



Flammable cabinets

Corrosive cabinets



Toxics cabinets and multirisk

Pesticide range

Labopur®



Fume hoods and cabinets

Retention and Cans



Anti-fire equipments and Files cabinets



Showers and first-aid equipments

CABINETS AND NF X 15-211 FUME HOODS
FOR CHEMICALS

Edition
11/2009

RANGE H NF X 15-211 class 2



FUME HOODS Labopur® FOR CHEMICALS

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 vapours. 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.

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 fume hoods LABOPUR® stand out by a high manufacturing quality and finition. The entire process being controlled with the European standard ISO 9001 -2000.

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 cleansed while entering the activated charcoal filter. Finally, dangerous vapours are rejected in the atmosphere without danger for the environment. Thus, the user's health is protected.

The LABOPUR® filter system is made of quality activated charcoal according to your needs. It can be fit for a specific product. The activated charcoal filters replacement requires only a few minutes.

Fume hoods LABOPUR® also allow you to save energy. Indeed, compared with enclosures with outside rejections, it is not necessary to heat or cool the incoming air. Furthermore the air in the room is purified.

STANDARTIZATION:

NF X 15-211 French norm (September 1996):

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

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

- . 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.

To be in accordance with this standard, fume hoods filtration LABOPUR have to meet multiple criteria (summary):

- . the enclosure must be provided with a ventillation 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 VME (mean value of exhibition) 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 enclosures have to allow to treat products having a VME index superior or equal to 10 ppm.
- . the class 2 enclosures 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.



NF X 15-211



RANGE H NF X 15-211 class 2



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

The manufacturer keeps the right to modify technical characteristics without notice. Edition 11/2009.

3

CERTIFICATION :

Fume hoods LABOPUR® were approved to the NF X 15-211 norm, by an independant laboratory, MAPE. The MAPE laboratory is itself approved to the ISO CEI 17025 norm by the COFRAQ.

LABOPUR® fume hoods are controlled according to quality process and procedures defined by the repository of international quality standard ISO 9001-2000, at the end of the assembly line and before their shipping to the user in order to assure a perfect functioning and efficiency.



MEAN VALUE OF EXHIBITION (V.M.E.) / VALUE EXHIBITION LIMIT (V.L.E.):

A chemical compound concentration in the air being able to be inhaled by a person during a determined duration without danger for his/her health is represented by a limit value (V.L.E.). Beyond this limit of time the user's health is in danger.

Mean Value of Exhibition (V.M.E.): The V.M.E indicates the maximal concentration admitted for a determined substance, in the workroom atmosphere where the user has to work on a basis on 8 hours per day.

Value Exhibition Limit (V.L.E.): The V.L.E. indicates the maximal concentration admitted for a determined substance, in the workroom atmosphere to which the user may be exposed for a short time period, lower or equal to 15 minutes (unless other indications).

The National Research and Safety Institute (I.N.R.S.) publishes a technical memo (n° ED 984) on the edge values of professional exposure to the chemical agents. This document is available, free of charge, on their website at the following address: www.inrs.fr

WHAT DOES ACTIVE CHARCOAL MEAN?

The actived charcoal is a black powder with a porous structure. Manufactured from coconut shells, it has the property to occlude molecules emanating from dangerous products, due to the size of its micropores (less than 2µm).

Actived charcoals manufacturing includes 2 steps:

- . 1st. step: High temperatures burning and carbonization of the ingredients.
- . 2nd. step: So called activation step, allowing to increase the coal absorption power.

Depending of the chemicals to be filtered, an "impregnation" can be added to improve the coal absorption ability. An impregnation for a determined chemical can lead to an excellent absorption for a certain product but a disapointing result for another type of chemical.

After use, the coal powder may be cremated or regenerated by water steam treatment or acid or alkaline washes.

HELP US TO PROTECT AND TO RESPECT THE ENVIRONMENT:

DO SOMETHING FOR THE ENVIRONMENT... RECYCLE YOUR FILTERS

If the fume hoods LABOPUR protects at most the health of the users and their direct environment it is necessary to protect and respect the environment to insure the actived charcoal-based reprocessing and the elimination of your filters charged with the toxics which you treated.

Contact your dealer for more information.

