



Flammable cabinets



Corrosive cabinets



Toxics cabinets and multirisk

Pesticide range



Fume hoods and cabinets

Retention and cans



Anti-fire equipments and Files cabinets

Showers and first-aid equipments

Edition 10/2009

SAFETY CABINETS FOR CORROSIVES



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 bread types of storage can be proposed concerning corrosives:

The first type, dedicated to slightly corrosive products, are steel safety cabinets with high resistance 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 fluohydric 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.

CERTIFICATION:

The homologated laboratory – MPA Dresden (GER) – has controlled and certified GS our safety cabinets (Range 8-A page 4, Range 10 page 5 and Range 12 page 7).

The GS certification guarantees the quality and the very good level of security of our products (respecting our manufacturer recommendations).



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.



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RANGE 4

FM - NFPA - OSHA - UL



FM SAFETY CABINETS FOR CORROSIVE PRODUCTS



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.
- Self-closing* or manual doors.
- 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 high).
- Static ground connection.
- B24M and B24S models equipped with extra polywork tray.

ACTIVE SECURITY

- High and low vent Ø 50 mm with grid.
- Continuous piano hinge.
- Manual or self-closing doors.
- 3 points stainless steel bullet latching system.
- Doors with key-locking system.

OPTIONS

- Additional shelf.
- Industrial absorbent mats for retention tank (10 pieces by pack) Ref. JF10D.

Réf.	Doors with lock	External dim. H x W x D (mm)	Internal dim. H x W x D (mm)	Storage capacity (L)	Retention capacity (L)	Number of shelves	HDPE Protections	Weight (kg)
B04M	Manual	610 x 430 x 430	465 x 345 x 360	15	6	1	2	30
B04S	Self-closing							32
B18M	Manual	610 x 1090 x 460	515 x 1005 x 390	64	20	1	2	75
B18S	Self-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	90
B22S	Self-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	92
B24S	Self-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	105
B30S	Self-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	140
B45S	Self-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	170
B60S	Self-closing							173
ESP60	-	Additional shelf for 228 litres cabinet						9

* According to models.

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RANGE 8.A

CORROSION RESISTANT LABORATORY CABINETS FOR ACIDS AND BASES



CONFORMITY

- 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).
- Tested and approved GS by MPA DRESDEN laboratory.

ADVANTAGES

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

PASSIVE SECURITY

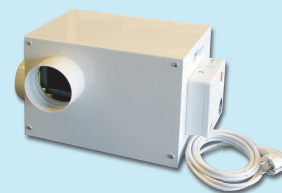
- Built entirely in white cellular PVC.
- "Corrosive", "Base" and "Toxic" large warning labels (only the 3 for APC106 model).
- Adjustable retention sliding drawers for each major compartment.
- Independant compartments (except APC31 model) for acid, base or/and toxic products storage (only for APC106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

