

**euromate**

## Self-cleaning filter unit

Filters welding fumes  
effectively

- ▶ **Plug & play**
- ▶ **Intelligent control**
- ▶ **High-quality filtration**
- ▶ **Effective cleaning system**
- ▶ **Low energy consumption**
- ▶ **Easy maintenance**

Everyone knows that high-quality extraction and filtration systems in the metal industry are long-term investments. Not only are they required to make sure that legal limits for welding fumes are not exceeded, they also create a cleaner and healthier working environment. The result: better performance, increased productivity and less absenteeism due to illness.

## SCF-F plug & play filter units

### Optimise your extraction hood and multiple arm system

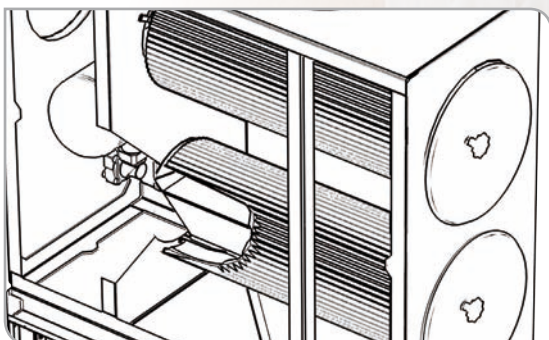
#### HEALTHY WORKING ENVIRONMENT

Welding, cutting and grinding are all common activities in the metal industry. Welding fumes and dust are just a few of the types of pollution that welders and metalworking personnel face on a daily basis. High-quality filtration is extremely important to ensure a healthier working environment. You need a filter unit and extraction fan to support your welding fume extraction system for all of your welding applications.

#### EFFECTIVE FILTER UNITS

Euromate offers a variety of filter units – mobile, stationary and central filter units – for any air volume you need to cover. All units are developed to filter welding fumes and dust very effectively. The latest filter units are the **Self-cleaning Central Filters with an integration extraction Fan** (SCF-F 2 with 2 filter cartridges and SCF-F 4 with 4 filter cartridges).

The SCF-F series have been developed to meet the demand for plug & play filter units to support small and medium-sized extraction hoods and multiple arm systems with up to 7 extraction arms.

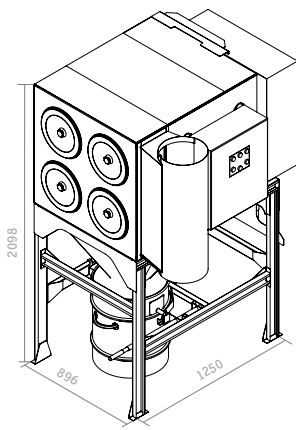


Cartridge modules inside the SCF-F 2

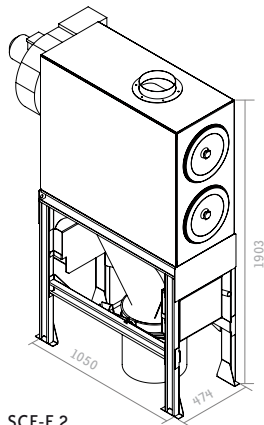
#### POWERFUL CLEANING METHODOLOGY

The main feature of the SCF-F is the outstanding cleaning technology of the filter cartridges. The pressure loss of the filters is measured continuously. Cleaning starts automatically, which makes the unit very user-friendly. The self-cleaning mechanism consists of a triangulated metal diffuser inside the filter cartridge. The diffuser is designed so that compressed air fills the inside of the filter rapidly. The entire outside filter surface is being cleaned to the same degree, clearing all of the fine particles and dust from every filter. The remains are collected in a 90 litre dustbin. This technology ensures that the filter stays efficient and has a longer lifespan.





