	-
SF2F	Eye-wash closed station with 2 bottles 500 ml	1,8	-	2	-	-
S1F	Belt bag with 1 bottle 200 ml for eyes	0,5	1	-	-	-
SP1F	Station with 1 bottle 1 l for body and eyes	1,4	-	-	-	1
SP2F	Station with 2 bottles for body and eyes	1,2	-	1	1	-
KLY	Eye-wash kit	1	-	1	-	-
DPA6	Portable shower station - 6L (H460 x Ø180 mm)	4	Delivered without liquid - Delivered with CO ₂ 40g cartridge			
DPA9	Portable shower station - 9L (H605 x Ø180 mm)	5	Delivered without liquid - Delivered with CO ₂ 60g cartridge			

CONSUMABLES

P/N	Description	Weight (kg)	Can be used with
FR200	200ml bottle with sterile sodium chloride solution	0,4	S1F
FR500	500ml bottle with sterile sodium chloride solution (set of 2 bottles)	1,2	SM1F - SM2F - SF2F - SP2F - KLY
FR1PH	1000 ml bottle with pH Neutral solution	1,1	SP1F
FR200PH	200 ml bottle with pH Neutral solution	0,3	SP2F
CDPA6	Replacement CO ₂ cartridge for DPA6 (40g)	0,2	DPA6
CDPA9	Replacement CO ₂ cartridge for DPA9 (60g)	0,3	DPA9

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Flammable cabinets

Corrosive
Flammable

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 19



MEDICINE CABINETS



AS5 ▲



▲ AS5DD



Chest for toxic products

TALL MEDICINE CABINETS ▲

TECHNICAL SPECIFICATIONS

- Built in steel 10/10th.
- White epoxy paint RAL 9010.
- «First-aids» normalized labels.
- Shelves adjustable in height.
- Door(s) with key locking system.

- Chest for toxic products :

- Dimensions : H 370 x W 600 x P 450 mm.
- Dangerous products security reinforced.
- Chest can be used as a shelf with step.
- «Toxic products» normalized label.
- Key locking system.
- Different lock and keys for the cabinet and the chest.

OPTIONS

- Additional shelf.



◀ MF25



MF15 ▼

WALL MOUNTED MEDICINE CABINETS ►

TECHNICAL SPECIFICATIONS

- Built in steel 10/10th.
- Epoxy paint: white RAL 9010.
- «First-aids» normalized label.
- Shelves adjustable in height.
- Key locking system.

P/N	Description	Outside dim. H x W x D (mm)	Inside dim. H x W x D (mm)	Shelf number	Maximum load by shelf ⁽¹⁾ (kg)	Weight (kg)
MF15	Wall mounted medicine cabinet (small model)	380 x 470 x 205	370 x 460 x 170	2	10	10
MF25	Wall mounted medicine cabine (tall model)	580 x 470 x 205	570 x 460 x 170	4	10	15
AS5	One door tall medicine cabinet	1825 x 560 x 545	1795 x 555 x 480	3x ESAS5 + coffret	50	80
AS5DD	Two doors tall medicine cabinet	1825 x 1100 x 545	1795 x 1095 x 480	3x ESAS5D + 1x ESAS5 + chest	50	155
EE1	Additional shelf for AS5	30 x 550 x 465	-	-	-	3
ESASDD	Additional shelf for AS5D	30 x 990 x 465	-	-	-	6

⁽¹⁾ Evenly distributed

« IN SITU » FORM: DELIVERY ON SITE

PART 1 - JANUARY 2015

Company Name:	
Address:	
Postcode and City:	
Building – Floor – Room:	
Contact Name:	
Phone number:	
Opening Times:	

Dealer Name : _____ **Purchase Order N°:** _____

1 – Please provide the expected delivery date: _____ / _____ / _____

2 – Do a 3,5 tons truck can deliverer easily: ☐yes ☐no
 if not, do a truck less of 3,5 tonnes can: ☐yes ☐no
 Is a tailgate truck necessary: ☐yes ☐no

3 - In case we are delivering several products, please confirm if all the units will be positionned in the same building and room? ☐yes ☐no

4 – Delivery on deck + positioning unit(s) to the ground floor, maximum 2 steps: ☐yes ☐no

– Positioning unit to higher floor with elevator: ☐yes ☐no

– Please, indicate the floor level (for each unit):

- Please check:

a) The elevator dimensions (must add extra 10cm on each dimensions and extra man's weight) ☐yes ☐no

b) The doors dimensions (must add extra 20cm on height) ☐yes ☐no

c) The permissive floor weight must be fulfill ☐yes ☐no

IF ONE CONDITION OF QUESTION 4 IS ANSWERED NO – PLEASE COMPLETE THE FOLLOWING PAGE IN ORDER TO GET MORE INFORMATION

If the condition c) is not respected, we invite you to contact our sales department to define a suitable product.