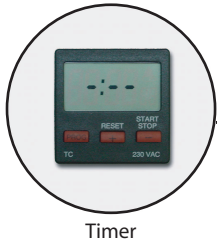


3

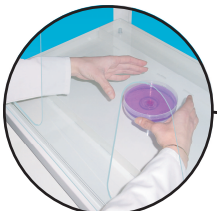
RANGE H NF X15-211 class 2



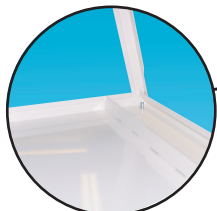
CLASS 2 Labopur® FUME HOODS FOR CHEMICALS



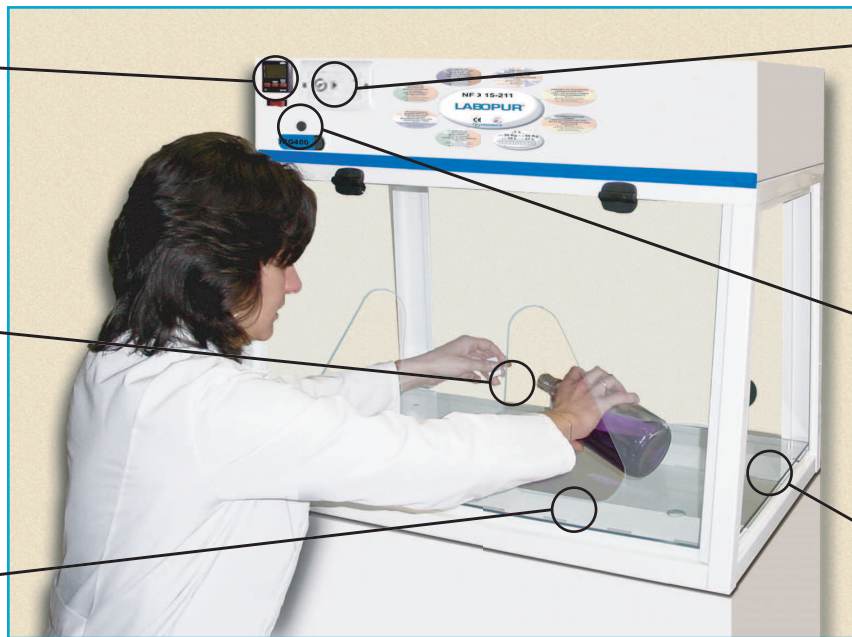
Timer



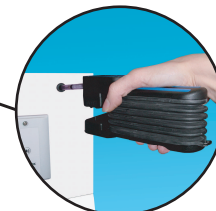
Ergonomic hand traps



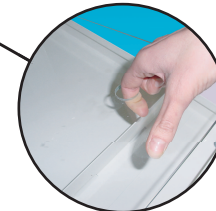
Retention Tank integrated



Filteralarm (Optional)



Sampling outlet



Glass work top (optional)

ADVANTAGES

User's optimal protection:

- Our fume hoods have been approved within the standard NF X.15-211 by an independent laboratory.
- Vapours 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 accordance with the EU 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.

Confort of use:

- The transparent walls 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 fans within our hoods allow a higher concentration for your work.
- Easy replacement of the active coal-based filter. Few minutes are enough.

Save time and energy :

- Our hoods are delivered ready to use (no assembly required). 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.

TECHNICAL DATA (see page 6)

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



STANDARD EQUIPMENT

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.



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.



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.



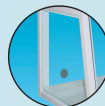
ABSORBED PRODUCTS BOOKLET

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.



PROTECTIVE CAPS

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



TRANSPARENT WALLS

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



WORK-TOP

A work-top is supplied with every fume hood. Manufactured in H.P.L., it offers an excellent resistance to chemical 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".

OPTIONAL EQUIPMENTS

ACTIVED CHARCOAL FILTERS

Our filters are made with the best actived charcoal. In order to offer the best guarantees, the quality of filters absorption was tested and approved by an independent laboratory. Every actived charcoal filter is provided with a double anti-dust filter to insure an optimal filtration quality. Your health is protected. We offer you 2 filter types: one dedicated to organic vapours and one for corrosive vapours. We are able to propose you specialised filters adapted, for instance, for the formaldehyde manipulation. Do not hesitate to contact your dealer for any specific request.



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.

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.



LABOPUR® TROLLEY

For a better mobility or to clear your draining board you can put your hood on a trolley. It is equipped with a removable shelf. This solution allows you to accommodate your laboratory in more practical way, thus increasing your efficiency.



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 LABOPUR hoods).



