Fume hoods, filtering cabinets - Ventilation

Lithium-ion cabinets

Flammable cabinets

Corrosive cabinets

Toxic cabinets and Multirisk

Containment and cans

File cabinets Anti-fire equipments

Showers and first-aid equipments

NFX 15-211 | CLASS 1 | CLASS 2 | CE | MADE IN EUROPE

DUCTLESS FUME HOODS labopur® NF X 15-211
MAY 2009 - CLASS 1 & 2

▲ H184G+2CH + BB18 + 8 x (CORG201) + 4 x (SH200 + HEP200) + SATORG

WHY SHALL WE USE A DUCTLESS FUME HOOD ?

When you handle chemicals, your health is at risk because of the emanation of harmful or even toxic vapors or powders. In order to protect yourself and your direct surrounding, you should handle your products in a ductless fume hood (formerly a filtered air recirculating toxic cabinet or FACC) equipped with either a molecular filter (or active charcoal filter), a particle filter (or HEPA filter), or a molecular filter and a particle filter.

WHY SHALL WE CHOOSE A labopur®
DUCTLESS FUME HOOD?

ECOSAFE has 52 years' experience in the field of safety cabinets for the storage of hazardous products and puts all its know-how and technique in the manufacturing of its **labopur®** fume hoods.

labopur® fume hoods are manufactured in France based on processes and procedures defined according to the ISO 9001 version 2008 quality standard.
Moreover, our know-how has been successfully tested by independent French laboratories and control bodies according to the NF X 15-211 standard in its May 2009 version.

CERTIFICATION

The performances of **labopur®** filtration hoods have been evaluated according to the NF X 15-211 - MAY 2009 standard by French laboratories and control bodies for:

· Filtration tests.
· Containment tests.
· Leakage and integrity tests of the absolute filter (HEPA filter).

labopur® filtration fume hoods are manufactured according to quality processes and procedures defined in according to the international standard ISO 9001 version 2008, at the end of the production line and before shipment, in order to guarantee the user perfect operation and efficiency.

NFX 15-211 **CLASS 1** **CLASS 2** CE MADE IN EUROPE

STANDARD

Standard NF X 15-211 - May 2009:

The NF X 15-211 standard is the most demanding regulation currently in force. It guarantees the user enhanced safety, allowing him to concentrate on his work.

Toxic enclosures with filtered air recirculation are classified according to 2 safety levels:

Class 1: enclosure with safety reserve (2 active charcoal filters per filtration column)
Class 2: enclosure without safety reserve, the most commonly used enclosure (only 1 active charcoal filter per filtration column)

The NF X 15-211 standard also distinguishes 3 classifications according to the type of filtration, depending on the chemical agents filtered:

• Type P: for the filtration of particles (only for class 2).
• Type V: for the filtration of vapors (available for classes 1 and 2).
• PV type: for particle and vapor filtration (available for classes 1 and 2).

Labopur® ductless fume hoods are filtration chambers.

Depending on the model, class 1 can be equipped with one particle filter and two active charcoal filters, or with only two active charcoal filters per filtration column.

Class 2 can be equipped with one particle filter or one active charcoal filter, depending on the model, or with one particle filter and one active charcoal filter per filter column.

Labopur® fume hoods can be equipped with 1 to 4 filtration columns depending on the model.

In order to comply with this standard, Labopur® filtration fume hoods must meet various criteria (summary):

• the fume hood must be equipped with a ventilation device (continuous monitoring of the system) in order to maintain the air speed at a value between 0.4 m/s and 0.6 m/s (class 1 and class 2).
• the filtration system of the enclosure must not exceed a release concentration, downstream of the filter(s), of 50% of the Occupational Exposure Limit Value (OELV) of the toxic substance handled in the enclosure, and this for the duration of the detection operation
• the fume hoods must have been tested by an approved and independent laboratory.
• Class 2 fume hoods must have an audible or visual alarm triggered by a clock every 60 hours of operation and a sampling device.
• Class 1 fume hoods shall be equipped with an automatic monitoring and saturation detection device for the main active charcoal filter and a second active charcoal filter in reserve.
• Class 1 fume hoods must not discharge more than 1% of the TLV of the product handled downstream of the active charcoal filter during the detection operating time.
• Class 2 fume hoods must not discharge more than 50% of the OELV of the product handled downstream of the filter during the detection operating time.