Name: _____ Seal and
 Function: _____ signature

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range

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cabinets - Ventilation

Containment
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« IN SITU » FORM: DELIVERY ON SITE

PART 2 - JANUARY 2015

Attention : Part 2 is focusing on the manpower positioning

1 – If the condition c) of the first solution isn't fulfilled, we advise you to contact our sales department in order to define a product more adapted to your needs.

2 – Would you like a specialist on site in order to estimate the cost of this positioning (option) : ☐ yes ☐ no

All incorrect or forgotten information that does not allow a possible delivery will immediately be re-invoiced.

3 – Stairs:

Beware: Please check that you have 20cm extra on the height, width and depth of the cabinet so as to be able to deliver correctly when climbing the stairs.

TYPE	Dimension	Ceiling height	Floor or Underground	Floor Coating
Circular Staircase				
Straight Stairway				
Winding Stairway				
Winding Stairway with intermediate landing ⁽¹⁾				

⁽¹⁾Please precise the number of landing

Doors:

- Number of doors: _____ doors
- Dimensions in cm : Height _____ x Width _____

Additional informations: _____

FOR EXTRA PAYING OPTIONS DO CONTACT US:

- ☐ MSE1: We will check if the product is well levelled
- ☐ MSE2 : Connection between the boxes (ventilation and filtration) and the cabinet (do not concern the connection between the cabinet and the building)
- ☐ MSFL : Setting up a filter in a ductless fume hood or a cabinet
- ☐ MSPL : Setting up a work surface in glass on a ductless fume hood

Name:

Function:

Seal and

signature

GENERAL SALES CONDITIONS

JANUARY 2015

1. GENERAL PRINCIPLE

a. Field of applications

These general sales conditions apply exclusively to all sales of products and services associated to those sales, made by ECOSAFE S.A. All orders to our company implies unreserved acceptance by the buyer of these terms and sales conditions, which prevail over any terms and purchase conditions, except conditions namely accepted in writing by our company.

b. Use

All the equipments we manufacture and supply are exclusively for dangerous products users under their own responsibility. We remind that our products meet the requirements of European standards. Customers who want to use those products in a non-European country, must ensure, after completing the necessary checks, that they are in conformity with the regulations of their country. We decline all responsibilities if these supplies would be misused to their original use or do not match with local laws.

2. PRODUCTS AND CATALOGS

All specifications, dimensions, weights, colors, photographs etc, described in our catalog, are only indicative and can be modified at any time. We reserve the right to make any timely modifications, without notice, on our material, as well as in terms of their appearance, as their dimensions, and that, without changing their intrinsic quality. The technical specifications contained in our valid catalog, cancel and replace those previously published. Whatever care we take to complete the catalog, some mistakes may be slipping in. The customer can't claim against us for these mistakes.

In as per Article 18 of Decree 2005-829 on the composition of electrical and electronic equipment and the elimination of waste from this equipment, obligations related to the organization and funding of the removal and treatment of these wastes are transferred to the Customer and will be under its responsibility.

3. PRICE VALIDITY

Prices or quotations indicated in our catalogs and price list are valid at the time of their printing or distribution. They cancel and replace previously indicated quotations and prices. All our prices are set up excluding VAT, Ex works our European warehouse, unless contrary written indication and subject to increase when a significant increase in raw materials and / or currencies appears.

4 ORDERS

a. Writing

All orders must be sent to us in writing (by email, fax or mail) on the basis of the catalog and the current rates or quote sent to the customer, and will be completely accepted by our company after emission of an order confirmation in writing (order acknowledgment). Any cancellation or order modification will be considered only after express written agreement of our company. Considering products and services and on request of the customer, all quotes will need to be validated by the customer and acknowledge by us. In any case, any execution of delivery would be considered as acceptance of the quotation by the customer. The quotations are drawn to the needs of the customer. Any extension of benefits initially requested will result in the establishment of a new quote or additional specifications to be submitted to the same process as above.

b. Acceptance of orders

All orders accepted by a written confirmation engage our company towards our customers and services. However, cases of war, embargo or ban of the import or export, disruption of raw materials or energy, interruption of computer systems or telecommunications, civil wars, etc. will be considered as case of absolute necessity and relieve us from the obligation to deliver or perform the services provided.

