

MOBILE FILTER



CMF 300

Powerful, flexible and quiet mobile filter unit for industrial production, designed for welding fumes and metal particles.



DESIGNED FOR



TEST PENDING

FUMEX

PURE ADVANTAGE

Powerful. Flexible. Silent.

Cleanable mobile filter unit with built-in fan and top-mounted extraction arm. Extracts and cleans polluted air at the source in ventilated workshop environments. Designed to meet the requirements of EN ISO 21904-1:2020 for welding fume capture and separation equipment.

DESIGNED FOR



TEST PENDING

Clean air

The filter unit has a filtration efficiency of more than 99 % of smoke and dust pollutants from welding of high-alloy steels, such as stainless steel with a nickel and chromium content of 30 % or higher.

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High-performance

The filter cartridge with a 14 m² filter area is a high-performance BICO filter in polyester with a PTFE membrane, providing a penetration efficiency level of 0.01% according to EN 60335-2-69.

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Filter cleaning

The filter cartridge is cleaned manually by rotating an integrated reverse-air cleaning nozzle connected to compressed air. Dust particles released from the filter fall into the dust container.

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Adaptable

Available accessories include work lighting, a silencer and a spark arrester. Other hoses with special requirements can be supplied on request.

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Audible & visible alarm (LED)

When the airflow is too low, both an audible alarm and a warning light (LED) on the control panel give a warning, indicating that the filter cartridge needs to be cleaned or replaced.

Ideal

The hood is designed for maximum extraction efficiency and is ideal for capturing welding fumes.



Accessories

Advanced technology. Simple to control.

Start or stop. Increase or decrease the airflow. Filter cleaning alarm. The control panel is intuitive and easy to understand. It has a smooth design, while the technology sits on the inside.

EC motor

IE5-rated motor with high efficiency and low energy consumption provides a stable operation and low costs. Integrated constant flow compensates for filter contamination.

Functions:

- Soft start
- 230 V 1N~ / 50 Hz
- Speed control
- 0.75 kW

Powerful

The fan impeller has backward-curved blades and high efficiency. The fan delivers a stable and high airflow of 1200 m³/h. This, combined with the low pressure drop of the extraction arm, gives the CMF 300 filter unit a high performance.

Flexible

CMF 300 has compact dimensions. Together with swivelling and lockable wheels, it is easy to manoeuvre on uneven surfaces and position in confined work environments.

Silent

CMF 300 maintains a low 64 dB(A) at minimum rpm as standard version. With a silencer, the sound level is reduced by a further -3 dB(A).

LIGHTING **PR LS**

Work lighting (LED). Dimmable with adjustable positioning. Built-in push button with LED-indicator for start/stop of the fan. Including cable routing.

Technical data - LED (24 V)

Power:5 W
Luminous flux:500 lm¹
Luminous efficacy:110 lm/W
Colour temperature: ..4000 K

¹ Dimmable 100 - >10 %



PUSH BUTTON **PR S**

Push button for start/stop of the fan. Including cable routing.



SILENCER **CMF 300 SE**

Reduces the operating noise.



EXTENSION HOSE **PFS 4000/8000**

With magnetic nozzle and quick coupling adapted to the PR arm. Available in lengths of 4000/8000 mm.

SPARK TRAP **PR ST**

Protects both the extraction arm and filter unit from large particles and reduces risks during spark formation. Mounted on the nozzle of the extraction arm.