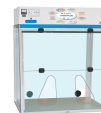
LIGHTING

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®

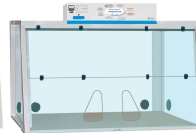


		H200	H300	H400
<i>External dimensions (mm)</i>	H	980	720	980
	W	610	800	800
	D	620	620	620
<i>Internal dimensions (mm) (low and high depths)</i>	H	740	480	740
	W	570	760	760
	D	580/430	580/430	580/430
<i>Internal volume of enclosure</i>		0,21 m ³	0,18 m ³	0,28 m ³
<i>Average face velocity</i>		0,5 m/s	0,5 m/s	0,5 m/s
<i>Nominal voltage</i>		220-240 volts	220-240 volts	220-240 volts
<i>Power input</i>		47 watts	47 watts	47 watts
<i>Amps absorbed</i>		0,2 A	0,2 A	0,2 A
<i>Sound level</i>		49 dB(A)	49 dB(A)	49 dB(A)
<i>Flow</i>		202 m ³	202 m ³	202 m ³
<i>Weight</i>		34 kg	33 kg	44 kg
<i>Retention tank</i>		included	included	included
<i>HPL work-top</i>		included	included	included
<i>Tempered glass work-top</i>		PL20	PL34	PL34
<i>Air velometer</i>		included	included	included
<i>Protective caps</i>		2	2	2
<i>Absorbed products booklet</i>		included	included	included
<i>Timer</i>		included	included	included
<i>Sampling outlet</i>		included	included	included
<i>Transparent walls</i>		included	included	included
<i>Labopur® trolley with removable shelf</i>		TR20	TR34	TR34
<i>Height with castors : 900mm; without castors : 860mm</i>		(28 kg)	(37 kg)	(37 kg)
<i>Lighting</i>		LU20	LU34	LU34
<i>Manual pump</i>		PMAF	PMAF	PMAF
<i>Reactive tubes</i>		contact-us	contact-us	contact-us
<i>Filteralarm</i>		SFA2	SFA2	SFA2
<i>Active charcoal filter for organic vapours</i>		ORG200 (11 kg)	ORG300 (14 kg)	ORG400 (14 kg)
<i>Active charcoal filter for corrosive vapours</i>		COR200 (11,5 kg)	COR300 (15 kg)	COR400 (15 kg)

The manufacturer keeps the right to modify technical characteristics without notice. Edition 11/2009.

RANGE H

NF X 15-211 class 2



H500	H1300	H1500	H2300	H2500	H3500
1200	1200	1200	1200	1200	1200
900	1000	1000	1300	1300	1600
740	740	740	740	740	740
940	940	940	940	940	940
860	960	960	1260	1260	1560
700/600	700/600	700/600	700/600	700/600	700/600
0,52 m ³	0,59 m ³	0,59 m ³	0,77 m ³	0,77 m ³	0,95 m ³
0,4 et 0,6 m/s	0,4 et 0,6 m/s	0,4 et 0,6 m/s	0,4 et 0,6 m/s	0,4 et 0,6 m/s	0,4 et 0,6 m/s
220-240 volts	220-240 volts	220-240 volts	220-240 volts	220-240 volts	220-240 volts
2x 20 watts	47 watts	2x 20 watts	47 watts	2x 20 watts	2x 20 watts
2x 0,1 A	0,2 A	2x 0,1 A	0,2 A	2x 0,1 A	2x 0,1 A
2x 43 dB(A)	49 dB(A)	2x 43 dB(A)	49 dB(A)	2x 43 dB(A)	2x 43 dB(A)
2x 86 m ³	202 m ³	2x 86 m ³	202 m ³	2x 86 m ³	2x 86 m ³
55 kg	60 kg	61 kg	78 kg	79 kg	97 kg
included	included	included	included	included	included
included	included	included	included	included	included
PL50	PL135	PL135	PL235	PL235	PL335
included	included	included	included	included	included
2	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
TR50	TR135	TR135	TR235	TR235	TR335
(46 kg)	(51 kg)	(51 kg)	(65 kg)	(65 kg)	(78 kg)
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
ORG500 (22 kg)	ORG1300 (14 kg)	ORG1500 (22 kg)	ORG2300 (14 kg)	ORG2500 (22 kg)	ORG3500 (22 kg)
COR500 (23 kg)	COR1300 (15 kg)	COR1500 (23 kg)	COR2300 (15 kg)	COR2500 (23 kg)	COR3500 (23 kg)

Flammable cabinets

Corrosives cabinets

Toxics cabinets and multirisk

Pesticide range

Fume hoods and cabinets

Retention and Cans

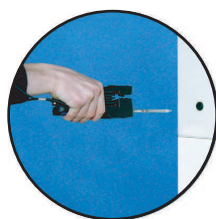
Anti-fire equipments and Files cabinets

Showers and first-aid equipments

The manufacturer keeps the right to modify technical characteristics without notice. Edition 11/2009.