5. DELIVERY DATE

The delivery times indicated on our quotes, proforma invoice or order acknowledgments are given in good faith but without commitment.

While our company strives to respect in any case, any delay would not justify the cancellation of the order, or give rise to compensation or penalties. Our delivery begins from the date of order acknowledgment. In case of stock shortage, we keep the right to make partial deliveries, after having previously informed the customer and received its approval. The provisions relating to orders and specifying such late penalties or other can only applied after written and personal acceptance by our company. If the buyer cannot take delivery of the goods at the time of provision provided in the acknowledgment of order, all necessities actions will be taken to store them in the best conditions. The corresponding costs will be invoiced to the buyer. Delivery can only be made if the customer is current on their obligations to company and if the specific conditions accepted by the customer and ECOSAFE S.A. are fulfill.

6. DELIVERY AND ASSOCIATED SERVICES

6.1 Shipping and Reception

We choose the shipping method that seems the most convenient for our customers or apply the agreed procedure on order acknowledgment. The customer must prevent of any constraints and / or restrictions that do not allow all types of carriers to perform properly its delivery. We mainly use large carriers of more than 19 tonnes. Delivery is made either by direct equipment delivery to the customer, either by simple pick up at our warehouse by customer, or by delivery to a forwarder or shipper. Our prices are always given Ex-works. Installation and setting up costs are not included in our prices unless preceding agreements. Our goods travel at the risk of the recipient (Article 133-3 of the Commercial Code). The consignee of the goods is committed at the receipt:

a/ to check the state and the quantity of the goods received by opening packages in the presence of the delivery driver, and before signing the waybill or delivery bill.

b/ to make, in case of damaged or missing items, specific remarks on the transport receipt specifying their nature precisely.

c/ to notify the forwarder of damages or missing items by registered letter with acknowledgment of receipt within 48 hours from receipt date of goods, in compliance with Article L 133-3 of the Commercial Code.

These checks are essential especially if the packaging do not show visible external signs of shocks or blows. Apart from the arrangements to take towards the carrier, claims about damages must be made in writing, by registered letter, within 48 hours from receipt date of goods at the place of delivery. This complaint shall state the references of the order acknowledgment and the delivery bill. Without that steps, goods will be deemed to have been accepted by the consignee and without any damage or deterioration. If delivery is made at the request of the purchaser at his customer location, it is up to the latter to do or cause to be carried out by the customer, to whom is concerned, all checks, all claims to the arrival of the equipment, in as per Article L 133-3 of the Commercial Code and proceed, if it's applicable, and in all possible regulatory action against the carrier in as per Article L133-6 of the Commercial Code. Any claim, whatsoever shall be will not be registered by our company if it was not made by registered letter within 48 hours from the date of delivery of goods.

6.2 Risk transferts

Risk transfers of sold products perform at removal of equipment in our warehouse or at the reception when unloaded by forwarder.

6.3 Reservation of Title clause

Unless prior decision written by our company, notified to the customer before delivery of each order, we will retain full ownership of the delivered goods until full payment of the price, accessories and transport, as well as to perfect performance by the customer of its obligations to our company. Until then, the products delivered will be considered as returnable and the customer shall bear all risks relating to damages that the products may suffer or arising for any reason whatsoever. Our Company may enjoy the rights it holds because of this clause for any of its claims and all of its products in the possession of the buyer. As the goods remain the property of our company, they cannot be resold or modified. However, as mere tolerance, and for the

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Toxic cabinets
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Containment
and Cans

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sole purpose of its activity,

we allow the buyer to resell the goods, provided he performs upon receipt of the full price still due, the corresponding sums. However, now, pledged on our behalf in as per Article 2071 of the Civil Code, the buyer becoming mere custodian of the price. We reserve the right to cancel any sale and take all the goods subject to reservation of title clause if an invoice expired is not set (and after notice to the buyer). When opening a reorganization or liquidation, pending orders, delivered or not, will be automatically suspended expecting regularization. This clause does not preclude any action for damages and interest claims of our company, to compensate for the shortfall or damage suffered.

6.4 Impossibility to deliver or reception cancellation

For any goods in delivery, refused without any good reasons or impossible to deliver for any reasons (wrong address, un-adapted building, no one at reception desk, wrong delivery hours or period, etc), or any other circumstances impossible to anticipate by us, the cost of re-delivery of goods will be additionally invoiced to the customer.