NEW CLASSIFICATION OF DUCTLESS FUME HOODS IN ACCORDANCE WITH PREN 17242.

Classification into 3 parts as follows: X (general type of application) / Y (filter class) / Z (monitoring arrangement)

Details are given below.

X: General type of application :
Class A: RFFC with integrated filters;
Class B: RFFC with associated filters.

Y: Filters :
1: Particulate filter only;
2: Gas and vapour filter only;
3: particulate, gas and vapour filters;
4: Other filtration devices or arrangements, including those for RFFCs with internal filters.

Z: Filter monitoring devices :
0: no filter condition monitoring devices ;
1: integrated continuous filter condition monitoring devices applicable to the filter application. EXAMPLE
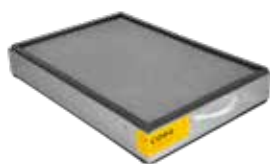
Examples of RFFC designations with integrated particulate and chemical filters and continuous monitoring of filter conditioning: Class A / 3 / 1 .
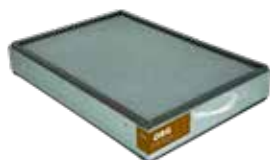

▲
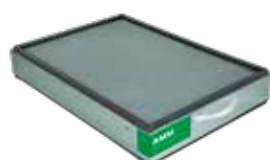H092Z+H2C + BV09 + 2 x (SH200 + HEP200) + 4 x (CORG201) + SATORG

Lithium-ion cabinets

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RANGE H+

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ACTIVE CHARCOAL AND PARTICLE FILTERS

ACTIVE CHARCOAL FILTERS

CORG201 ▲

ORG200 ▲

AMM200 ▲
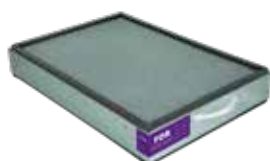
FOR200 ▲

Active charcoal is a black powder with a porous structure that adsorbs the molecules emanating from the vapors of dangerous products through its micro pores of less than 2 µm.

Depending on the chemicals to be filtered, the active charcoal can be impregnated to improve its adsorption capacity. Impregnation for one chemical will lead to excellent adsorption for that chemical, but poor adsorption for another type of chemical.

Our filters are made from the best active charcoals. In order to offer the best guarantees, the adsorption quality of the filters has been checked and approved by an independent testing laboratory. Each filter is equipped with a double dust filter to ensure optimal filtration quality.

Several types of filters are available as standard:

- For corrosive and organic vapors type CORG
- For organic vapors type ORG
- For ammonia vapors type AMM
- For formaldehyde vapors type FOR

The CORG multipurpose active charcoal filters can adsorb the vast majority of products commonly used: corrosive products, organic compounds or solvents. This filter can therefore be used in most cases. We can also offer you specialised filters, impregnated, for example, for the handling of more specific chemicals. Contact us for all your special requirements.

HEPA H14 FILTERS AND HEPA FILTER HOLDERS

SH200 + HEP200 ▲

CAR200 ▲

A HEPA (High Efficiency Particulate Air) filter, also known as a THE (Very High Efficiency) filter, is a very high efficiency particulate air filter.
The filtration efficiency of HEPA filters is governed by the NF EN 1822 standard which defines 5 efficiency classes. A HEPA H14 filter, with the highest filtration efficiency, will stop 99.97% of particles with a diameter greater than or equal to 0.3 µm.

When handling powders, a HEPA filter should be used. We offer HEPA filters of class H14 in accordance to the NF EN 1822 standard and with the highest filtration efficiency. In order to receive a HEPA filter, your fume hood must be equipped with a filter holder type SH.

Your HEPA filter can be complemented with an active charcoal filter for maximum safety and filtration efficiency.
If you wish to use your fume hood only for powder filtration, you should buy a «Connection kit for use without active charcoal filter» type CAR.

N.B.: A fume hood can only be delivered to you if it has an active charcoal filter and/or a HEPA filter with a «Connection kit for use without active charcoal filter» type CAR if necessary.

