

Labopur® RECIRCULATING AIR BOX



▲ H50C + CORG51



▲ H50+S + CORG51 (filter change)

1
FILTRALARME 5
Interface2
Active charcoal
filter3
Control
window

OPERATING PROCESS

Take advantage of **Labopur®** technology onto any cabinet. The electric fan allows the extraction of harmful and toxic vapors from your cabinet. They are purified as they pass through the active charcoal filter and then released into the atmosphere without harming the environment.

COMPLIANCE

- Adsorption capacity of active charcoal filters and filtration system tested and approved to NF X 15-211 - May 2009.
- Electrical fan conforms to CE specifications.

ADVANTAGES

- **Labopur®** technology.
- Adaptable to any cabinet, 3 connection possibilities.
- Solution without civil engineering, simple and aesthetic assembly.
- Indicator light for ventilation system operation.
- Window for checking the presence of the filter adapted to your needs.
- High efficiency active charcoal filter specialised and treated according to the products stored, tested to NF X 15-211 - May 2009.
- Anti-dust filter, 92% efficiency against particles < 3 µm.
- Easy replacement of the active charcoal filter.
- FILTRALARME 5 interface with touch screen for ergonomic hood management.
- 5 languages available: French - English - German - Spanish - Italian.
- Automatic airflow regulation.
- Airflow and hour meter displayed simultaneously.
- Date of installation of filters and filter types indicated and visible during operation.

DIGITAL SCREEN (H50+S)

- Measures airflow velocity (0.4- 0.6 m/s) and thus detects and alerts you with an audible and visual signal about filter clogging or any airflow anomaly.
- In compliance with standard NF X 15-211. The automatic airflow regulator (0.4-0.6 m/s) analyzes airflow speed in real time and checks that the hood is operating at negative pressure.

TECHNICAL CHARACTERISTICS

- 12/10th steel construction.
- White RAL 9010 and blue RAL 5015 epoxy paint.
- Silent electric fan, 43 dB(A) (excluding air flow), 220-240 volts - 20 watt - 0,1 A - flow rate 86 m³/h - IP54 protection.
- Suction diameter: Ø 100 mm.

OPTIONS

- Active charcoal filter: boxes are delivered without active charcoal filter.
- You must select one from the table below according to the types of products you store.
- Filter saturation level control by REACTIVE TUBES: Control port on the side of the cabinet.
- Hole for introduction of specialized reagent tubes. Use of a hand pump.
- Detection of the efficiency or saturation of the active charcoal filter by reading the tubes.
- Connection kit option (KRC):
 - Allows easy connection of an Air Box to a safety cabinet.
 - 1 Ø 100 mm sleeve, ref. CHJ, to be fixed on the ventilation outlet of your cabinet.
 - 1 metre of Ø 100 mm flexible hose, ref. KL100.
 - 2 clamps Ø 100 mm, ref. CDS100.

REMINDER: We also propose specific type of filters for specific applications. Filters must be changed at least once a year.

P/N	Description	Dimensions H x W x D (mm)	Weight (kg)
H50C	Recirculating air box (delivered without filter)	310 x 510 x 485	15
H50+S	Recirculating air box with filtralarME 5 (supplied without filter)	310 x 510 x 485	15
ORG50	Active charcoal filter for organic vapors	70 x 390 x 390	8
CORG51	Polyvalent active charcoal filter ⁽¹⁾ for corrosive and organic vapors	70 x 390 x 390	9
FOR50	Active charcoal filter for formaldehyde vapors	70 x 390 x 390	9
CAR50	Kit to use recycling air box without filter	70 x 390 x 390	2
PMAF	Manual pump	-	0,4
TROR	10 organic test tubes	-	0,1
TRAC	10 "corrosive" test tubes	-	0,1
TROA	5 "organic" and 5 "corrosive" test tubes	-	0,1
KRC	Connection kit for box	-	1

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



Labopur® VERTICAL RECIRCULATING AIR BOX



▲ H40+ + ORGFC
(Bench and cabinet not included)



▲ H40+ + ORGFC (for changing the filter)



FILTRALARME 5
Interface
for H40+S



1
Castors



2
Control
window

OPERATING PROCESS

Take advantage of **Labopur®** technology onto any cabinet. The electric fan allows the extraction of harmful and toxic vapors from your cabinet. They are purified as they pass through the active charcoal filter and then released into the atmosphere without harming the environment.

COMPLIANCE

- Adsorption capacity of active charcoal filters and filtration system tested and approved to NF X 15-211 - May 2009.
- Electrical fan conforms to CE specifications.

ADVANTAGES

- **Labopur®** technology.
- Suitable for any cabinet, especially for under-bench cabinets.
- Civil engineering-free solution, simple and aesthetic installation.
- Ventilation system operation indicator light.
- Window for checking the presence of the filter adapted to your needs.
- High efficiency active charcoal filter specialised and treated according to the products stored, tested to NF X 15-211 - May 2009.
- ADVANTAGES
- Anti-dust filter, 92% efficiency against particles < 3 µm.
- Easy replacement of the active charcoal filter.
- Castors at the back for easy movement.
- FILTRALARME 5 interface with touch screen for ergonomic hood management.
- 5 languages available: French - English - German - Spanish - Italian.
- Automatic airflow regulation.
- Airflow and hour meter displayed simultaneously.
- Date of installation of filters and filter types indicated and visible during operation.

