

Вытяжные модули для технической вентиляции UFA.20.30-AUS, вытяжки с контролем и без контроля вытяжного воздуха HF.EA.8678, системы контроля отработанного воздуха SAS, APG.26.30-BL

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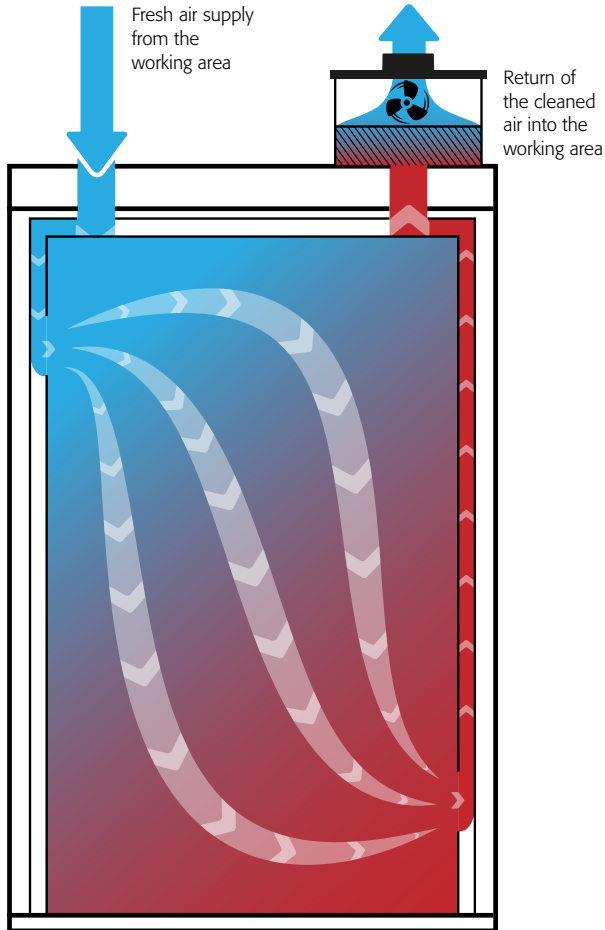
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Recirculating air filter systems

The flexible solution for complying with national occupational exposure limits and for avoiding a build-up of explosive atmospheres in solvent safety cabinets



Your advantages

- » Avoid complex wall and ceiling openings and expensive exhaust air ducts
- » 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. 23 dB (A)
- » Principle avoidance of hazardous area zones inside and around the safety storage cabinet

Product features and commissioning:

Filter technology

- Activated carbon (main filter) and broadband activated carbon (secondary filter) as absorbent filter media
- Filter housing made of reusable plastic (ABS) - used filters are sustainably reprocessed after return
- In the unlikely event of a filter breach, the secondary filter provides additional safety

Exhaust air monitoring

- Permanent, electronic monitoring of the exhaust air volume
- Visual and audible alarm with potential-free alarm contact

Filter monitoring

- Permanent monitoring of the filter saturation
- 2-stage alarm: optical via the display, acoustic via warning tone and with potential-free alarm contact

Assembly, easy and safe in only 2 steps:

- Position the recirculation filter unit on the cabinet ceiling
- Plug in the mains supply
- Use the optional potential-free contact to give an alarm

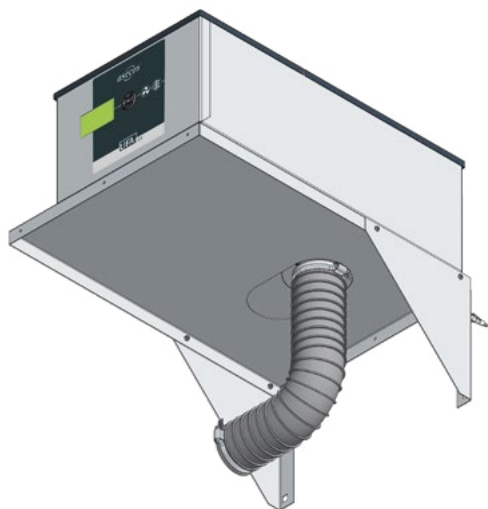




Order No. 39306



Order No. 39306 + 26885



Order No. 39306 + 23458

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Recirculating air filter system – avoid complex wall breakthroughs and expensive exhaust air ducts

- 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. 23 dB (A)
- ATEX compliant: $\text{CE II 3/-G Ex ic nA IIB T4 Gc}$
- Housing made of sheet-steel powder-coated
- With multi-stage filter system, secondary filter, connection cable and mains plug
- Incl. monitoring electronics for exhaust air and filter monitoring and display for status and error indication
- Key control panel for navigation of the functions and status query
- Optical and acoustic alarm including potential-free alarm contact
- Successfully tested by the certified testing institute



The plug-in recirculating air filter system, type 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 storage cabinet.

