



# ecoline

## Welding fumes Extraction- Systems

- Extremely quiet
- Favourable operating costs
- Low power consumption
- Efficient filter surfaces
- Low acquisition



Each welding process creates toxic fumes, liquid splashes, metal and fine dust particles. The hazards are depending on which welding process and which material is used.

The KLEPP welding fumes filters are ideal solutions for continuous and optimum extraction and filtering of the harmful substances. They collect large portions of the welding fumes directly. So the ambient air is not mixed with the contaminated air. This protects the user from pollutants in the breathing zone.

The contaminated air is acquired directly at the point of origin using practical capture elements and hoods. The harmful substances at first reach a steel baffle plate, before they are transferred to the filter system. An air scoop takes the pollutants into the filter chamber, where they are cleaned in the triple filter system.



The handling of KSF ecoline filter systems is very simple. An indicator light at the control panel shows whether the device works perfectly. An acoustic signal indicates for action and maintenance.



KSF2100W eco  
with suction arm 3.0 mtr.



KSF2100F eco  
with suction arm 3.0 mtr.

### Your benefits

- low acquisition
- simultaneous adsorption of fumes, gases and particles
- a steel baffle plate at the entrance distributes the airflow and prevents damage to the HEPA filter
- suitable for continuous operation
- low power consumption
- utilisation of the complete filter surface
- high filtering performance
- long filter service life
- individually replaceable filters
- quiet operation due to double soundproofing in the motor section
- system tested according to DIN VDE 0701/0702 and BGV A 3
- documented functional and completeness check

Both models can be equipped with an activated carbon filter for odors.

## The KSF ecoline - filter systems for welding fumes in detail

- Triple filtering:
  - Aluminium knitted filter
  - Prefilter mat F5, exchangeable
  - Suspended matter filter, (HEPA) filter class H13, exchangeable, with separation efficiency of 99.95 % according to EN1822-1
- Motor and filtering system with maintenance door
- Control panel with optical and acoustic control function
- Case made of sheet steel in modular construction with maintenance door powder-coated on both sides
- Motor section and air outlet are soundproofed

### Technical Data:

#### KSF2100F eco

mobile use in changing jobs

Air flow rate (unimpeded)	2100 m <sup>3</sup> /h
Air flow rate (real)	1500 m <sup>3</sup> /h
Total pressure difference	2880 Pa
Motor	2,2 kW
Voltage	400 V
Rated current	4,8 A
Rated Speed	2800 U/min
Frequency	50 Hz
Protection class	IP55
Filtering	triple (as above)
Dimensions W x D x H (mm)	660 x 760 x 1325

#### KSF2100W eco

wall-mounted for permanent jobs locally

Air flow rate (unimpeded)	2100 m <sup>3</sup> /h
Air flow rate (real)	1500 m <sup>3</sup> /h
Total pressure difference	2880 Pa
Motor	2,2 kW
Voltage	400 V
Rated current	4,8 A
Rated Speed	2800 U/min
Frequency	50 Hz
Protection class	IP55
Filtering	triple (as above)
Dimensions W x D x H (mm)	660 x 760 x 650 without fan 660 x 760 x 1110 with fan



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