SCF-F 4



SCF-F 2



## BENEFITS

- ▶ plug & play
- ▶ reliable and constant filter performance
- ▶ low operating costs
- ▶ efficient airflow control
- ▶ energy savings up to 40%<sup>1</sup>
- ▶ solid construction

### SCF-F 4 SAVES ENERGY

The SCF-F 4 has four filter cartridges and an integrated extraction fan. It features a programmable intelligent control with a frequency inverter as standard. The unit will adapt to specific needs and controls the air volume automatically. Reliable and constant filter performance is one of the main benefits. The frequency inverter has a very positive effect on the lifespan of the filter cartridges. In addition substantial energy savings up to 40%<sup>1</sup> can be achieved. Overall, the operating costs are extremely low thanks to its intelligent control.

The automatic capacity control system of the SCF-F 4 makes it possible to control extraction hoods from 1,600 to 3,750 m<sup>3</sup>/h or multiple arm systems (max. 3-4 arms in use simultaneously).

### SCF-F 2 FOR SINGLE USERS

This filter unit has two filter cartridges and has been developed for working areas with a low-resistance fume-capturing device. It is ideal for welding places where welders use one extraction arm or extraction hoods up to 1,600 m<sup>3</sup>/h. The plug & play feature makes it very convenient for smaller areas.

### INTERNATIONAL STANDARDS

The SCF-Fs have been developed in accordance with the latest international standards. The units meet the European, American and Canadian electrical standards and are available in 400V, 230/480V and 600V. The 50Hz and 60Hz versions make the units suitable for every country.

<sup>1</sup> Energy-saving up to 40% applies to the SCF-F 4. Please note that the actual energy-savings achieved may vary depending on your applications.



Cartridge modules



Integrated fan



Control box incl. frequency inverter



90 litre hopper design dustbin

## TECHNICAL SPECIFICATIONS

Specifications	SCF-F 2	SCF-F 4
Dimensions		
- Height	1903 mm	2098 mm
- Length incl. fan	1492 mm	1679 mm
- Length excl. fan	1050 mm	1074 mm
- Inlet diameter	Ø 200 mm	Ø 315 mm
- Outlet	200 x 322 mm	142 x 310 mm
- Width	474 mm	896 mm
Weight (net) incl. filter cartridges	210 kg	339 kg
Filter surface area	2 x 15 m <sup>2</sup>	4 x 15 m <sup>2</sup>
Filter class	M	M
Working range	1000-1600 m <sup>3</sup> /h (see <sup>2</sup> )	1600-3750 m <sup>3</sup> /h (see <sup>3</sup> )
Power consumption	1,1 kW	2,2 kW
Connection voltage Europe	230-400V/3 ~/ 50Hz	400V/3 ~/50Hz

<sup>2</sup> Applies to extraction hoods up to 3.5 m<sup>2</sup> depending on your welding applications.

<sup>3</sup> Applies to extraction hoods from 2.5 to 7 m<sup>2</sup>, depending on your welding applications.

## SERVICE & MAINTENANCE

Euromate is not just a manufacturer. We offer all kinds of services. Your distributor can assist with preparing technical drawings and choosing the right system for your facility. Installation, service and maintenance can be provided to keep your system functioning optimally.

## EUROMATE COMPLETES THE PACKAGE

In addition to central filter units, the industrial product range of Euromate consists of:

- Extraction arms
- Downdraft tables
- Mobile, portable and stationary filter units
- Modular extraction hoods
- General filtration systems, like the push-pull system
- Control boxes and fans

All developed to control welding fumes.



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## EUROMATE CONTROLS WELDING FUMES

For more than 30 years, Euromate has been specialising in indoor air cleaning. Industrial pollution and welding fumes are special areas of attention. Being experts in air cleaning, we know about the work, the discomforts and risks that welders face on a daily basis. As a result, we have devised solutions that meet all international guidelines. Innovative technology, practical knowledge and years of experience have resulted in a wide range of high-quality extraction and filtration products. Not only for the metal industry, but also for offices, public buildings and health-care.

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