7. PAYMENT CONDITIONS

Unless mentioned on our order acknowledgment document, our payment conditions are payment in advance. Usually, we accept only wire transfer from bank to bank. Nevertheless, in agreement with our account department, some other payment conditions can be discussed.

8. LATE PAYMENT

In conformity with Article L441.6 of commercial code, any late in payment will lead to, if the supplier decided to, from the first day of late:

- Apply an interest rate similar to the more recent financing one of European Central Bank with 10 points in addition (as recommended by the Economy modernization law)
- Apply an inclusive compensation for recovery costs of 40 Euros (European directive 2011/7 of 16th February 2011, law 2012-387 of 22nd March 2012, and decree 2012-1115 of 2nd October 2012),
- When recovery costs claims are superior to the inclusive compensation, an additional compensation will be claim (with justifications).

For any late in payment, we keep the right to stop all deliveries, without penalties, and cancel all current orders or any other necessary action way. The payment of all partial delivery becomes obviously necessary at the payment date mentioned on the invoice, and not at the complete delivery of goods. All decrease rate on customer notation could lead to the request of payment warranties and/or payment in advance, before taking off or sending of orders. In no way, the payment due to ECOSAFE S.A. can be suspended or renegotiated without prior written agreement from ECOSAFE S.A.

No warranty retention money can be applied without prior written agreement from ECOSAFE S.A.

Therefore, mentioning a warranty retention money in the purchase conditions of the customer is unapplied and unrecognized by ECOSAFE S.A.

9. GOODS RETURN

No return will be accepted without prior written agreement of our sales department or our sales administration that will notify the restrictions and methods and will send to the customer a return delivery note. In this case, the items will be returned in their original packing, in DDU incoterms, to the address communicated by our services. No return of articles that are not specifically on our catalogue will be accepted. A fee of 30% of total amount, without taxes, will be invoiced to the customer for inspection and re-stock items in addition to the transport cost (go and back) and specific handling.

Moreover, all agreement of return will be subjected to these below conditions:

- The customer must notified by written document the request of return in the 7 days after the first delivery
- The product must be from our manufacture and unmodified.
- The return item must be unused, along with all accessories,

documentation and must be in its original sending packing not open.

- The return transport is at the charge of the customer.
- The product must be returned and insured by the customer

No return will be agreed for products that would have been subjected to associated services, except if the customer accepts all the costs of the mentioned services. The non respect of these conditions will lead to the pure reject of the return goods, knowing that our company will not accept any responsibility considering the risks in transport, and that, even if goods are already in our warehouse. In case of written confirmation from our side, a reference number will be communicated to the customer as well as instructions to follow for the return goods. In case of justified claims, our responsibility will be limited to the replacement product or to its reimbursement in case of product out of stock.

10. WARRANTY

The goods and new equipments that we are selling are under warranty for one year against all manufacture defects from the date indicated on the delivery note. Our warranty can be applied only in case of manufacture defects or hidden fault. The warranty cover only the replacement of the goods, or the pieces known as faulty by our technical and quality department, as only one able to judge where the problem comes from. It's strictly limited to repairing the goods in our factory. The spare parts are under warranty during 3 months after their installation. The warranty could not be applied when goods won't have been stocked, used or maintained by the customer in conformity with good uses and using instructions, as well as good damaging by the customer or anyone else, as well as in the case where goods would have been modified or repaired by the customer or anyone else without prior written agreement of our sales and technical department, as well as in case of fair wear and tear or non payment at the right date for a part or entire good. The activation of the warranty won't extend the term. Our warranty stops in fully rights if the customer won't have prevented us in a 7 days term after seeing the fault, date that the customer must prove. The warranty will be excluded in the following cases:

- Normal wear and tear of the product
- Using spare parts not coming from our factory
- Modification of the product or incompatibility with other goods
- Bad or wrong use of the product in relation with its specifications or bad storage or maintenance of the customer
- Bad installation of the product
- Troubles caused by corrosion

11. APPLICABLE LAW AND COURT

The supplier and customer will firstly try to find a friendly solution. In case of failure, the applicable law will be the Swiss law. Any claim as per the validity, misinterpret or execution will be submitted to the trade court of Lausanne (Switzerland). ECOSAFE will keep the right to ask for any other higher court of its choice.

12. FILES AND LIBERTY

In the case of orders and messages, ECOSAFE S.A. will collect personal data. These data are stored and treated in conditions that ensure their safety. Some of these data are necessary for treating some requests or orders of our customers.