Technical data		All models
External dimensions W x D x H	mm	308 x 555 x 256
Nominal voltage	V	85-265
Frequency	Hz	50/60
Max. current consumption	A	0.13
Noise level (approx.)	dB	23.0
Weight	kg	18
Volume flow	m ³ /h	10
Potential-free alarm contact		
Max. continuous current	A	10
Max. nominal voltage AC	V	230
Max. nominal voltage DC	V	30



Model	Order No.
Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets	39306
Recirculating air filter system with exhaust air monitoring for drum cabinets	40259
Accessories	Order No.
Adapter for wall mounting	23458
Adapter as separate housing unit for lateral mounting (suitable for cabinets with depth 574 mm)	26885
New filter (activated carbon)	40202
New secondary filter	40200

Extraction modules



Extraction unit

for wall mounting, with exhaust air monitoring, CE compliant:
 CE Ⓢ II 3/- G Ex ic nA IIC T4, explosion-proof
Order No. 8678

Extraction module for technical ventilation of up to 4 safety storage cabinets

Safe capturing of escaping vapours and gases at the point where they are released or produced

- Suitable for 10 times air change
- Extraction air monitoring with integrated pressure leak detector
- Connecting fitting DN 100/140
- ATEX compliant: CE Ⓢ II 3/- G Ex ic nA IIC T4
- Housing made of sheet steel powder-coated

For wall-mounting

- Including mounting kit

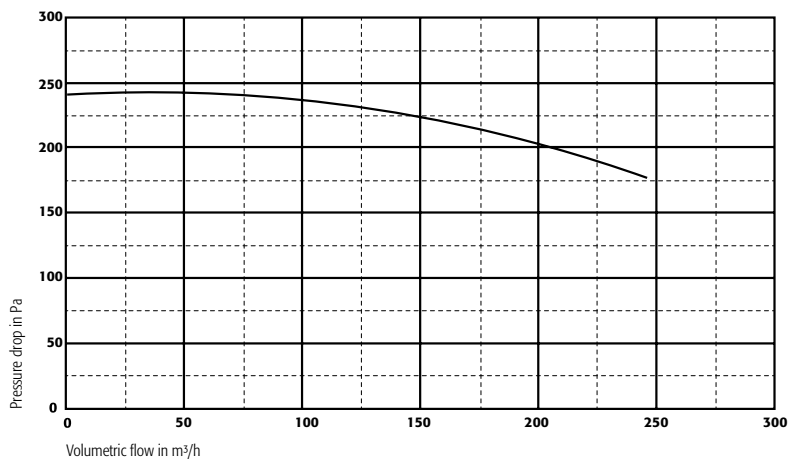
Technical data

HF.EA.8678

External dimensions W x D x H	mm	600 x 375 x 600
Nominal voltage	V	230
Frequency	Hz	50
Max. current consumption	A	0.6
Noise level (approx.)	dB	39.0
Speed	rpm	2780
Weight	kg	25



Diagram



Model

Extraction unit with exhaust air monitoring for technical ventilation of up to 4 cabinets

Order No.

8678

Extraction modules



Extraction unit
for installation on the cabinet, for tall cabinets, with exhaust air monitoring, CE compliant: $\text{CE} \text{ II } 3\text{-G Ex ic nA IIC T4}$, explosion-proof, extraction from: EX-Zone 2 / installation: outside any EX-ZONE

Order No. 14220



Extraction unit
for installation on the cabinet, for tall cabinets, CE compliant: $\text{CE} \text{ II } 3\text{-G Ex ic nA IIC T4}$, explosion-proof, extraction from: EX-Zone 2 / installation: outside any EX-ZONE

Order No. 14218

Extraction units/modules for installation on the cabinet or wall mounting – ready to plug-in, easy and quick installation

Safe capturing of escaping vapours and gases at the point where they are released or produced

- Very low noise, ideal for direct installation at the workplace
- With connection cable and power cord
- Connecting fitting DN 75
- ATEX compliant: $\text{CE} \text{ II } 3\text{-G Ex ic IIC T4}$

With extraction air monitoring

- Integrated pressure leak detector
- The green LED turns off in case of failure and the red LED lights up

Without extraction air monitoring

- The green LED turns of in case of power failure

Potential free alarm contact

- Additionally available for units with extraction air monitoring

For wall mounting

- Incl. installation bracket, flexible hose, hose clips and installation material