INTERFACE ÉCRAN TACTILE (H50+S)

- Measures airflow velocity (0.4- 0.6 m/s) and thus detects and alerts you to filter clogging or any airflow anomaly with an audible and visual signal.
- In compliance with standard NF X 15-211. The automatic airflow regulator (0.4-0.6 m/s) analyzes airflow speed in real time and checks that the hood is operating at negative pressure.

TECHNICAL CHARACTERISTICS

- 12/10th steel construction.
- White RAL 9010 and blue RAL 5015 epoxy paint.
- Silent electric fan, 43 dB(A) (excluding air flow), 220-240 volts - 20 watt - 0,1 A - flow rate 86 m3/h - IP54 protection.
- Suction diameter: Ø 100 mm.

OPTIONS

- Active charcoal filter: The boxes are delivered without an active charcoal filter.
- You must select one from the table below according to the types of products you store.
- Filter saturation level control by REACTIVE TUBES:
- Control port at the front of the chamber.
- Hole for introduction of specialized reagent tubes. Use of a hand pump.
- Detection of the efficiency or saturation of the active charcoal filter by reading the tubes.
- Connection kit option (KRC):
- Allows easy connection of an Air Box to a safety cabinet.
- 1 Ø 100 mm sleeve, ref. CHJ, to be fixed on the ventilation outlet of your cabinet.
- 1 metre of flexible hose Ø 100 mm, ref. KL100.
- 2 clamps of Ø 100 mm, ref. CDS100.

REMINDER: We also propose specific type of filters for specific applications. Filters must be changed at least once a year.

P/N	Description	Dimensions H x W x D (mm)	Weight (kg)
H40+	Vertical recirculating air box (delivered without filter)	630 x 270 x 460	15
H40+S	Vertical recirculating air box with filtralarme 5 (supplied without filter)	630 x 270 x 460	18
ORGFC	Active charcoal filter for organic vapors	100 x 200 x 400	8
CORGFC	Polyvalent active charcoal filter ⁽¹⁾ for corrosive and organic vapors	100 x 200 x 400	9
FORFC	Active charcoal filter for formaldehyde vapors	100 x 200 x 400	9
CARFC	Kit to use recycling air box without filter	100 x 200 x 400	2
PMAF	Manual pump	-	0,4
TROR	10 organic test tubes	-	0,1
TRAC	10 "corrosive" test tubes	-	0,1
TROA	5 "organic" and 5 "corrosive" test tubes	-	0,1
KRC	Connection kit for box	-	1

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

VENTILATION BOX



▲ CDV-A + option KRC + option KL100 + option CDS100



▲ CDV-A



▲ KRC

OPERATING PROCESS

The electric fan allows the extraction of toxic vapors that are created inside your hazardous goods storage cabinets.

COMPLIANCE

Electric fan complies with ISO 3744 and CE specifications.

ADVANTAGES

- Adaptable to any type of cabinet, simple and aesthetic assembly.
- Easy adaptation between the opening on the cabinet and the ventilation opening.
- Connection via flexible hose Ø 100 mm (optional).
- On/off switch with indicator light to control the fan power supply.

TECHNICAL CHARACTERISTICS

- 12/10th steel construction, epoxy painted white RAL 9010.
- Steel volute electric fan with on/off switch.
- 220/240 volts - 50 Hz - 62 W - 0.28 A - 57 dB(A) (excluding airflow)
- Flow rate: 240 m³/h.
- Inlet diameter: Ø 100 mm / outlet diameter: Ø 100 mm.

OPTIONS CONNECTION KIT (KRC)

- Allows easy connection of a box to a safety cabinet.
- 1 Ø 100 mm sleeve, ref. CHJ, to be fixed on the ventilation outlet of your cabinet.
- 1 metre of flexible hose Ø 100 mm, ref. KL100.
- 2 clamps of Ø 100 mm, ref. CDS100.

P/N	Description	Dimensions H x W x D (mm)	Weight (kg)
CDV-A	Steel ventilation box	235 x 260 x 245	8
KRC	Connection kit for box	-	1
1 KL100	Hose diam. 100 mm, per metre	-	0,2
4 CHJ	Steel connection sleeve diam. 100 mm	-	0,1
CDS100	Clamp diam. 100 mm	-	-

VENTILATION EQUIPMENTS



P/N	Description	Weight (kg)
2 R100	Duct connection diam. 100 mm	0,5
3 RT188	Cross in PVC diam. 100 mm	0,5
5 CT90	PVC 90° elbow diam. 100 mm	0,5
6 V125	Manually operated PVC damper diam. 125 mm	1
7 BT188	PVC tee diam. 100 mm (also available in Y, please consult us)	0,5
8 ELE75	Reducer diam. 100/75 mm	0,5
8 ELE39	Reducer diam. 125/100 mm	0,5