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EQUIPMENTS

STANDARD EQUIPMENT

PROTECTIVE CAPS
Each hood is equipped with four protective caps to easily insert your electrical or gas cables, for example.
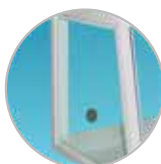
TRANSPARENT WALLS
Our hoods are supplied with robust transparent walls on all sides, giving you a bright working area. Practical for demonstrations. Made from a minimum of 75% recycled PMMA.

SOCKET FOR SAMPLING
A sampling port on the front of the fume hood allows you to quickly and reliably check the saturation of your active charcoal filter using the pump and reagent tubes

FILTRALARME 5 TOUCHSCREEN INTERFACE
0,50 mm | 58 s

- The filtralarme 5 controller uses an electronic circuit to measure the air flow speed (0.4- 0.6 m/s) and thus to detect and warn you of filter clogging or any air flow anomaly by means of an audible and luminous signal in accordance to the NF X 15-211 standard.
- The automatic airflow regulator (0.4-0.6 m/s) analyses the airflow speed in real time and checks that the hood is working at low pressure, guaranteeing that the vapors are confined to the work area and that the vapors pass through the filter.
- Hour counter (60 hours): an audible and luminous signal invites you to check the saturation of the active charcoal filter.
- New intuitive touchscreen interface with full functionality to make daily use of the hood easier.

MANDATORY EQUIPMENT

CHEMICAL SENSOR (CLASS 1)
Automatic E-detect active charcoal filter saturation detector (mandatory and only available for class 1), to be selected from the following compounds: ammonia vapors, corrosive+organic vapors, formaldehyde vapors or organic vapors. Ref. SATAMM, SATCORG, SATFOR, SATORG.

ACTIVE CHARCOAL FILTERS AND HEPA H14 FILTERS
Your Labopur NFX15-211 fume hood must be equipped with one (class 2) or two identical (class 1) active charcoal molecular filters per filtration column. It can also be equipped with an Hepa H14 filter. For use with Hepa filter only: choose a class 2 fume hood.

OPTIONAL EQUIPMENT

MELAMINE WORKTOP
Made of high density melamine, it offers excellent resistance to chemical attack. A glass worktop is also available if acids are used.

GLASS WORKTOP
Made of high density tempered glass, it offers excellent resistance to chemical attack.

LIGHTING
We propose to integrate an LED light in the enclosure so that it does not hinder your visibility. IP65 - 10W - 4200K - 710lm

CONTAINMENT SUMP
Under each work surface there is a containment sump that fits under the hood. In the event of a leak or spillage, the liquids handled are collected in this way. To clean the containment sump, simply lift and remove the worktop and use a suitable absorbent. This tray is supplied with the worktop of your choice.

MANUAL PUMP AND REACTIVE TUBES
Think about your health. Check the saturation of your active charcoal filter with a pump and reagent tubes (required for class 2 only). We can offer you a wide range of reagent tubes according to your products, just ask us!

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NFX 15-211 **CLASS 1** CE MADE IN EUROPE

PRESENTATION OF THE RANGE (CLASS 1)

ADVANTAGES

Optimal protection for the user:
- Fume hoods according to NF X 15-211 - May 2009 by French laboratories and control bodies.
- CE certification. Electrical assembly complies with the requirements of the low voltage directive 2014/35/EU and EMC Directive 2014/30/EU.
- Equipment conforms to the requirements of IEC61010-1.
- Containment of vapors and powders in the handling enclosure, then elimination of these when they pass through the molecular filter or the HEPA particulate filter.
- Automatic filter saturation detector (several choices of detectable molecules must be ordered with the fume hood).
- Main active charcoal filter + safety reserve active charcoal filter (several choices of detectable molecule, must be ordered with the fume hood).
- FILTRALARME 5 interface with touch screen for ergonomic operational management of the fume hood.
- 5 languages available: French - English - German - Spanish - Italian.
- Automatic air flow regulation.
- Air flow and hour meter displayed simultaneously.
- The date of installation of the filters and their types is indicated and visible during the operation of the fume hood.
- Main switch with overvoltage fuse.
- Quiet electric fans (excluding airflow) that meet CE specifications.
- Control window on the front of the fume hood showing immediately the presence and quality of the filter used.