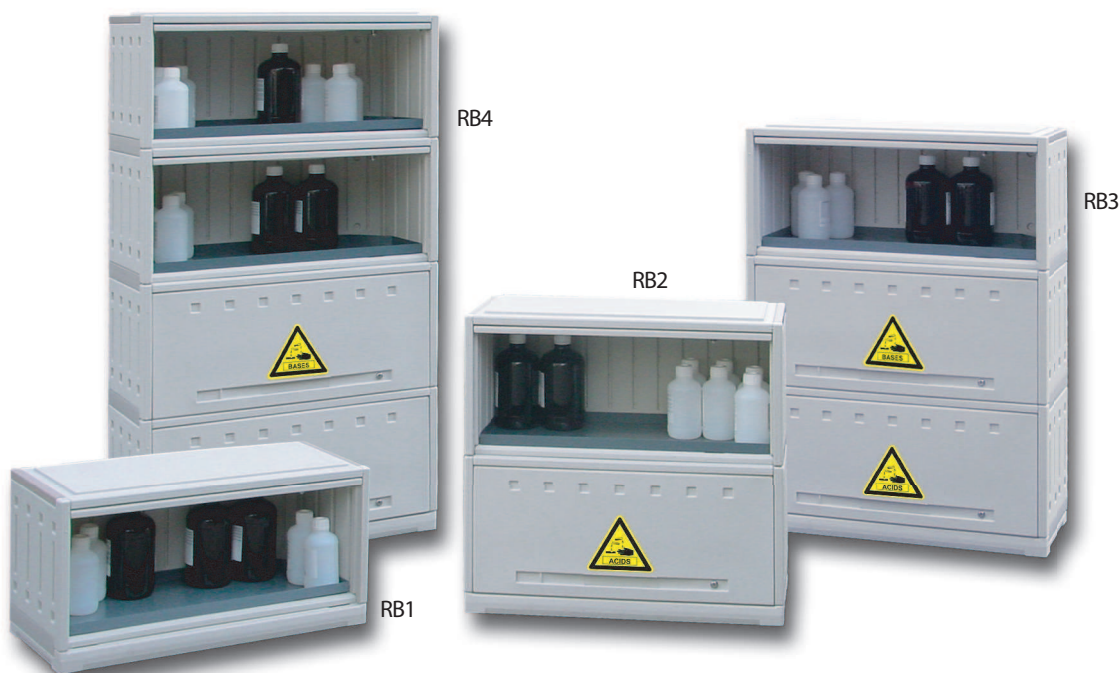
To protect the users health and to improve the life cycle and the safety of your cabinet, we recommend to install an exhausting system. Contact us for more information.



The manufacturer keeps the right to modify technical characteristics without notice. Edition: 10/2009.

Ref.	External Dim. H x W x D (mm)	Number of compartment		Number of retention		Storage capacity (kg)	Retention capacity (l)	W. (kg)
		Major	Secondary	Drawers in major comp.	Shelves in secondary comp.			
APC31	670 x 635 x 615	1	1	2	2	68	28	35
APC61	670 x 1135 x 615	2	0	4	0	96	44	70
APC91	1850 x 635 x 615	2	2	6	6	150	84	84
APC111	900 x 1135 x 615	2	0	6	0	144	66	93
APC221	1850 x 1135 x 615	2	0	8	0	192	88	124
APC106	1850 x 635 x 615	3	3	5	5	170	70	89

POLYETHYLENE SAFETY CABINETS FOR ACIDS AND BASES



CONFORMITY

- Large warning labels in compliance with ISO 3864, 92/58/CEE European directive and NF X08.003 norm.
- Tested and approved GS by MPA DRESDEN.

ADVANTAGES

- Especially designed for acids and bases storage.
- Built in high density polyethylene (HDPE) with a high resistance to vapours and corrosive liquids.
- Equipped with shelves for acid and base separate storage (except model RB1).

PASSIVE SECURITY

- Entirely built in light grey high density polyethylene (HDPE).
- "Acid" and "Base" warning labels.
- Removable retention tank in PVC (at each level; retention capacity 6 l per tank).

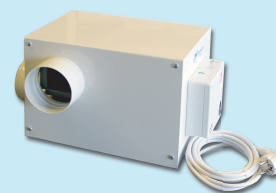
ACTIVE SECURITY

- Front opening with retractable door.
- Door(s) with lock (for each level).

OPTIONS

- 4 swivel castors for RB1 and RB2 models (60 mm of extra height).
- Opening vent Ø 100 mm (must be ordered with the cabinet).

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 more information.