In this way, the customer may receive from Ecosafe some offers, promotions, etc.. If the customer does not want to receive any information, he can ask to be cancelled from our listings by sending an Email at sales@ecosafesa.com

We keep the right to communicate these information to third party, except if customer ask for the contrary.

13. INTELLECTUAL PROPERTY

Photographs, drawings, logos and text on our commercial leaflets, on paper or digital, including our web sites, registered or not with an intellectual property office are the exclusive property of ECOSAFE S.A. Any intellectual property breach will lead to legal proceedings. All trademarks and logos referenced and mentioned in our technical and sales leaflets are registered and belong to their own owner.

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INDEX BY RANGE

P/N	Page	P/N	Page	P/N	Page	P/N	Page	P/N	Page
Range 1	29	Range 7.90	10	Range 12.X	80	Range 16.K	60	Range AD79	108
Range 1.M	48	Range 7.90ARD	26	Range 13	53	Range 16.L	59	Range BR	89-91
Range 2	30	Range 7.90BG	24	Range 14	46	Range 18	49	Range C	103
Range 3/5	32	Range 7.90M	14	Range 14.E	45	Range 19	122	Range DL	110
Range 3030	18	Range 7030	22	Range 14.F	98	Range A	102	Range G	90
Range 3030.M	20	Range 8.A	38	Range 14.L	50	Range AD3	105	Range H	62
Range 4	37	Range 8.B	40	Range 14.T	51	Range AD4	104	Range J	94-102
Range 6	56	Range 11.A	52	Range 14.X	82	Range AD30	106	Range K	93
Range 7.60	16	Range 11.B	54	Range 16.E	60	Range AD76	107	Range M	93

ALPHANUMERIC INDEX

P/N	Page	P/N	Page	P/N	Page	P/N	Page	P/N	Page
08540	95	28704	90	791ARD	26	AF1X1	81	ASDV	47
08912	95	28923	90	791T	13	AF2-2X	81	ASP	47
09100	102	28926	90	792E	13	AF2X	81	ASV	47
09101	102	30GP	101	792	13	AF2X1	81	ASVM11	47
09300	102	30MN	101	792ARD	26	AF3X	83	ASVM22	47
09301	102	30RN	101	792M11	15	AF4-2X	81	AT60	56
09500	102	320-10L	97	792T	13	AF4-3X	81	AZ110	45
09501	102	320-20I	97	793E	13	AF4-4X	81	AZ110B	45
09700	102	320-5L	97	793	13	AF5-2X	83	AZ110R	45
09701	102	321-10L	97	793DE	108	AFP3X	83	AZ110V	45
10111	94	321-20L	97	793M11	15	AFP5-2X	83	AZ150	45
10118	95	321-5L	97	793M12	15	AJ3	49	AZ150B	45
101-1L	97	4RPV	56	794E	13	AJ3D	49	AZ150R	45
101-2L	97	50GP	101	794EJ	13	AJ4	49	AZ150V	45
101-5L	97	50MN	101	794	13	AJ4D	49	AZ300	45
10218	95	50RN	101	794BG	23	AK28905	90	AZ300B	45
102-1L	97	51000	93	794DE	108	AK28906	90	AZ300R	45
102-2L	97	51061B	93	794M2	15	AL110	50	AZ300V	45
102-5L	97	3031	19	794M3	15	AL112	59	AZ50	45
10291	95	3031E	19	794M4	15	AL150	50	AZ50B	45
10311	94	3032	19	795E	13	AL152	59	AZ50R	45
10318	95	3032E	19	795EJ	13	AL300	50	AZ50V	45
10511	94	3032M11	21	795	13	AL302	59	AZVENT	45
10608	94	3033U	19	795-900	13	AL50	50	B04M	37
10611	94	3033UDE	106	795-900E	13	AL52	59	B04S	37
10808	94	3033UE	19	795BG	23	ALF1	98	B18M	37
10811	94	3034	19	795DE	108	ALF2	98	B18S	37
110GP	101	3034DE	106	795M11	15	ALF6	98	B22M	37
110MN	101	3034E	19	795M12	15	ALF9	98	B22S	37
110RN	101	3034M2	21	795M13	15	ALT150	51	B24M	37
120120RRP	102	3034M3	21	795M22	15	ALT300	51	B24S	37
12161	95	3034M4	21	798E	13	AMM1300	69	B30M	37
12260	95	3035	19	798	13	AMM1500	69	B30S	37
12762	95	3035DE	106	798DE	108	AMM200	69	B30335U	19
12765	95	3035E	19	798M2	15	AMM2300	69	B3036U	19
14018	95	3035M11	21	80GP	101	AMM2500	69	B45M	37
140331104	97	3035M12	21	80MN	101	AMM300	69	B45S	37
140331374	97	3035M13	21	80RN	101	AMM3500	69	B60M	37
140410434	97	3035M22	21	9000	120	AMM400	69	B60S	37
140410444	97	3035U	19	9003IS	120	AMM50	69	B701148	19
14065	95	3035UE	19	9003ISAI	120	AMM500	69	B701235	19
14561	95	3036U	19	91AA75	120	AMS10	29	B703148	21
1619-J	93	3036UE	19	A1T	47	AMS100	29	B703235	19
1619-R	93	761E	17	A2+2P	47	AMS100SE	29	B76148	17
1626-J	93	761	17	A2+2PCA	47	AMS10M11	48	B76235	17
1626-R	93	761T	17	A2P	47	AMS20	29	B76235-900	17
1633-J	93	762E	17	A2PCA	47	AMS200	29	B79148	13
1633-R	93	762	17	A2T	47	AMS200SE	29	B79235	13
18GP	101	762-900	17	A3P	47	APC106	38	B79235	91
18MN	101	762-900E	17	A3PCA	47	APC107	40	B79235-900	13
18RN	101	762T	17	A3T	47	APC111	38	B794	91
180120RRP	102	763E	17	A4T	47	APC112	40	BA30	56
202-10L	97	763	17	AB56	47	APC221	38	BAC400	92
202-25L	97	763-900	17	AB56SV	47	APC222	40	BAC600	92
202-50L	97	763-900E	17	AB60	56	APC31	38	BCDE	56
213-10L	97	763DE	106	AB75	52	APC32	40	BH1300	73
213-25L	97	764E	17	AB75SC	52	APC61	38	BH1500	73
213-50L	97	764EJ	17	AB590	56	APC62	40	BH200	72
213K-25L	97	764	17	ABST120	56	APC91	38	BH2300	73
215-15L	97	764DE	106	AC150	60	APC92	40	BH2500	73
215-25L	97	765E	17	AC30	56	APK152	60	BH300	72
215-50L	97	765EJ	17	AC300	60	APK302	60	BH3500	73
2634FF	120	765	17	AD1204	104	AS	47	BH400	72
26800-B	103	765-900	17	AD130	105	AS5	122	BH500	73
26800-G	103	765-900E	17	AD2004	104	AS5DD	122	BP	33
26800-N	103	765DE	106	AD300	105	AS60	56	BR100	91
26800-T	103	768E	17	ADOS3	105	AS75SC	52	BR1000	91
26800-V	103	768	17	ADOS4	104	ASDD	47	BR20	91
28234	90	768DE	106	AF10	81	ASDM11	47	BR250	91
28254	90	791E	13	AF11	81	ASDM22	47	BR30	91
28703	90	791	13	AF1X	81	ASDP	47	BR40	91