Time and energy savings:
- Fume hoods delivered ready to use (no assembly required), to be connected only to the electrical network.
- No connection or evacuation required, no civil engineering solution (as the hood is equipped with a filter).
- No need to heat or cool the air in the room as the air is recirculated.

Comfortable to use:
- Reinforced transparent walls on all sides provide optimal lighting of the work surface and immediate visualization of the products handled.
- Ergonomically designed working opening for safe and easy handling in the enclosure (3 possible choices depending on the size of the hoods)
- Covers allowing the introduction of the equipment's fluid supply cables.
- Very low noise level of the fans (excluding air flow), thus allowing increased concentration during work.
- Easy replacement of the active charcoal filter, only a few minutes are required.
- Our equipment is equipped with transparent translucent walls that are now 100% recyclable.

TECHNICAL CHARACTERISTICS
- Construction in 15/10th steel.
- Epoxy paint, white RAL 9010, blue 5015, highly resistant to chemicals.
- Reinforced glass walls in 6 mm thick PMMA.
- Average air speed at the front of the unit: 0.5 m/s
- Voltage: 220-240 volts
- Electrical power: 35 W per ventilation column
- Intensity: 0.35 A
- Fan noise level (excluding air flow): 60 dB(A)
- Flow rate: 180 m3/h

STANDARD EQUIPMENT
- Touch screen.
- 4 covers for supply and fluid passages (removable, it is recommended to leave them in place and to make notches in them in order to pass the cables through).
- Automatic air flow control and maintenance (touch screen).
- Hour meter (touch screen).
- Manual sampling available.
- 4 transparent reinforced walls.
- Filter viewing window.
- FILTRALARME 5 interface with touch screen for ergonomic and operational management of the hood.
- Automatic air flow regulation.
- 5 languages available: French - English - German - Spanish - Italian.
- Airflow and hour meter displayed simultaneously
- Indicators of the date of installation of the filters and their types.

These hoods must be equipped with at least two active charcoal filters.

MANDATORY OPTION
- Automatic E-detect active charcoal filter saturation detector (mandatory for class 1): to be selected from the following compounds: corrosive vapors ref. SATCOR, organic vapors ref. SATORG, formaldehyde vapors ref. SATFOR or ammonia vapors ref. SATAMM.
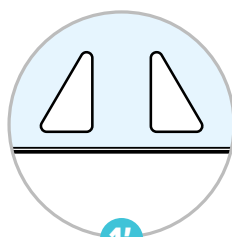
OPTIONS
- Removable containment sump with the worktop to collect liquids in case of accidental spills + melamine or laminated glass worktop (highly recommended for use with acids).
- LED lighting positioned so as not to impede your visibility IP65 - 10W - 4200K - 710lm ref. LUMI
- Manual pump to determine the saturation of the filters: ref. PMAF.
- Reagent tubes:
- Ref. TROR: Set of 10 «organic» reagent tubes
- Ref. TRAC: Set of 10 «corrosive» reagent tubes
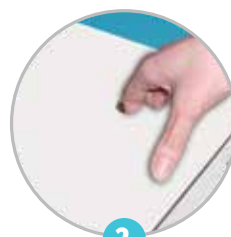- Ref. TROA: Set of 5 «organic» and 5 «corrosive» reagent tubes.

NFX 15-211 **CLASS 1** **CE** **MADE IN EUROPE**

▲ H092Z+H2C + BV09 + 2x (SH200 + HEP200) + 4 x (CORG201) + SATORG
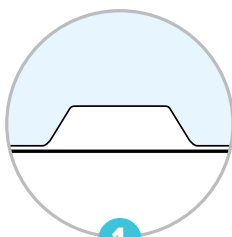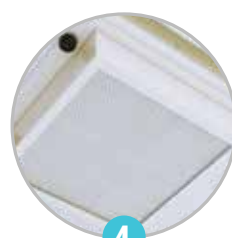

