

EN
14470-1

FM
6050

NFX
15-211

prEN
17242

CE

30
HOMOLOGUÉE
EN14470-1

MADE IN
EUROPE



EN 14470-1 & FM FILTERING VENTILATION SAFETY CABINETS TYPE-30 MINUTES



▲ AFV35 + CORG51



▲ AFV34 + CORG51



▲ AF35+ CORG51



▲ AF34+ CORG51

COMPLIANCE

- Adsorption capacity of active charcoal filters and filtration system tested to NF X 15-211 - May 2009.
- Compliant to articles R.5132-66 and R.5132-68 of the Public Health Code.
- Complies with the recommendations of the I.N.R.S.
- Complies with level 2 of standard EN 16121+A1 (opening/closing 80000 cycles and placing the load defined by the manufacturer on the shelves).
- Tested and approved for 30 minutes according to EN 14470-1 and EN 1363-1.
- Tested and approved to FM 6050 (Factory Mutual international)
- Standardized warning labels in accordance with ISO 3864, standards, Directive 92/58/EEC, EN 14470-1 and FM specifications.
- Electric fan conforms to CE specifications.

ADVANTAGES

- **Labopur®** technology.
- Available in 2 versions: solid doors or glass doors.
- Self-contained cabinets for your safety.
- Elimination of dangerous vapors.
- No connection or evacuation required, no civil engineering solution.
- Ventilation system operation indicator light.
- Window for checking the presence of the filter adapted to your needs.
- Active charcoal filter for organic vapors or high efficiency polyvalent active charcoal filter(1) tested to NF X 15-211 standard.
- Anti-dust filter, 92% efficiency against particles < 3 µm.

- Easy replacement of the active charcoal filter.
- Hour meter permanently indicating the total duration of use of the cabinet. After programming, every 60 hours an acoustic signal indicates that the active charcoal filter should be checked for saturation.
- 30 minutes fire resistance according to the ISO 834 standard curve.
- Base with cover for easy movement by pallet truck, when empty, except for the «under-cabinet» models.
- Self-closing cabinets, with preponderance of doors and doors held open by thermo-fuses triggered at 47°C.

TECHNICAL CHARACTERISTICS

- Insulated panel construction with high resistance to chemical attack.
- Light grey RAL 7035 frame with yellow RAL 1023 plated fields.
- Fireproof glass door(s), thickness 17 mm.
- Standardized warning labels.
- Containment shelves adjustable in height at 32 mm intervals.
- Removable containment sump at the bottom.
- Ventilation holes Ø 100 mm for possible connection.
- Self-closing doors with preponderance of wings.
- System for holding doors in open position with automatic closing in case of fire.
- 3 points key lock.
- Locking system with anti-spark lock.
- Adjustable legs for levelling.
- 2 independent storage compartments for the AFV35 and AF35 models.



Filtration box :

- Silent fan: 220-240 volts - 50 Hz; 86 m3/hour flow rate; 0.1 A; 20 watt; 43 dB(A) sound level (excluding air flow) with plug and electric cable - IP54 protection.
- Casing to be equipped with a molecular filter ORG50 or CORG51 for indoor discharge, or with a kit for use without active charcoal filter (CAR50) for outdoor connection.

PVC containment shelf and containment sump.

Filter saturation level control by REACTIVE TUBES:

- Control port on the front side.
- Hole for the introduction of specialised reagent tubes.
- Use of a manual pump.
- Detection of the efficiency or saturation of the active charcoal filter by reading the tubes.

OPTIONS

Additional shelf, perforated cover plate for containment sump, sliding drawer/containment sump.

Absorbent mats to be placed at the bottom of the containment sump (supplied in packs of 10 sheets reference JF10D).

Active charcoal filters:

The cabinets are delivered without active charcoal filters. You must select one from the table below depending on the type of products you are storing. See table.

CABINETS TO BE EQUIPPED WITH A FILTER

P/N	Description	Dimensions H x W x D (mm)	Storage capacity (L)	Containment capacity (L)	Number of shelves	Weight (kg)
AF34	Filtering ventilation cabinet with solid door	Ext. 2210 x 605 x 550 Int. 1581 x 491 x 419	130	20	3	132
AFV34	Filtering ventilation cabinet with glass door	Ext. 2210 x 605 x 550 Int. 1581 x 491 x 419	130	20	3	132
AF35	Filter ventilation cabinet with solid doors	Ext. 2210 x 1115 x 550 Int. (2x) 1581 x 490 x 419	(2x) 120	(2x) 20	6	247
AFV35	Filtering ventilation cabinet with glass doors	Ext. 2210 x 1115 x 550 Int. (2x) 1581 x 490 x 419	(2x) 120	(2x) 20	6	247

CHARCOAL FILTERS AND ACCESSORIES

P/N	Description	Dimensions H x W x D (mm)	Containment capacity (L)	-	Weight (kg)
CORG51	Active charcoal filter for corrosive and organic vapors ⁽¹⁾	70 x 390 x 390	-	To be changed at least once a year.	9
ORG50	Active charcoal filter for organic vapors	70 x 390 x 390	-		8
FOR50	Active charcoal filter for formaldehyde vapors	70 x 390 x 390	-		8
CAR50	Kit for using without filter				2
PMAF	Manual pump for reagent tubes				0,4
TROR	10 reagent tubes for "organic" tests				0,1
TRAC	10 reagent tubes for "corrosive" tests				0,1
TROA	5 reagent tubes for «organic» tests and 5 reagent tubes for «corrosive» tests				0,1
E48	Additional containment shelf	30 x 490 x 410	6	-	3
SE148	PVC additional containment shelf	30 x 475 x 405	5	-	3
SB148	PVC containment sump	100 x 475 x 405	19	-	4
JF10D	Absorbent mats (pack of 10 sheets)				1

(1) CORG multipurpose active charcoal filters can adsorb the vast majority of commonly used products: corrosive products, organic compounds or solvents.

N.B : Refer to the table of chemical incompatibilities and precautions for use, to validate the configuration of your cabinet according to your needs.