Ref.	Description	External Dim. H x W x D (mm)	Internal Dim. H x W x D (mm)	Storage capacity (L)	Weight (kg)
RB1	Safety cabinets with 1 compartment	480 x 950 x 410	330 x 850 x 360	35	15
RB1VENT	Opening vent for RB1 (must be ordered with the cabinet)				-
RB2	Safety cabinets with 2 compartments	900 x 950 x 410	(2x) 330 x 850 x 360	70	30
RB2VENT	Opening vent for RB2 (must be ordered with the cabinet)				-
RB3	Safety cabinets with 3 compartments	1320 x 950 x 410	(3x) 330 x 850 x 360	105	45
RB3VENT	Opening vent for RB3 (must be ordered with the cabinet)				-
RB4	Safety cabinets with 4 compartments	1740 x 950 x 410	(4x) 330 x 850 x 360	140	60
RB4VENT	Opening vent for RB4 (must be ordered with the cabinet)				-
RBROU	4 swivel castors for RB1 or RB2				0,5

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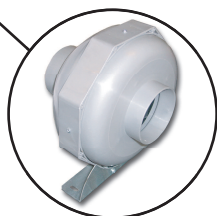
Showers and first-aid equipments

RANGE 11.A

SAFETY CABINETS WITH 2 COMPARTMENTS



AB75



Fan integrated



AB55



Additional shelf in PVC

CONFORMITY

- Large warning labels in compliance with ISO 3864, 92/58/CEE European directive and NF X08.003 norm.
- Tested and certified GS by MPA DRESDEN laboratory.
- 0 marking.

ADVANTAGES

- Strictly separated acid and base storage in compliance with the National Institute of research and Safety at work.

PASSIVE SECURITY

- Built in steel 15/10th. Double wall doors in steel 15/10th.
- White epoxy paint RAL 9010.
- "Acid" and "Base" large warning labels.
- Retention shelves in steel adjustable in height.

- Additional retention 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 connexion).
- Handling doors with key-locking system.
- 220V-50Hz electric fan.

OPTIONS

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

Ref.	Description	Dimensions H x W x D (mm)	Compartment capacity		Nb of shelves	Nb of base through	Fan	Compartment type			W. (kg)
			Storage (l)	Retention (l)							
AB55	Under-bench cabinet with fan	Ext. 685 x 1105 x 500 Int. (2x) 650 x 530 x 470	60 (2x 30)	56 (2x28)	2	2	90 m ³ /h	x	x		60
AB55SC	Under-bench cabinet without fan						-	x	x		
AS55SC	Under-bench cabinet without fan						-	x		x	
AB75	Tall cabinet with fan	Ext. 2080 x 560 x 560 Int. (2x) 890 x 530 x 470	110 (2x 55)	70 (2x35)	4	2	110 m ³ /h	x	x		75
AB75SC	Tall cabinet without fan						-	x	x		
AS75SC	Tall cabinet without fan						-	x		x	

RANGE 12.X

FILTERING VENTILATION SAFETY CABINETS (MELAMINE-BASED WOOD)

CONFORMITY

- Adsorption capacity in compliance with NF X 15-211 norm.
- Large warning labels in compliance with ISO 3864 and NF X08.003 norms, 92/58/CEE European directive.
- In compliance with the health regulation articles (R5132-66 and R5132-68).
- Tested and approved GS by MPA DRESDEN.
- Electric fan in compliance with O specifications.

ADVANTAGES

- Cabinet delivered ready to use.
- Independent cabinet ensuring perfect security.
- Elimination of dangerous vapours.
- No need of connection to an exhausting 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.
- Control of the saturation level with reactive coded tubes.
- Specialised high efficiency activated charcoal filter treated following chemical products stored.
- Dust pre-filter, 92% efficiency with less than 3 µm particles.
- Easy change of activated charcoal cell.

TECHNICAL SPECIFICATIONS

Storage compartment:

- Built in white melamine-based wood.
- Large glazed door with framing.
- 4 perforated shelves adjustable in height.
- Double air inlet at the bottom.
- Key-locking system.
- Drawer/retention tank at the bottom with absorbing mat.

Ventilation/filtration compartment:

- Built in 15/10th steel with white epoxy paint (RAL 9010).
- Noiseless fan : 220 volts - 50 Hz - 0,2 A - 47 watts; flow: 200 m3/h; IP20 protection, sound level 49 dB(A); delivered with cable and plug.