1 — Trapeze working opening

1' — 2 hands working opening

2 — Melamine or glass tempered worktop

3 — Touch screen Hour meter Air flow controller

4 — Filter holder and HEPA filter (otpion)

5 — Easy to replace filters

6 — Removable containment sump

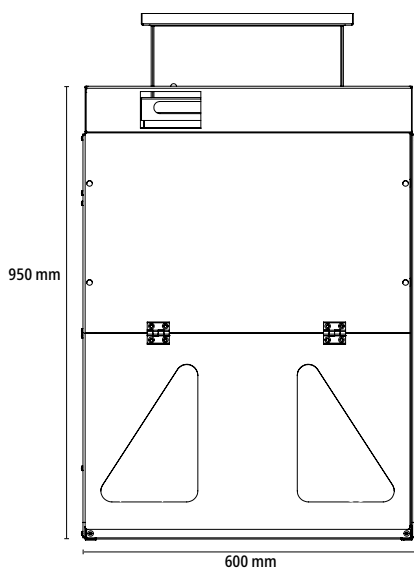**7** — Automatic E-detect active charcoal filter saturation detector

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NFX 15-211 **CLASS 1** CE

MADE IN EUROPE

▲ H061D+2C + BV06 + 2xCORG201 + SATORG

Front

950 mm

600 mm

Top

650 mm

600 mm

Side

950 mm

650 mm

NFX 15-211   CLASS 1   CE

MADE IN EUROPE

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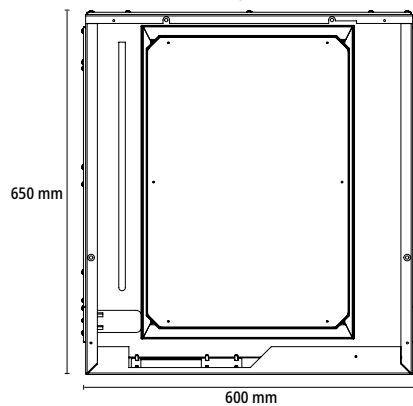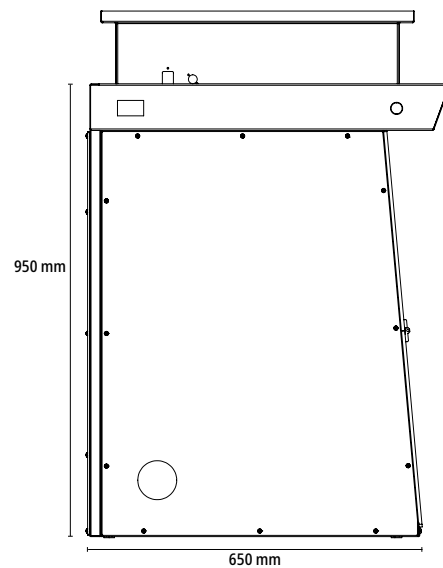
P/N & Working opening type	H061D+2C
	H061Z+2C
	Trapeze L : 400mm, H : 150mm
External dimensions W x D x H (mm)	600 x 650 x950
Internal dimensions W x D x H (mm)	545 x 505 x 735
Weight (kg)	41
Number of engines	1
For liquid use only, to be chosen (mandatory) [1] **: prEN 17242 : A/2/1 class**	
Active charcoal filter(s) for organic vapors	2 x ORG200 (22 kg) E-DETECT: SATORG
Active charcoal filter(s) for corrosive and organic vapors	2 x CORG201 (24 kg) E-DETECT: SATCORG
Active charcoal filter(s) for formaldehyde vapors	2 x FOR200 (24 kg) E-DETECT: SATFOR
Active charcoal filter(s) for ammonia vapors	2 x AMM 200 (24 kg) E-DETECT: SATAMM
Additional accessories	
Containment sump + HPL work-top	BB06 (10 kg)
Containment sump + Tempered glass work-top	BV06 (15 kg)
Integrated outdoor light	LUMI (1 kg)
Tubular table on 4 feet	TTF06 (9 kg)
Tubular roller table (on castors)	TTR06 (10 kg)
Monobloc rolling table with storage shelf	TR06 (28 kg)
Table / trolley cabinet	TA06 (32 kg)