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations. 08/2015

Flammable
cabinets

Corrosive
cabinets

Toxic cabinets
and multirisk

Pesticide
range

Fume hoods, filtering
cabinets - Ventilation

Containment
and Cans

Anti-fire equipments
and File cabinets

Showers and first-
aid equipments

P/N	Page	P/N	Page	P/N	Page	P/N	Page	P/N	Page	P/N	Page
CE300	60	ESAL300	59	H206	70	HEP300	72	P066	120	SEAL300	59
CHJ	86	ESAMS1	29	H207	70	HEP3500	73	P066IS	120	SECUMAX30	130
CMAT	86	ESAMS2	29	H208	70	HEP400	72	P066ISAI	120	SECUMAX90	130
CMN15	86	ESASDD	47	H209	70	HEP500	73	P849	120	SECURITE+	56
CMN60	86	ESE150	45	H210	72	J853	120	P849IS	120	SEPVC	47
CORG1301	73	ESE150	60	H211	72	J853IS	120	P849ISAI	120	SEPVC	89
CORG1501	73	ESE300	45	H2300	73	J853ISAI	120	P992IS	120	SET9201	120
CORG201	72	ESE300	60	H2301	73	JF10D	83	PEH/PEV	75	SET9203	120
CORG203	69	ESMF4	53	H2303	70	KITCC	111	PFF	81	SF2F	121
CORG2301	73	ESP18	37	H2304	70	KL100	86	PL135	73	SFA2	73
CORG2501	73	ESP1T	47	H2305	70	KLY	121	PL20	72	SH1300	73
CORG301	72	ESP22	37	H2305TR	73	KRC	86	PL235	73	SH1500	73
CORG303	69	ESP24	37	H2306	70	KRPMSE	71	PL335	73	SH200	72
CORG3501	73	ESP30	37	H2307	70	L137	120	PL34	72	SH2300	73
CORG401	72	ESP45	37	H2308	70	L137IS	120	PL50	73	SH2500	73
CORG501	73	ESP60	37	H2309	70	L435AG75	120	PLV60IS	120	SH300	72
CORG51	84	EX120G	29	H2310	73	LP22	114	PLV60ISAI	120	SH3500	73
CORGFC	2	EX500G	29	H2311	73	LP24	114	PMAF	81	SH400	72
CPN15	86	FCR	2	H2500	73	LU135	73	PMSF1300	71	SH500	73
CT90	86	FLH1200	76	H2501	73	LU20	72	PMSF1500	71	SM1F	121
CTAT	86	FLH1500	76	H2503	70	LU235	73	PMSF200	71	SM2F	121
CVAT	86	FLH900	76	H2504	70	LU335	73	PMSF300	71	SP1F	121
DLI63	112	FLV1200	77	H2505	70	LU34	72	PMSF400	71	SP2F	121
DLI73	113	FLV1500	77	H2505TR	73	LU50	73	PMSF500	71	SPMF4	53
DLI83	113	FLV900	77	H2506	70	LUH1200	76	PSM1200	76	ST60	56
DLP62	113	FOR1300	73	H2507	70	LUH1500	76	PSM1500	76	SV150	52
DLP63	113	FOR1500	73	H2508	70	LUH1800	76	PSM900	76	SV30	56
DLP64	112	FOR200	72	H2509	70	LUH600	76	R100	86	SV50	33
DLV52	113	FOR203	69	H2510	73	LUH900	76	RA794BG	25	SV50	56
DLV53	113	FOR2300	73	H2511	73	LUV1200	77	RH794BG	25	SV90	52
DPA6	121	FOR2500	73	H300	72	LUV1500	77	RH795BG	25	T555AH75IS	120
DPA9	121	FOR300	72	H301	72	LUV1800	77	RO9000	120	T701148	19
DS04	117	FOR303	69	H303	70	LUV600	77	ROH/ROV-Vide	75	T701235	19
DS13	116	FOR3500	73	H304	70	LUV900	77	ROH/ROV-Air	75	T703148	21
DS23	116	FOR400	72	H305	70	LV04	117	ROH/ROV-Eau	75	T703235	19
DS24	116	FOR50	84	H305TR	72	LV12	115	ROH/ROV-gaz	75	T76148	17
DS32	116	FOR500	73	H306	70	LV13	115	ROH/ROV-Nitro	75	T76235	17
DS33	116	FORFC	2	H307	70	LV14	115	ROH/ROV-Universel	75	T76235-900	17
DS54	117	FR1PH	121	H308	70	LV22	114	RRA-40	92	T79148	13
