

Recirculating air filter system UFA.20.30

You can avoid this in the future!



Plug-in recirculating air filter system for safety cabinets (tall cabinets) type VBFA, VBFT, VBF and drum cabinets.

Safe air extraction of safety cabinets in work areas.

Eliminates explosion risk area around the safety cabinet

Ideal for use directly at the workplace - very low noise only approx. 39 dB (A).

- Housing made of sheet-steel, plastic laminated in RAL 7035 light grey, red cover RAL 3002
- Dimensions W x D x H (mm): 305 x 555 x 210
- Complete with multistage filter system, connection cable and power cord.

Order No. 21360 B

Filter for UFA.20.30

Order No. 17360 B

Adapter attachment 1 for UFA.20.30

- Absolutely necessary for drum cabinets type VBF.221 and all asecos safety cabinets type 197

Order No. 15776 B

Adapter attachment 2 for UFA.20.30

- Absolutely necessary for asecos safety cabinets before type 197 and F30, F30T and F15 types. Can also be used for non-asecos cabinets.

Order No. 15784 B

NEW



UFA - Installation, easy and safe in two steps:



- ① Position the recirculating air filter unit on top of the safety cabinet.



- ② Plug in the power cord.

Your advantages

- **No expensive extraction piping necessary, easy and safe installation of the recirculating air filter system in two steps**
- **Eliminates explosion risk area around the cabinet, high flexibility in choosing the installation location**
- **Active personal protection through safe capture of harmful vapours with retention in the filter system**
- **Very low noise only approx. 39 dB (A)**

Recirculating air filter system UFA.20.30



- 1 Extraction air monitoring
- 2 Filter monitoring

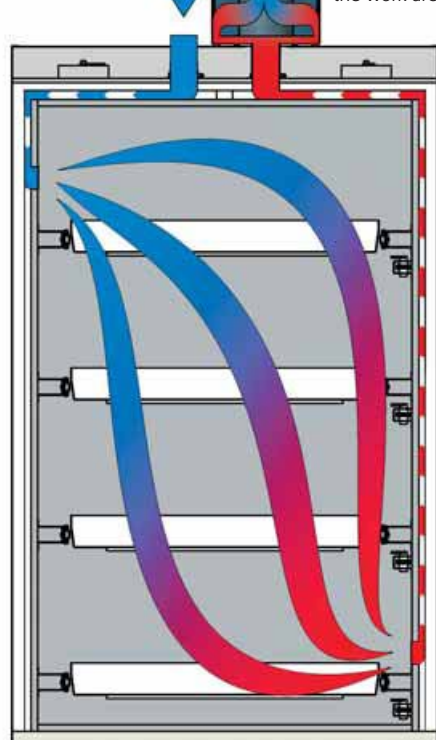
Recirculating air filter system according to RL 94/9/EG (ATEX) RL 73/23/EWG (low voltage directive) Marking: CE II 3 G T4

The recirculating air filter system from asecos. Successfully tested and certified by



Operating principal of the recirculating air filter system

Fresh air supply from the work area
Return of the cleaned air directly into the work area



Type of investigation

Comparative measurement of the contamination of the extraction air flow by solvent vapours (hydrocarbons) with and without filter system. The tested solvents (hydrocarbons) display a typical cross section of the relevant materials, which have daily applications in laboratory and industrial practice and e.g. which are stored in safety cabinets. The polarity and boiling point are taken into account when choosing the materials as well as the specific variation in adsorption behaviour of the individual materials.

Evaluation of the results

The plug-in recirculating air filter system UFA.20.30 is capable of retaining solvent vapours (hydrocarbons) permanently up to a filter saturation of **more than 99,999 %**, under normal operating conditions as well as for a simulated accident in the safety cabinet.

The function - your safety

- The plug-in recirculating air filter system UFA.20.30 is capable of retaining solvent vapours (hydrocarbons) permanently up to a filter saturation of more than 99,999 %, under normal operating conditions as well as for a simulated accident in the safety cabinet
- Direct release of the cleaned extraction air from the safety cabinet into the work area
- No contact of the extraction air flow with live components
- Dry contact for further switching at a central control centre

1 Extraction air monitoring with:

- Permanent, electronic monitoring of the extraction air quantity
- Integrated pressure sensor
- Alarm activation: optical and via dry contact

2 Filter monitoring with:

- Permanent monitoring of filter saturation
- Two stage alarm activation: optical and via dry contact

Filter change

- Filter change is recommended/necessary once a year for normal amount of contamination

The tests - your safety

- ATEX and CE compliant
- Successful, complete testing of the recirculating air filter system by an independent testing institute (certified according to DIN ISO/IEC 17025 by the ZLS, German federal states central office for safety, as external measuring body for hazardous materials)
- Series of tests with small and large leak accident situations
- Investigations on various cabinet types and interior equipment

Technical data

Motor rating	kw	0,01
Nominal voltage	V	230
Frequency	Hz	50
Current input	A	0,09
Noise level	dB (A)	39
Revolutions	rpm	2450
Weight (incl. filter)	kg	15