(1) All filters must be of the same type   Ventilation   Active charcoal filter   HEPA filter   CAR200 box

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NFX 15-211

CLASS 1

CE

MADE IN EUROPE

▲ H092Z+H2C + BV09 + 4 x CORG201 + 2 x (SH200 + HEP200) + SATORG

H091D+2C

H092D+2C

H092D+H2C

H092D+2CH

RANGE H+ 900 mm

NFX 15-211 | CLASS 1 | CE | MADE IN EUROPE

P/N & Working opening type	H091D+2C	H092D+2C	H092D+H2C	H092D+2CH
		H092Z+2C	H092Z+H2C	H092Z+2CH
		Trapeze		L : 400mm, H : 180mm
External dimensions W x D x H (mm)	900 x 750 x 1160			
Internal dimensions W x D x H (mm)	845 x 700 x 935			
Weight (kg)	67			
Number of engines	1	2		
For liquid use only, to be chosen (mandatory) [1] **: prEN 17242 : A/2/1 class**			✕	✕
Active charcoal filter(s) for organic vapors	2 x ORG200 (22 kg) E-DETECT: SATORG	4 x ORG200 (44 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	2 x CORG201 (24 kg) E-DETECT: SATCORG	4 x CORG201 (48kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	2 x FOR200 (24 kg) E-DETECT: SATFOR	4 x FOR200 (48 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	2 x AMM 200 (24 kg) E-DETECT: SATAMM	4 x AMM 200 (48 kg) E-DETECT: SATAMM		
For powder + liquid use or liquid use references to be ordered together [2] **must be chosen from** [1] **: prEN 17242 : A/3/1 class**	✕	✕	✕ ✕	
H14 Hepa filter(s) for powder handling [2]	-	2 x HEP200 (4 kg)		
Hepa filter holder [2]	-	2 x SH200 (8 kg)		
Active charcoal filter(s) for organic vapors	-	4 x ORG200 (44 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	-	4 x CORG201 (48kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	-	4 x FOR200 (48 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	-	4 x AMM 200 (48 kg) E-DETECT: SATAMM		
Additional accessories				
Containment sump + HPL work-top	BB09 (11 kg)			
Containment sump + Tempered glass work-top	BV09 (16 kg)			
Integrated outdoor light	LUMI (1 kg)			
Tubular table on 4 feet	TTF09 (12 kg)			
Tubular roller table (on castors)	TTR09 (13 kg)			
Monobloc rolling table with storage shelf	TR09 (37 kg)			
Table / trolley cabinet	TA09 (43 kg)			