E701148	19	FR200	121	H309	70	LV23	114	RRA404	92	T79235	13
E701235	19	FR200PH	121	H310	72	LV54	117	RRA404ES	92	T79235-900	13
E701235	19	FR500	121	H311	72	M100/4	56	RRA-60	92	T843IS	120
E703148	19	FTR5	33	H3500	73	MB04	31	RRA604	92	T843ISAI	120
E703235	19	G03	33	H3501	73	MB12	31	RRA604ES	92	TA135	67
E76148	17	G04	33	H3503	70	MB12S	31	RRP2	92	TA20	67
E76235	17	G06	33	H3504	70	MB18	31	RT188	86	TA34	67
E76235-900	17	G1204E	33	H3505	70	MB22	31	S1204T	33	TA50	67
E79148	13	G2004B	33	H3505TR	73	MB30	31	S1F	121	TCMF4	53
E79235	13	G2006B	33	H3506	70	MB30S	31	S2004T	33	THF/TVF1200	76-77
E79235	89	G316IS	120	H3507	70	MC45	31	S2006T	33	THF/TVF1500	76-77
E79235-900	13	G803G	33	H3508	70	MC45S	31	S604T	33	THF/TVF1800	76-77
E794	54	G804G	33	H3509	70	MC60	31	S804T	33	THF/TVF600	76-77
E794	89	G806G	33	H3510	73	MC60S	31	S806T	33	THF/TVF900	76-77
E8A2	38	GL03	33	H3511	73	MC90	31	SB04	31	TO30	56
E8A2	54	GL04	33	H400	72	MCL	111	SB12	31	TP79148	13
E8A2	89	GL06	33	H401	72	MF1	53	SB12S	31	TP79235	13
EDS30335U	106	H1300	73	H403	70	MF15	122	SB18	31	TR135	67
EDS76148	107	H1301	73	H404	70	MF2	53	SB22	31	TR20	67
EDS76235	107	H1303	70	H405	70	MF25	122	SB30	31	TR235	67
EDS79148	108	H1304	70	H405TR	72	MF4	53	SB30S	31	TR335	67
EDS79235	108	H1305	70	H406	70	MF4SV	53	SB701148	19	TR34	67
EE1	47	H1305TR	73	H407	70	MR1	54	SB701235	19	TR50	67
EE2	47	H1306	70	H408	70	MR1B	54	SB703148	19	TRAC	81
ELE39	86	H1307	70	H409	70	MR3	54	SB703235	19	TROA	81
ELE75	86	H1308	70	H410	72	MR3B	54	SB76148	17	TROR	81
ENTINOX	97	H1309	70	H411	72	MR6	54	SB76235	17	TTF135	67
ENTINOX-CD	97	H1310	73	H50	84	MR6B	54	SB79148	13	TTF20	67
EP	33	H1311	73	H500	73	MR9	54	SB79235	13	TTF235	67
ES11A	52	H1500	73	H501	73	MR9B	54	SBPVC	47	TTF34	67
ES12	31	H1501	73	H503	70	MTD	111	SBPVC	89	TTF50	67
ES18	31	H1503	70	H504	70	N15M	86	SC45	31	TTR135	67
ES1T	47	H1504	70	H505	70	N15TADF	86	SC45S	31	TTR20	67
ES22	31	H1505	70	H505TR	73	N60S	86	SC60	31	TTR235	67
ES30	31	H1505TR	73	H506	70	ORG1300	73	SC60S	31	TTR34	67
ES45	31	H1506	70	H507	70	ORG1500	73	SC90	31	TTR50	67
ES60	31	H1507	70	H508	70	ORG200	72	SE701148	19	U452AJ75	120
ES90	31	H1508	70	H509	70	ORG203	69	SE701235	19	U452AJ75IS	120
ESAD3	105	H1509	70	H510	73	ORG2300	73	SE703148	19	U452AJ75ISAI	120
ESAD4	104	H1510	73	H511	73	ORG2500	73	SE703235	19	U580NG	120
ESAF2-2X	81	H1511	73	H55	84	ORG300	72	SE76148	17	V125	86
ESAF2X	81	H200	72	H60	79	ORG303	69	SE76235	17		
ESAJ	49	H201	72	HEP1300	73	ORG3500	73	SE79148	13		
ESAJDD	49	H203	70	HEP1500	73	ORG400	72	SE79235	13		
ESAL150	50	H204	70	HEP200	72	ORG50	84	SEAL150	50		
ESAL150	59	H205	70	HEP2300	73	ORG500	73	SEAL150	59		
ESAL300	50	H205TR	72	HEP2500	73	ORGFC	2	SEAL300	50		