RANGE 12.X

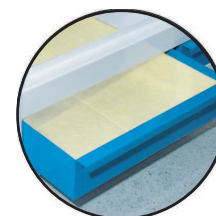
FILTERING VENTILATION SAFETY CABINETS



Sampling port test of the filter saturation



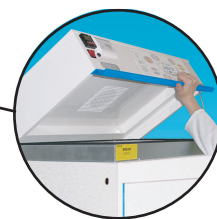
Filteralarm : control of the filter saturation



Industrial absorbent mat in retention tank



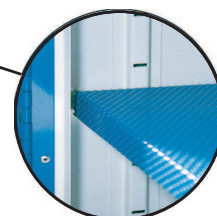
AF4-3X + SFA2



Activated charcoal filter



Control window for filter presence



Perforated shelves adjustable in height

CONFORMITY

- Adsorption capacity in compliance with the 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 0 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, in compliance with the NF X 15-211 norm, 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 15/10th steel with white epoxy paint (RAL 9010).
- 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.
- 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.
- 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.

Storage capacity

1 shelf :

35 bottles of 1 litre or 15 bottles of 2,5 litres.

1 half-shelf:

15 bottles of 1 litre or 7 bottles of 2,5 litres.



WARNING! For safety reasons (chemical reactions between incompatible products) the products of different families must be stored separately.

RANGE 12.X



AF2X



AF2-2X



AF4-2X



AF4-3X



AF4-4X

To connect	Reference		Description	Dimensions H x W x D (mm)	Number of shelves	Number of bases trough	Storage capacity (bottles) 1 L or 2,5 L	Weight (kg)
	Filtering ventilation							
	Organics	Corrosives						
AF2X	AF2X + ORG300	AF2X + COR300	1 door cabinet 1 compartment	External 1900 x 800 x 545 Internal 1660 x 780 x 500	4	1	140 ou 60	140
AF2-2X	AF2-2X + ORG300	AF2-2X + COR300	1 door cabinet 2 compartments	External 1900 x 800 x 545 Internal (2x) 1660 x 380 x 500	8 half- shelves	2	120 ou 56	150
AF4-2X	AF4-2X + ORG300	AF4-2X + COR300	2 doors cabinets 2 compartments	External 1950 x 1600 x 545 Internal (2x) 1660 x 780 x 500	8	2	280 ou 120	280
AF4-3X	AF4-3X + ORG300	AF4-3X + COR300	2 doors cabinets 3 compartments	External 1950 x 1600 x 545 Internal (1x) 1660 x 780 x 500 (2x) 1660 x 380 x 500	4 + 8 half- shelves	3	260 ou 116	290
AF4-4X	AF4-4X + ORG300	AF4-4X + COR300	2 doors cabinets 4 compartments	External 1950 x 1600 x 545 Internal (4x) 1660 x 380 x 500	16 half- shelves	4	240 ou 112	300

The cabinets are delivered without activated charcoal filter. You have to select one in the table below depending on the products you store.

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

Ref.	Description	Dimensions	Weight (kg)	BET Surface (m ² /g)	Grading (mm)	Adsorption capacity (g)	
						CCl ₄	HCl
ORG300	Activated charcoal filter for organic vapours (yellow)	70 x 730 x 380	14	1100	4,75-2,36	-	1300
COR300	Activated charcoal filter for corrosive vapours (blue)	70 x 730 x 380	15	1250	4,75-2,36	2840	-
SFA2	Filteralarm (to order imperatively with cabinet)		-	-	-	-	-
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	-	-	-	-
ESAF	Additional half-shelf for AF2-2X, AF4-3X et AF4-4X		3	-	-	-	-
ESAF2	Additional shelf for AF2X, AF4-2X et AF4-3X		5	-	-	-	-

N.B.: Activated charcoal filters ORG300 and COR300 can be used only with AF2X, AF2-2X, AF4-2X, AF4-3X, AF4-4X and AF1X cabinets. They can not be used with AF2, AF2-2, AF4-2, AF4-3, AF4-4 and AF1 cabinets. Contact-us for more informations.

The manufacturer keeps the right to modify technical characteristics without notice. Edition 11/2009.

