

## Corrosion resistant laboratory cabinets for Acids and Bases – Range 8.A



### Operating instructions

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## 1. Présentation

### Description / use:

Safety cabinets dedicated for the storage of acid and alkaline products in laboratories. Built in cellular PVC, offering a good resistance to corrosives vapours. Cabinets with compartments to separate acids and alkaline products.

### 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.).

### Avantages :

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

## 2. Installation

### Installation:

The cabinet must be settled on a levelling floor able to support the fully loaded weight of the safety cabinet (see technical characteristics).

Please note that the safety cabinet can be set up horizontally in order to avoid any falling down. The possible adjustment must be done by the user himself. The correct levelling off should avoid any scraping between the door(s) and the body of the cabinet.

Please use jackscrew foot located under the cabinet to wedge it. To adjust it, remove the retention tank at the bottom. The doors are strictly parallel to the body of the cabinet.

The position chosen for the location of your cabinet must ensure that:

- ⚠ The cabinet is not directly exposed to direct or indirect sources of heat.
- ⚠ The cabinet is not exposed to operating temperatures below  $-5^{\circ}\text{C}$  or above  $+40^{\circ}\text{C}$ .
- ⚠ The cabinet is protected against moisture.

### Settlement:

The cabinet must be located, operated and maintained in order that the users are protected against fire and explosion risks in particular.

Please verify that you have received 2 keys with your cabinet and verify that they fit in the lock of the cabinet. The keys can be placed either:

- on the lock,
- or on the handle
- or inside the cabinet
- or fixed on the cabinet
- or fixed on a extendable shelf/retention tank
- or in the shelf/retention tank

*Handling doors:*

***Note: It is necessary to maintain the doors closed***

The doors can be opened by pulling the handle.

### Ventilation

For safety reasons, it is highly recommended to connect your safety cabinet to a vent exhausting system in order to discharge the fume (please contact your local distributor for any request).

*Connection to an exhausting system:*

The inlet are placed in the low back part of every compartment for models and the outlet is placed in the high back part of every compartment APC32, APC62 and APC112.

For the cabinets APC92, APC107 and APC222, the inlet is placed in the low lateral side of every compartment and the outlet is placed on the roof.

To discharge the fumes, you have to link the outlet with a linking cylinder Ref. CHJPVC (supplied with the cabinet) to the exhausting system.

### *Operation without a ventilation system:*

It is also possible to have a safety cabinet without an exhausting system. Nevertheless, it should be located in a special room equipped with its own ventilation system (minimum 5-fold change of air per hour).

If your cabinet is not connected to an exhausting system, it is required to indicate it on a door by a special sticker.

### **Inner fittings**

<b>Reference</b>	<b>Retention sliding drawers in blue PE</b>	<b>Base trough in white PVC</b>
APC31	2	2
APC61	4	-
APC91	6	6
APC106	5	5
APC111	6	-
APC221	8	-

### *Sliding drawer in blue PE:*

Your cabinet is delivered with shelf(ves)/retention tank on sliding rails. Rails are fixed to a standard height but you can, if you want, position the shelf(ves) at the height you want. To do so, you have to:

- unscrew the block stop avoiding the shelf/retention tank to tilt up
- leave the shelf/retention tank from the rails
- unscrew with a cruciform screw driver, the 2 screws that maintain the rails
- position the rails to the height you want
- fix the rails with 2 screws
- position the shelf/retention tank in the rails
- screw the block stop

Attention: Do not overload the maximum shelf load (refer to technical characteristics chapter).

*Base trough in white PVC:*

Your cabinet is delivered with a removable base trough in secondary compartment (depending on your order). It should be used as an additional storage place for containers and cans.

## **Transport and handling**

This safety cabinet has been transported in optimal conditions in order to be protected against all possible damages due to transport.

Your safety cabinet must only be moved when placing a suitable transport device under its base. It must be transported in a vertical position. It is strictly forbidden to tilt the cabinet when it is lifted or transported. This could cause serious damages that could also affect the good working of the safety cabinet's equipments.

Hence, if this cabinet has to be moved, it is highly recommended to load and strap it on a pallet in order to avoid any weighing.