(1) All filters must be of the same type

⚙ Ventilation | ▬ Active charcoal filter | ▨ HEPA filter | ▭ CAR200 box

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NFX 15-211 | CLASS 1 | CE

MADE IN EUROPE

▲ H122D+H2C + BV12 + 4 x CORG201 + 2 x (SH200 + HEP200) + SATORG

H121D+2C

H122D+2C

H122D+H2C

H122D+2CH

RANGE H+ 1200 mm

NFX 15-211 | **CLASS 1** | CE | MADE IN EUROPE
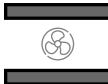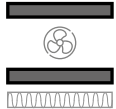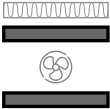
P/N & Working opening type	H121D+2C	H122D+2C	H122D+H2C	H122D+2CH
		H122Z+2C	H122Z+H2C	H122Z+2CH
		Trapeze		L : 400mm, H : 180mm
External dimensions W x D x H (mm)	1200 x 750 x 1160			
Internal dimensions W x D x H (mm)	1145 x 700 x 935			
Weight (kg)	85			
Number of engines	1	2		
For liquid use only, to be chosen (mandatory) (1) : prEN 17242 : A/2/1 class	[ventilation + charcoal filter]	[ventilation + charcoal filter]	✕	✕
Active charcoal filter(s) for organic vapors	2 x ORG200 (22 kg) E-DETECT: SATORG	4 x ORG200 (44 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	2 x CORG201 (24 kg) E-DETECT: SATCORG	4 x CORG201 (48kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	2 x FOR200 (24 kg) E-DETECT: SATFOR	4 x FOR200 (48 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	2 x AMM 200 (24 kg) E-DETECT: SATAMM	4 x AMM 200 (48 kg) E-DETECT: SATAMM		
For powder + liquid use or liquid use references to be ordered together (2) must be chosen from (1) : prEN 17242 : A/3/1 class	✕	✕	[charcoal + ventilation]	[HEPA + ventilation]
H14 Hepa filter(s) for powder handling (2)	-	2 x HEP200 (4 kg)		
Hepa filter holder (2)	-	2 x SH200 (8 kg)		
Active charcoal filter(s) for organic vapors	-	4 x ORG200 (44 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	-	4 x CORG201 (48kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	-	4 x FOR200 (48 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	-	4 x AMM 200 (48 kg) E-DETECT: SATAMM		
Additional accessories				
Containment sump + HPL work-top	BB12 (12 kg)			
Containment sump + Tempered glass work-top	BV12 (17 kg)			
Integrated outdoor light	LUMI (1 kg)			
Tubular table on 4 feet	TTF12 (16 kg)			
Tubular roller table (on castors)	TTR12 (17 kg)			
Monobloc rolling table with storage shelf	TR12 (51 kg)			
Table / trolley cabinet	TA12 (54 kg)			

(1) All filters must be of the same type

⊘ Ventilation   ▬ Active charcoal filter   ▨ HEPA filter   ▭ CAR200 box

Lithium-ion cabinets
Flammable cabinets
Corrosive cabinets
Toxic cabinets and Multirisk
Containment and cans
File cabinets
Anti-fire equipments
Showers and first-aid equipments

Fume hoods, filtering cabinets - Ventilation

Lithium-ion cabinets

Flammable cabinets

Corrosive cabinets

Toxic cabinets and Multirisk

Containment and cans

File cabinets Anti-fire equipments

Showers and first-aid equipments

RANGE H+   1500 mm

NFX 15-211   CLASS 1   C€

MADE IN EUROPE

▲ H153Z+H2C + BV15 + 6 x CORG201 + 3 x (SH200 + HEP200) + SATORG

H152Z+2C

H153Z+2C

H152Z+H2C

H153Z+H2C

H153Z+2CH

H153Z+2CH

RANGE H+ 1500 mm

NFX 15-211 · **CLASS 1** · CE · MADE IN EUROPE

P/N & Working opening type	H152D+2C	H152D+H2C	H152D+2CH	H153D+2C	H153D+H2C	H153D+2CH
	H152Z+2C	H152Z+H2C	H152Z+2CH	H153Z+2C	H153Z+H2C	H153Z+2CH
	Trapeze		L : 400mm, H : 180mm	Trapeze		L : 400mm, H : 180mm
				H153G+2C	H153G+H2C	H153G+2CH
				Large width		L : 850mm, H : 180mm
External dimensions W x D x H (mm)	1500 x 750 x 1160					
Internal dimensions W x D x H (mm)	1445 x 700 x 935					
Weight (kg)	102					
Number of engines	2			3		
For liquid use only, to be chosen (mandatory) [1]: prEN 17242 : A/2/1 class	⊞	✕	✕	⊞	✕	✕
Active charcoal filter(s) for organic vapors	4 x ORG200 (44 kg) E-DETECT: SATORG			6 x ORG200 (66 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	4 x CORG201 (48kg) E-DETECT: SATCORG			6 x CORG201 (72 kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	4 x FOR200 (48 kg) E-DETECT: SATFOR			6x FOR200 (72 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	4 x AMM 200 (48 kg) E-DETECT: SATAMM			6 x AMM 200 (72 kg) E-DETECT: SATAMM		
For powder + liquid use or liquid use references to be ordered together [2] must be chosen from [1]: prEN 17242 : A/3/1 class	✕	⊞	⊞	✕	⊞	⊞
H14 Hepa filter(s) for powder handling [2]	2 x HEP200 (4 kg)			3 x HEP200 (6 kg)		
Hepa filter holder [2]	2 x SH200 (8 kg)			3 x SH200 (12 kg)		
Active charcoal filter(s) for organic vapors	4 x ORG200 (44 kg) E-DETECT: SATORG			6 x ORG200 (66 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	4 x CORG201 (48kg) E-DETECT: SATCORG			6 x CORG201 (72 kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	4 x FOR200 (48 kg) E-DETECT: SATFOR			6x FOR200 (72 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	4 x AMM 200 (48 kg) E-DETECT: SATAMM			6 x AMM 200 (72 kg) E-DETECT: SATAMM		
Additional accessories						
Containment sump + HPL work-top	BB15 (16 kg)					
Containment sump + Tempered glass work-top	BV15 (21 kg)					
Integrated outdoor light	2 x LUMI (2 kg)					
Tubular table on 4 feet	TTF15 (22 kg)					
Tubular roller table (on castors)	TTR15 (23 kg)					
Monobloc rolling table with storage shelf	TR15 (65 kg)					
Table / trolley cabinet	TA15 (61 kg)					