OPTIONS

- **Additional shelf.**
- **Activated charcoal filters:**
 - The cabinets are delivered without activated charcoal filter. You must to select one in the table (at the bottom of this page) depending on your products storage.
- **Control of filter saturation level by FILTRALARM:**
 - Control lead.



- Adjustment allowing the detection of filter saturation level and faulty air flow.
 - Sound alarm indicating a malfunction in the device.
 - Light 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.

CAUTION! The activated charcoal filter **must be changed** at least once a year

Ref.	Description	Ext. Dimensions H x W x D (mm)	Int. Dimensions H x W x D (mm)	Storage capacity (bottles) 1 L or 2,5 L	Retention capacity (L)	Weight (kg)
AF1X	Safety cabinet in melamine-based wood without filter	1900 x 800 x 545	1500 x 760 x 500	140 or 60	30	115
ORG300	Activated charcoal filter for organic vapours (yellow)	70 x 730 x 380	-	-	-	14
COR300	Activated charcoal filter for corrosive vapours (blue)	70 x 730 x 380	-	-	-	15
PMAF	Manual pump					0,4
TROR	Pack of 10 reactive tubes for "organic tests"					0,08
TRAC	Pack of 10 reactive tubes for "corrosive tests"					0,08
TROA	Pack of 5 reactive tubes for "organic tests" and 5 reactive tubes for "corrosive tests"					0,08
SFA2	Filteralarm (to order imperatively with cabinet)					5
ESAF1	Additional shelf for AF1X					-

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RANGE V**ISO 3744** **CE** **Ex**

VENTILATION AND FILTRATION BOXES

CDV-A
+ KRC option**CDF-P**
+ KRC option

VENTILATION BOX (CDV-A)

USE AREA

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

CONFORMITY

- Fan in compliance with ISO 3744; 0 marking.
- Fan in compliance with ATEX on request. Please contact-us.

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 100mm (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.
- Steel electric scroll engine installed on silentblocs:
 - 220/240 volts - 50Hz - 97 W - 0,54 A - 55,5 dB(A)
 - Flow: 215m³/ hour- Protection IP44
 - Exhaust inlet and outlet: Ø 100 mm .
 - Switch ON/OFF with lighting control.

CONNECTING KIT (KRC)

This kit allows to connect easily your vent box to your safety cabinet:

- 1 connection unit Ø 100mm(ref. CHJ) to be fixed on the cabinet air outlet.
- 1 metre of flexible tube Ø 100 mm (ref. KL100).
- 2 clamp collars Ø 100mm (ref. CDS100).

FILTRATION BOXES (CDF-A for flammable and toxic vapours and CDF-P for corrosive vapours)

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

- Electric fan in compliance with ISO 5801, 9614/1, AMCA 210-85; 0 marking.
- Electric fan in compliance with ATEX norm on request. Please contact us.

ADVANTAGES

- 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 100mm (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:

- Active coal filter type « candle » H150 X Ø 150mm (CDFF15 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 – 50Hz – 20 W - 0,09 A - 43 dB(A)
 - Flow 86m³/hour – Protection IP20
 - Exhaust inlet Ø 100 mm / outlet Ø 100 mm.

Ref.	Description	Dimensions H x W x D (mm)	Equiped with active coal filter	Weight (kg)
CDV-A	Ventilation box in steel	225 x 400 x 195	no	9,5
CDF-A	Filtration box in steel with filter	285 x 545 x 285	CDFF15	13
CDF-P	Filtration box in cellular PVC with filter	305 x 580 x 300	CDFF35	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	-	-	-
CDFF15	Active coal filter for "standard" vapours (green)	Filter must be changed at least once a year		3
CDFF20	Active coal filter for organic vapours (yellow)			3
CDFF35	Active coal filter for corrosive vapours (blue)			3