## 3. Use

### Storage in the cabinet

Reference				
APC31	-	X	-	-
APC61	-	X	X	-
APC91	-	X	X	-
APC106	-	X	X	X
APC111	-	X	X	-
APC221	-	X	X	-

We would like to remind you that storage of flammable products may cause damage in good functioning of the safety equipments.

## 4. Maintenance

### Safety maintenance:

The safety cabinet is a technical safety device. We recommend a check at least once a year by a specialist.

**Warning : We remind you that you must wear in case of an intervention, protective clothes including gloves, shoes, safety glasses...**



### Daily controls:

- ⤴ Check if there are any leaks in the sliding retention drawer(s) or in the base trough. Should this be the case, remove drawer or base trough, clean with an adequate absorbent material, then dispose properly.
- ⤴ Check for mechanical damages.
- ⤴ Check for possible damages due to contamination or corrosion.

### Monthly controls:

- ⤴ Check the proper opening of the door(s) and that it closes seamlessly.
- ⤴ Check the efficiency of the ventilation with a thread of wool, meter, etc... (Only if your cabinet is connected to an exhausting system).

This check must be done by your maintenance department. If you need any information on this matter, please feel free to contact your supplier. In order to help you, please refer to the checklist for users in appendix.

To clean cabinets, please use only soapy water. We remind you that you must wear in case of an intervention, protective clothes including gloves, shoes and safety glasses.

### Spare parts

#### Elements:

- ⤴ Door handle
- ⤴ Sliding retention drawer (Ref.: E8A2)
- ⤴ Base trough
- ⤴ Safety stickers
- ⤴ Lock

### Disposal and recycling

The safety cabinet can be completely dismantled. Individual components, e.g. Melamine-based wood... can be recycled. National and local waste disposal regulations must be observed. To preserve resources, the safety cabinet components or the whole cabinet must not be disposed off as domestic waste.

## Garantee

Your cabinet is under guarantee for a period of 12 months, against any construction defect and in normal use conditions, from the date indicated on your delivery note.

Our guarantee applies exclusively in case of imperfection resulting from a defect of conception or from a latent defect. It covers exclusively the replacement of the equipment or the defective recognized details by our quality and technical services, the only one to judge it. This guarantee is strictly limited to the repair of the device in our manufactory. Spare parts are guaranteed 3 months after their implementation.

*The present guarantee cannot be valid in the case:*

- ✦ when the equipment was not stored, not used or not maintained by the user according to the manners as well as to any instruction of use,
- ✦ of deterioration of the equipment by the user or any other person,
- ✦ when the equipment was modified or repaired by the user or any other person without our written agreement,
- ✦ of normal wear, or in case of no-payment for whole equipment or some part.

The implementation of the guarantee will not extend the duration. Our guarantee stops if the buyer does not inform us about the defect during 7 days from the date of defect emergence (this date should be proved).

*The guarantee is excluded in the following hypotheses:*

- ✦ normal wear of product,
- ✦ modifications or incompatibility with other equipments,
- ✦ abnormal or not corresponding use of product braking the specifications or negligence of the customer in the storage or in the maintenance,
- ✦ bad installation of product,
- ✦ any damages caused by corrosion.



## 5. Technical data

Reference	Dimensions (approx.) H x W x D (mm)	Empty weight (kg)	Usable volume inside (m3)	Base trough capacity (l)	Maximum shelf load uniformly distributed (kg)
APC31	670x635x615 (external)	35	0,08	(2x) 11 (major) (2x) 5 (secondary)	20
	530x465x540 (internal-major)				
	(2x) 265x110x540 (internal-secondary)				
APC61	670x1135x615 (external)	60	0,15	(4x) 11	20
	(2x) 530x465x540 (internal)				
APC91	1850x635x615 (external)	87	0,42	(6x) 11 (major)	20
	(2x) 860x465x540 (internal-major)				
	(3x) 265x110x540 (internal-secondary)				
APC106	1850x635x615 (external)	89	0,37	(5x) 11 (major)	20
	(1x) 860x465x540 (2x) 420x465x540 (internal-major)				
	(1x) 265x110x540 (2x) 420x110x540 (internal-secondary)				
APC111	1850x635x615 (external)	80	0,74	(6x) 11	20
	(2x) 760x465x540 (internal)				
APC221	1850x1135x615 (external)	124	0,21	(8x) 11	20
	(2x) 1710x465x540 (internal)				