(1) All filters must be of the same type

⊛ Ventilation   ▬ Active charcoal filter   ▨ HEPA filter   ▭ CAR200 box

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Fume hoods, filtering cabinets - Ventilation

Lithium-ion cabinets

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NFX 15-211 | CLASS 1 | CE

MADE IN EUROPE

▲ H184G+H2C + BB18 + 8 x CORG201 + 4 x (SH200 + HEP200) + SATORG

H184G+2C

H183G+2C

H184G+H2C

H184G+2CH

Fume hoods, filtering cabinets - Ventilation

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RANGE H+ 1800 mm

NFX 15-211 **CLASS 1** **CE**   **MADE IN EUROPE**

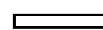| P/N & Working opening type	H183G+2C	H184G+2C	H184G+H2C	H184G+2CH
	Large width L : 1150mm, H : 180mm			
External dimensions W x D x H (mm)	1800x 750 x 1240			
Internal dimensions W x D x H (mm)	1745 x 700 x 935			
Weight (kg)	125			
Number of engines	3	4		
For liquid use only, to be chosen (mandatory) [1] : prEN 17242 : A/2/1 class	⟦filter diagram⟧	⟦filter diagram⟧	✕	✕
Active charcoal filter(s) for organic vapors	6 x ORG200 (66 kg) E-DETECT: SATORG	8 x ORG200 (88 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	6 x CORG201 (72 kg) E-DETECT: SATCORG	8 x CORG201 (96 kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	6x FOR200 (72 kg) E-DETECT: SATFOR	8 x FOR200 (96 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	6 x AMM 200 (72 kg) E-DETECT: SATAMM	8 x AMM 200 (96 kg) E-DETECT: SATAMM		
For powder + liquid use or liquid use references to be ordered together [2] must be chosen from [1] : prEN 17242 : A/3/1 class	✕	✕	⟦filter diagram⟧	⟦filter diagram⟧
H14 Hepa filter(s) for powder handling [2]	3 x HEP200 (6 kg)	4 x HEP200 (8 kg)		
Hepa filter holder [2]	3 x SH200 (12 kg)	4 x SH200 (16 kg)		
Active charcoal filter(s) for organic vapors	6 x ORG200 (66 kg) E-DETECT: SATORG	8 x ORG200 (88 kg) E-DETECT: SATORG		
Active charcoal filter(s) for corrosive and organic vapors	6 x CORG201 (72 kg) E-DETECT: SATCORG	8 x CORG201 (96 kg) E-DETECT: SATCORG		
Active charcoal filter(s) for formaldehyde vapors	6x FOR200 (72 kg) E-DETECT: SATFOR	8 x FOR200 (96 kg) E-DETECT: SATFOR		
Active charcoal filter(s) for ammonia vapors	6 x AMM 200 (72 kg) E-DETECT: SATAMM	8 x AMM 200 (96 kg) E-DETECT: SATAMM		
Additional accessories				
Containment sump + HPL work-top	BB018 (18 kg)			
Containment sump + Tempered glass work-top	BV18 (25 kg)			
Integrated outdoor light	3 x LUMI (3 kg)			
Tubular table on 4 feet	TTF18 (24kg)			

(1) All filters must be of the same type   ⊙ Ventilation   ▬ Active charcoal filter   ▨ HEPA filter   ▭ CAR200 box