

Ventilated safety cabinets for reactives and toxic products – Serie 13



User guide

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1. Presentation

Description / use :

This safety cabinet is for the storage of reactives and other toxic products in closed safety containers.

Conformity :

- In accordance with the Public Sanity Code: articles 5162 et 5170.
- Normalized pictograms are in accordance with the standards ISO 3864 and NF X08.003 and with the European directive 92/58/CEE.
- Ventilator in accordance with the standards EN 60335-2-80 (partie 2), EN 68529, CEI 107-53/1986 and CE.

Passive security :

- Steel construction 10/10th.
- White epoxy paint RAL 9010.
- Signing with normalized symbol «toxic» or «harmful» (to be specified during the order).
- 3 retention shelves, height adjustable with hinges.
- Removable retention tank in the low part of the cabinet, height 100 mm.

Active security :

- Electrical ventilator included: 220-240 volts - 0,1 A - 18 W; flow of 90 m³/h; protection IPX4; sound level of 37,5 Lp dB(A) (3m).
- Double flap doors with 3 points closure and locking.

Poison safe :

- Steel construction 10/10th.
- White epoxy paint RAL 9010.
- Signing with normalized symbol «toxic»
- Height adjustable shelves with hinges: 2 for the model MF1; 4 for the model MF2.
- Lockable flap door.
- Possibility of mural fixation (fixations not provided).
- Possibility to put together the two models (bolt not provided).

2. Installation

Installation :

The cabinet has to be set on a perfectly flat surface area and able to support his full load weight.

Make sure that the whole cabinet is correctly wedged so the cabinet can not tip over and so the automated closing door system is working (this system is checked before the post). The possible upgrades and wedging have to be done by the user. The correct upgrade of the cabinet has to :

- Remove every distortions of the assembly,
- Allow the doors to be purely parallel compared to the assembly
- Remove every rubbing between the doors and the cabinet frame

The place where your cabinet is placed has to assure :

- That this one isn't exposed in a direct or indirect way to any warm source.
- That this one is sheltered from humidity and that the room temperature of the place it is placed isn't below -5°C and is upper +40°C.

The poison safes models MF1 and MF2 can be fixed to the wall with screws and dowels adapted (not supplied).

Putting into service :

After remove the packing, check that you have received a set of 2 keys for the lock.
The keys may be:

On the lock,
Fixed on the handle,
Inside the cabinet,
Fixed on the cabinet door,
Fixed on a shelf.

Your safety cabinet has to be set, used and kept in a way to assure the protection of the users especially against fire and explosion risks

Flap doors :

Reminder : it is an obligation to keep the doors closed.

The flap doors can be opened drawing the handle at you. It is imperative, for a security reason, not to hinder the good closure of the doors with an object and to keep the doors closed in case you don't use the cabinet.

Ventilation :

Your cabinet (version MF4) is provided with a silent ventilator of 220 volts - 50 Hz. The exit of ventilation of your ventilator has to be connected with the outside. This exit is located on the roof, at the left bottom. To evacuate the steams, you have to connect the air exit with a flexible pipe Ø 100 mm, reference KL100 (not supplied), to the outside of the building.

Contact the technical services of your regular trader for more informations regarding the putting into services of your system of ventilation.

Functioning without forced ventilation :

It is possible that your safety cabinet is set and that it works without any connection with forced ventilation. However, your cabinet should be placed in a locale having its own forced ventilation (at least 5 time the air of the locale per hour).

The cabinet itself and the radius of 2,5 meters around it is a dangerous zone exposed to explosions.

Furthermore, if your cabinet isn't linked to a forced ventilation system, you absolutely have to point it out, appending a label saying « Cabinet not connecting to a forced ventilation », on one of the doors (not supplied).

Particular case of poison safes MF1 and MF2 :

The poison safes, by their little size, can not be directly connected to a forced ventilation system.

Warning !

- ***You musn't turn on the ventilator as long as the exit of the cabinet is not connected to an extraction duct.***

Inside Equipments :

Reference	Steel shelf	Steel retention shelf	Additional retention in PVC	Base trough	Base trough in PVC
MF1	2	-	-	-	-
MF2	4	-	-	-	-
MF4	-	3	option	1	option
MF4SV	-	3	option	1	option

Retention shelf:

Your cabinet is delivered with some shelves. Those ones have to be fixed to the height chosen by diverting the hinge stops.

Each shelf has to be imperatively fixed to 4 stops.

Be sure not to exceed the allowed load for one shelf (see technical features chapter 1.2.).

PVC on-shelves:

If you took in option PVC retention on-shelves (SPMF4), those ones have to be placed inside the steel retention shelves, in the sense they serve as retention.

Sliding drawers :

If you took in option sliding drawers (TCMF4), those ones have to be fixed on the height chosen by placing it on the hinges provided.

Be sure not to exceed the allowed load for one sliding drawer (same allowed load than the shelves; see chapter on technical features 1.2.).

