



MODELS 1 - 10

Our safety cabinets for the storage of hazardous substances are provided with a DN 80 exhaust air connection. The forced ventilation can be carried out by one of our standard extraction fans or by a suitable in-house air extraction system. The exhaust air is to be discharged from the building into a hazard-free zone.

The operation of safety cabinets for the storage of flammable liquids as per DIN EN 14470-1 is governed by TRGS 510. When operating the cabinets without technical forced ventilation, additional replacement measures have to be taken to ensure comparable explosion protection. The herfore required risk assessment we suggest to undertake as per BGR 104 (EX-RL) example collection 2.2.8.

For this reason, and also to avoid the presence of hazardous vapors in the atmosphere near the cabinet, we always recommend that safety cabinets are operated with an extraction fan (min. air exchange rate 10 times per hour) for proper operation in accordance with TRGS 510, annex 1! If an extraction fan is to be used in an EX-endangered zone then it is essential that an EX-proof version is used!



Models 1 + 3 + 9

Extraction from individual safety cabinets

For mounting directly on the storeLAB® safety cabinet - complicated connections from the extraction fan to the safety cabinet are no longer necessary!!

- Not suitable for fume hood underbenches
- With mounting plate for easy mounting on cabinet roof - suction side of fan is connected



If the safety cabinet is used together with an extraction fan then it is no longer necessary to set up and maintain an EX-zone around the safety cabinet!

Models 5 + 7 + 10

Extraction from up to 2 safety cabinets

Extraction fan with mounting base, for separate installation beside (e.g. on wall of room) or on the safety cabinet

- Suitable for all storeLAB® safety cabinets
- With mounting plate for easy mounting on cabinet roof

Models 4 + 8

Plug-in versions

Easy extraction fan connection (suction side) with DN 80 flexible aluminum tubing, with earthed plug and 2 m connection cable.

- Not suitable for fume hood underbenches
- For mounting on safety cabinet

Model 8 with exhaust air monitoring:

- Extraction fan operation checked by monitoring the air flow
- Acoustic message if extraction fan stops working or safety cabinet ventilation slots become blocked



Installation example: Models 1 + 3 + 9



Installation example: Models 5 + 7 + 10



Installation example: Model 8

Description	Model 1	Model 3	Model 9	Model 5	Model 7	Model 10	Model 4	Model 8
EX-proof	NO	YES	YES	NO	YES	YES	NO	NO
Electricity supply	230 V	400 V	230 V	230 V	400 V	230 V	230 V	230 V
Weight (kg)	6,0	6,0	6,0	6,0	6,0	6,0	7,5	7,5
Article no.	B80-2839-A	B80-2841-A	B80-2847-A	B80-2844-A	B80-2846-A	B80-2848-A	B80-2842-A	B80-2843-A

All extraction fans comply with EG Directive 94/9/EG (ATEX)

Connection work to be done by customer!



HAZARDOUS SUBSTANCES FILTER ATTACHMENT GFA BASIC

The LACONT hazardous substances filter attachment GFA Basic works with forced air circulation and is used for the technical ventilation of storeLAB® safety cabinets type 30 / type 90 as per DIN EN 14470-1 for the storage of flammable liquids.

Because of its quiet operation the LACONT hazardous substances filter attachment GFA Basic is ideal for direct use at the workplace.

Functioning, display and operation:

The LACONT hazardous substances filter attachment GFA Basic reacts to coarse particulate contaminants (dust, etc.) as well as to strong contamination of the exhaust air by hydrocarbon vapors and gases. A saturated filter is indicated by warning LEDs. Hydrocarbon vapors are removed from the exhaust air from the cabinet by passing it through the built-in active charcoal filter so that the air can be discharged directly into the room atmosphere. The special feature of the filter is its tandem structure. If the main filter is saturated, the second integrated filter ensures additional security over a period up to 14 days.

In order to ensure hazard-free working conditions the LACONT hazardous substances filter attachment GFA Basic should be serviced and its functions checked by an expert at least once per year. The tandem active charcoal filter should be replaced during this check.



Technical data:

Housing:	Powder-coated sheet steel, RAL 7035 - light grey
External dimensions (W x D x H):	310 mm x 510 mm x 210 mm
Motor performance:	0,03 kW
Nominal voltage:	230 V
Frequency:	50 Hz
Current consumption:	0,2 A
Noise level:	< 42 dB (A)
Net weight (without filter):	10 kg
Weight of active charcoal filter:	3 kg
Volume flow (at cabinet):	25 m³/h

Benefits:

- ◆ If a LACONT hazardous substances filter attachment GFA Basic is used then it is no longer necessary to maintain an explosion-endangered zone around the safety cabinet (see TRGS 510, annex 1), as proved by a test report issued by an authorized testing, monitoring and certification office (test laboratory accredited by the German Accreditation Council DAR)
- ◆ Exhaust ducts venting in the open air are no longer necessary, therefore no cost-intensive installation work is required
- ◆ No room atmosphere pollution due to virtually 100% filtering of all solvent vapours - employee health protection!
- ◆ Low service and maintenance costs



Description	Article no.
Hazardous substances filter attachment GFA Basic	B80-2880-A
Attachment adapter for storeLAB® type 30 cabinets	B80-2994-A
Attachment adapter for storeLAB® type 90 cabinets	B80-2883-A
Attachment adapter for storeLAB® CHS 950 / SiBox	B80-2885-A
Attachment adapter for storeLAB® AUS type 30 / 90	B80-2993-A
Attachment adapter for storeLAB® SiS-FAS type 90 / 900	B80-2884-A
Attachment adapter for storeLAB® SiS-FAS type 90 / 1550	included
Replacement filter	B80-2882-A



Further attachment adapters for older safety cabinets available on request!