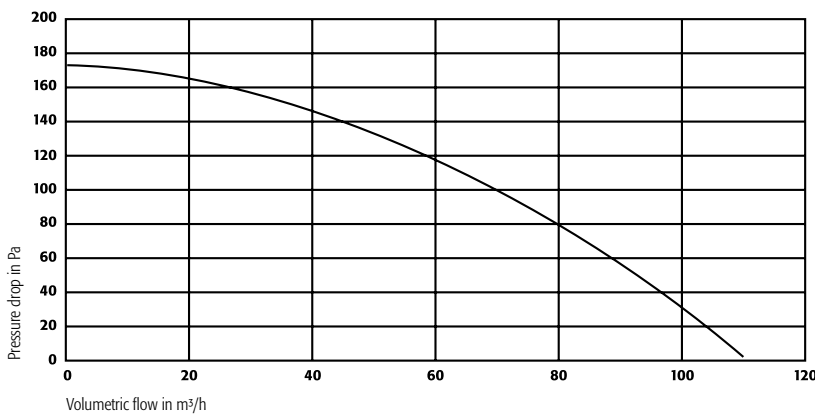


Extraction unit
for wall mounting, for under bench cabinets, with exhaust air monitoring, CE compliant: $\text{CE} \text{ II } 3\text{-G Ex ic nA IIC T4}$, explosion-proof, extraction from: EX-Zone 2 / installation: outside any EX-ZONE

Order No. 24315

Technical data	All models	
External dimensions W x D x H	mm	200 x 400 x 200
Nominal voltage	V	230
Frequency	Hz	50
Max. current consumption	A	0.35
Noise level (approx.)	dB	35.0
Speed	rpm	2400
Weight	kg	11

Diagram



Extraction unit
for wall mounting, CE compliant: $\text{CE} \text{ II } 3\text{-G Ex ic nA IIC T4}$, explosion-proof, extraction from: EX-Zone 2 / installation: outside any EX-ZONE

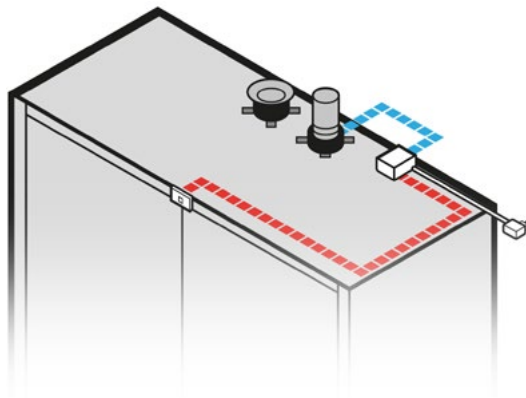
Order No. 17178

Model	Order No.
Extraction unit with exhaust air monitoring	14220
Extraction unit without exhaust air monitoring	17178
Extraction unit with exhaust air monitoring for wall mounting	17177
Extraction unit with exhaust air monitoring	with potential-free alarm contact 16454
Extraction unit with exhaust air monitoring for wall mounting	with potential-free alarm contact 18568
Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets	24315
Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets	with potential-free alarm contact 24732
Extraction unit without exhaust air monitoring	14218

Exhaust air monitoring systems



Order No. 39709



Order No. 14945

Safety Assistance System SAS

for permanent monitoring of **safe and energy-efficient storage** of hazardous substances

- **Maximum safety through permanent monitoring of the technical ventilation (explosion protection and protection of employee health)**
- **High energy efficiency thanks to control of extract air demand according to technical necessity**
- For safety cabinets according to EN 14470-1 as well as gas cylinder cabinets according to EN 14470-2
- Can be installed ex works or retrofitted in existing safety cabinets
- Permanent detection of the exhaust air volume flow by integrated differential pressure measurement with electronic evaluation
- Visual alarm when the minimum exhaust air volume flow is not reached and when doors or pull-outs are not fully closed
- Potential-free alarm contact for central monitoring
- Battery back-up in case of power failure (optional)
- Measuring connection for targeted setting of an energy-efficient extract air volume flow rate

Technical data		SAS
Electronic housing W x D x H	mm	90 x 75 x 45
Nominal frequency	Hz	50/60
Nominal flow	mA	100
Exhaust air volume flow	m ³ /h	10-150

Exhaust air monitoring systems – quick installation for a safe and reliable monitoring of the exhaust air

- Electro-pneumatic air exhaust monitoring
- Minimum volume flow 30 m³/h
- With connection cable (3 m) and power cord
- Mounting between cabinet and on-site air exhaust-system
- Connecting fitting DN 75
- Ready to plug-in, quick installation
- ATEX compliant: **CE** II 3/-G Ex n IIC T4

Technical data		APG.26.30-BL
External dimensions W x D x H	mm	300 x 400 x 265
Max. current consumption	A	0.15
Noise level (approx.)	dB	28.0
Weight	kg	10
Min. volume flow	m ³ /h	30

Model	Description	Order No.
SAS for safety cabinets according to EN 14470-1	System for condition monitoring of the min. 10-fold air change with visual display, potential-free switching contact and external differential pressure measuring point	39709
SAS for under bench cabinets according to EN 14470-1	System for condition monitoring of the min. 10-fold air change with visual display, potential-free switching contact and external differential pressure measuring point	39710
SAS for gas cylinder cabinets in accordance with EN 14470-2	System for condition monitoring of the min. 10-fold air change with visual display, potential-free switching contact and external differential pressure measuring point	40174
APG.26.30-BL	Exhaust air monitoring unit with exhaust air monitoring BASIC-LINE	14945

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