FILTER CARTRIDGE **CFS 140W3**

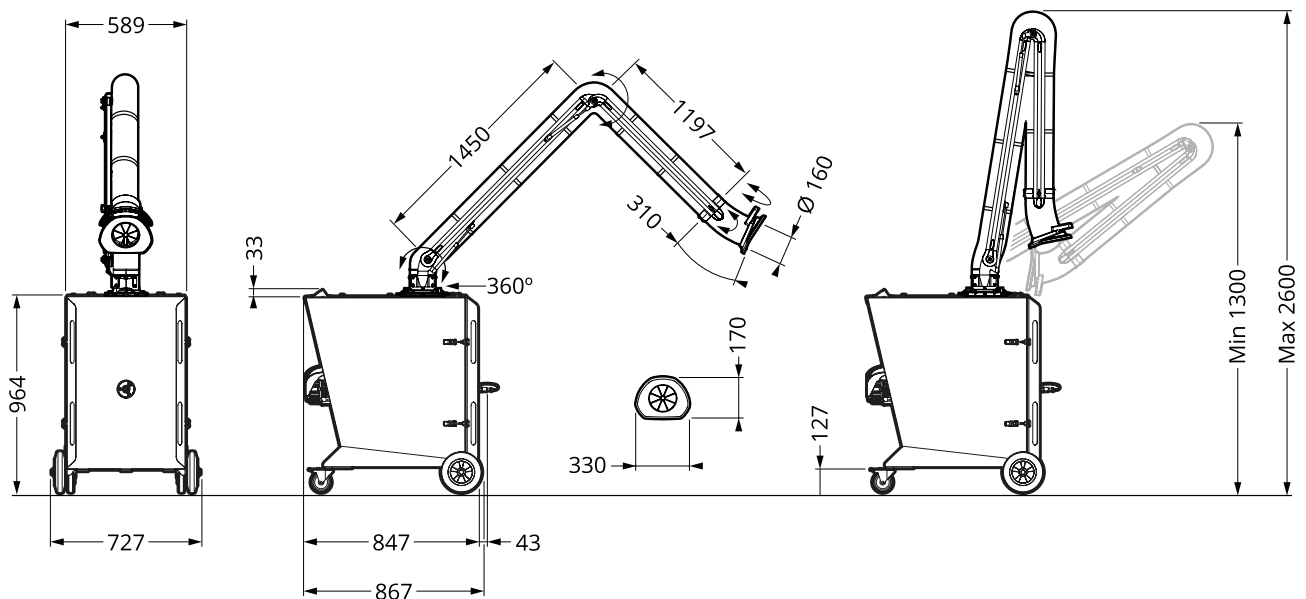
Filter cartridge for use under normal load in installations that comply with ISO standard EN 21904-1:2020 for safety in welding. The filter consists of corrugated polyester material with a PTFE membrane protected by expanded metal on the inside. When purchasing CFS 140W3, Filter Bag CFE PCW3 for contact-free filter replacement is included.

FILTER & DUST BAG **CMF PCW3**

Filter and dust bag for contact-free filter replacement and emptying of the dust container.

Technical information

Dimensional drawing (mm)



Technical data

Dimensions

See dimensional drawing.
Max. working radius: 2900 mm
Weight: 95 kg

Filtration

Filter cartridges: 1 pc
Filter area: 14 m²
Airflow (min/max): 650/1200 m³/h

Electronics

Voltage: 230 V 1N~
Frequency: 50 Hz
Power: 0.75 kW
Current: 5.5 A
Enclosure class: IP40
Cable length: 5 m

Sound level (at min/max rpm)

Standard version: 64/71 dB(A)
With CMF 300 SE: -3 dB(A)

Temperature limits

Ambient temperature: .. 5 °C to 40 °C
Transport &
storage temperature: -25 °C to 60 °C
Max. humidity: 80 %

Alarm limit for cleaning

Audible alarm: 600 m³/h

Specification

Delivery version

The filter unit is supplied partially assembled for easy installation.

Surface treatment

Plastic parts: PA, PA 30%
Aluminium parts: Anodised
Steel parts: Black oxidised, electrogalvanised
or powder coated

Hose type

PVC. Flame-resistant, suitable for welding and flue gases.
Temperature-resistant between -10 °C and 90 °C.

Other

Can also be supplied as a wall-mounted version.

EXTRACTION ARMS · VEHICLE EXHAUST EXTRACTION · FANS · FILTERS · CURTAINS · CONTROLS

FUMEX

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