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Showers and First-
aid equipments

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Multirisks safety cabinets with ventilation and filtration in as per the highest regulation **EN 14470-1** : Fire resistance 90 or 30 minutes and **NF X 15-211⁽¹⁾** : Filtration of the fumes



SECUMAX90 ▲

SECUMAX30 ▲

INCLUDED:

- Tested and certified according to EN 14470-1 F90 or F30 cabinets
- ⁽¹⁾ Ventilation/Filtration system and retention capacity of the charcoal filter tested and certified according to NF X 15-211-may 2009 (universal ⁽²⁾ active charcoal filter included).
- Multi-chemicals storage
- 4 separate compartments
- Containment shelves and sumps.
- Key locking
- Normalized labels

- ➔ FIRE RESISTANCE OF 105 OR 30 MIN (ABOVE THE REQUIREMENT)
- ➔ HEALTH AND ENVIRONMENTALLY SAFE
- ➔ PURIFIED FUMES
- ➔ EASY TO INSTALL
- ➔ GOOD STORAGE BY CHEMICALS FAMILIES
- ➔ IN CERTIFICATION WITH PUBLIC HEALTH REGULATIONS
- ➔ BETTER FINDING OF POSSIBLE LEAKS
- ➔ SAFE PRODUCTS AGAINST MALEVOLENTLY
- ➔ IDENTIFIED HAZARDS

⁽¹⁾ The latest generation «CORG» filter absorbs a large majority of chemicals commonly used in laboratories : organic and inorganic acids, solvents and organics.



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