Retention tank (optional) :

Your cabinet has a retention tank (except on MF1 and MF2 models). This one is placed on the low part of your cabinet. In no case, it should serve as a storage place.

Regarding the retention volume of your tank, you should see the « technical features » chapter.

Transport and handling :

The safety cabinet you've just got has been protected and carried in optimum conditions so the furniture is preserved from any deterioration due to the transportation.

The safety cabinet has to be raised only by the low part with an appropriate way (suction pad, strap...). It should be transported in a vertical position and should never be layed down. It is imperative that you do not lean the cabinet when you raise and transport it. In deed, if you lean it, it can prompt some damages that might degrade the good working of the security system of the cabinet.





Furthermore, if this cabinet has to be transported, you have to place it on a pallet and strap it so you will avoid every possible fall.

3. Use

Storage in the cabinet :

This cabinet is exclusively for the storage, in laboratories, industries, workshop, collectivities... for reactives and othertoxic or harmful products in closed safety containers. The cabinet should never been use for the storage of corrosive or inflammable products.

We remind you that the storage of corrosive products can degrade the good working of the security components. Moreover, we remind you that the damages due to a wrong use of the cabinet and especially due to corrosion are not insured by the guarantee of the maker.

Reference				
MF1				X
MF2				X
MF4				X
MF4SV				X

4. Maintenance

Security check :

The safety cabinet is a security component in its own right. In order to assure its perfect efficacy, you should regularly check this equipment.



Daily security checks:

- Check if the products (liquids, powders...) have flowed on the shelves or have been retrieved in the retention shelves or tanks. If they have been, the shelves or tanks should be drained and cleaned in the shorter period possible, with compatible tools (absorbing carpet...).
- Check that the cabinet has no corrosion mark.
- Check that the cabinet has no mechanical damages.
- Check the good closing of the doors.
- Check the good working of the lock.

Monthly security checks :

- Check the good opening and closing of the doors.
- Check the good working of the ventilation system, with, for example, a piece of paper (only if your cabinet is connected to a forced ventilation system).

Those checks have to be done by your maintenance services. If you are not sure or for any questions, you should contact your regular trader. Refer to the control form (see the annex).

It is right to clean the cabinet with soapy water only so you will not deteriorate it. We remind you that you have to wear, for any intervention, an individual hazmat suit compatible.

Spare parts :

Components :

- Door handle.
- Lock and keys.
- Security pictograms.
- Retention shelf.
- PVC on shelf.
- Sliding drawers
- Steel retention tank.

Elimination and recycling:

The safety cabinet can be completely dismantled. The various components such as the steel, the PVC... can be eliminated separately in order to recycle it. Please respect on this point, the national and local dispositions regarding to trash elimination. By their nature, the different components of your cabinet shouldn't be mixed with daily rubbish.

Guarantee :

Your safety cabinet is guaranteed for 12 months against every manufacturing defect and in normal way of usage, from the indicated date on the order form.

Our guarantee works only in case of defectiveness coming from a manufacturing defect or a hidden defect. This guarantee insures exclusively the replacement of tools or pieces recognized as defective by our technical services, the only qualified to decide about it. It is purely limited to the repairs of the machine in our workshop. The detached pieces are insured 3 months after their setting up.

This guarantee can't be used in the event :

- That the equipment would not been stored, used or kept up by the user in accordance with the the usage along with the using rules,
- Of any deterioration of the equipment by the user or another person
- That the equipment would have been modified or repaired by the user or another person without our written consent,
- Of usual erosion, or of no payment at the exact due date of the whole or a part of the price.

The implementation of the guarantee will have no effect of extension. Our guarantee stops as soon as the buyer doesn't tell us about the noticed defect in a period of 7 days from the discovery, date the buyer has to prove.

The guarantee is excluded in the following hypothesis:

- Usual erosion of the product,
- Transformation of the product or incompatibility with other equipments,
- Unusual or non-compliant use of the product regarding its own specifications or negligence from the client in the storage or during the upkeep,
- Wrong installation of the product,
- Damages caused by corrosion.

Check form for the user

	Yes	No
The opening and closing doors work well		
The opening and closing doors work well		
- the doors open correctly		
- the automatical closing of the doors works automatical		
- the locking of the doors is made correctly		
The forced ventilation system works well		
The ventilation system is not blocked		
The pictogram appended on the door is in a good state and visible		
The doors hinges are lubricated		
The lock is lubricated		
The retention shelves and tanks are clean		

Made this day,

By

Signature

5. Technical specifications

Reference	Dimensions H x W x D (mm)	Net Weight (kg)	Useful volume of the cabinet (m3)	Retention tank volume (l)	Allowed load by shelf uniformly distributed (kg)
MF1	380x470x205	10	0,03	-	10
MF2	580x470x205	15	0,04	-	10
MF4	1975x1000x500	100	0,9	60	50
MF4SV	1975x1000x500	100	0,9	60	50