Flammable
cabinets

Corrosives
cabinets

Toxics cabinets
and multirisk

Pesticide
range

Fume hoods
and cabinets

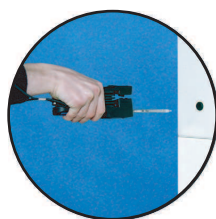
Retention
and Cans

Anti-fire equipments
and Files cabinets

Showers and first-
aid equipments

RANGE 12.X

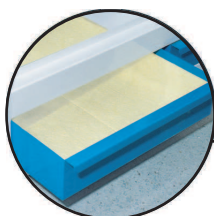
FILTERING VENTILATION SAFETY CABINETS



Sampling port test of the filter saturation



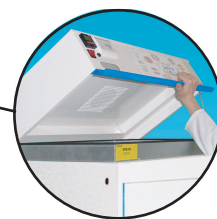
Filteralarm : control of the filter saturation



Industrial absorbent mat in retention tank



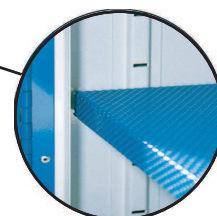
AF4-3X + SFA2



Activated charcoal filter



Control window for filter presence



Perforated shelves adjustable in height

CONFORMITY

- Adsorption capacity in compliance with the 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 0 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, in compliance with the NF X 15-211 norm, 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 15/10th steel with white epoxy paint (RAL 9010).
- 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.
- 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.
- 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.

Storage capacity

1 shelf :

35 bottles of 1 litre or 15 bottles of 2,5 litres.

1 half-shelf:

15 bottles of 1 litre or 7 bottles of 2,5 litres.



WARNING! For safety reasons (chemical reactions between incompatible products) the products of different families must be stored separately.

RANGE 12.X



AF2X



AF2-2X



AF4-2X



AF4-3X



AF4-4X

To connect	Reference		Description	Dimensions H x W x D (mm)	Number of shelves	Number of bases trough	Storage capacity (bottles) 1 L or 2,5 L	Weight (kg)
	Filtering ventilation							
	Organics	Corrosives						
AF2X	AF2X + ORG300	AF2X + COR300	1 door cabinet 1 compartment	External 1900 x 800 x 545 Internal 1660 x 780 x 500	4	1	140 ou 60	140
AF2-2X	AF2-2X + ORG300	AF2-2X + COR300	1 door cabinet 2 compartments	External 1900 x 800 x 545 Internal (2x) 1660 x 380 x 500	8 half- shelves	2	120 ou 56	150
AF4-2X	AF4-2X + ORG300	AF4-2X + COR300	2 doors cabinets 2 compartments	External 1950 x 1600 x 545 Internal (2x) 1660 x 780 x 500	8	2	280 ou 120	280
AF4-3X	AF4-3X + ORG300	AF4-3X + COR300	2 doors cabinets 3 compartments	External 1950 x 1600 x 545 Internal (1x) 1660 x 780 x 500 (2x) 1660 x 380 x 500	4 + 8 half- shelves	3	260 ou 116	290
AF4-4X	AF4-4X + ORG300	AF4-4X + COR300	2 doors cabinets 4 compartments	External 1950 x 1600 x 545 Internal (4x) 1660 x 380 x 500	16 half- shelves	4	240 ou 112	300

The cabinets are delivered without activated charcoal filter. You have to select one in the table below depending on the products you store.

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

Ref.	Description	Dimensions	Weight (kg)	BET Surface (m ² /g)	Grading (mm)	Adsorption capacity (g)	
						CCl ₄	HCl
ORG300	Activated charcoal filter for organic vapours (yellow)	70 x 730 x 380	14	1100	4,75-2,36	-	1300
COR300	Activated charcoal filter for corrosive vapours (blue)	70 x 730 x 380	15	1250	4,75-2,36	2840	-
SFA2	Filteralarm (to order imperatively with cabinet)		-	-	-	-	-
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	-	-	-	-
ESAF	Additional half-shelf for AF2-2X, AF4-3X et AF4-4X		3	-	-	-	-
ESAF2	Additional shelf for AF2X, AF4-2X et AF4-3X		5	-	-	-	-

N.B.: Activated charcoal filters ORG300 and COR300 can be used only with AF2X, AF2-2X, AF4-2X, AF4-3X, AF4-4X and AF1X cabinets. They can not be used with AF2, AF2-2, AF4-2, AF4-3, AF4-4 and AF1 cabinets. Contact-us for more informations.

The manufacturer keeps the right to modify technical characteristics without notice. Edition 11/2009.

Flammable
cabinets

Corrosives
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

RANGE H NF X 15-211 class 2



CLASS 2 Labopur® FUME HOODS FOR CHEMICALS



Flammable cabinets

Corrosives 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