

# MaxiFil

 Regular use

 High filter capacity



## Applications

- Suitable for all materials, including high-alloy steel
- Medium levels of smoke and dust
- Regular use

## Properties

- Rotating exhaust hood

## Benefits

- Increased safety due to filter monitoring
- Increased safety with safe filter change
- Very economic due to long lasting high capacity filters

## Accessories

- Automatic start/stop
- Workplace lighting incl. on/off switch at the hood



## Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	42 m <sup>2</sup>
Type of filter	Safe Change Filter
Filter material	Non-woven polyester
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Pre-filter (aluminium)
Basic data	
Extraction capacity	1100 m <sup>3</sup> /h
Dimensions (w x h x t)	803 x 892 x 1109 mm
Weight	129 kg
Motor power	1.5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	3.1 A
Control voltage	24 V, DC
Noise level	70 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

## Order Data

Art. No.	Description
65 650 100	2 m Arm, flexible exhaust arm
65 650 101	3 m Arm, flexible exhaust arm
65 650 102	4 m Arm, flexible exhaust arm
65 650 103	2 m Arm, rigid metal tube arm
65 650 104	3 m Arm, rigid metal tube arm
65 650 105	4 m Arm, rigid metal tube arm

## Replacement Parts and Accessories

Art. No.	Description
109 0517	Replacement filter 42 m <sup>2</sup>
109 0472	Pre-filter mats (10 per set)
94 102 702	Automatic Start/Stop module with 5m connection cable
79 103 00	Exhaust hood
79 103 040	LED Lightning kit (basic equipment)
79 103 045	LED Lightning kit (retrofit)
79 103 02	Swivel joint for mobile units
127 0091	Protection mesh for exhaust hood
106 0290	Rubber rings set of 10



# In continuous use against welding fumes: clean workplaces thanks to MaxiFil

In the past, a blanket of welding fumes regularly formed in the production area. Nobels B.V. in the Netherlands has always attached great importance to occupational safety. But with an overall view of the indoor air quality, the inventor of the first devices for the mechanical harvesting and planting of flower bulbs thought ahead in terms of protective welding equipment. This was driven by the increase in employee productivity at the headquarters in Noordwijkerhout. The fact that the Netherlands has one of the strictest occupational exposure limits in the world has accelerated efforts to achieve even more.

## **42 m<sup>2</sup>: Largest filter surface in the equipment class**

Together with KEMPER, Nobels B.V. developed a customised air pollution control concept. The collection of hazardous substances directly at the point of origin had top priority. To begin with, KEMPER centralised the eight previously distributed welding workstations in the middle of the hall and created a welding workshop with several separate units in the open production architecture. To prevent the welding fumes from spreading in the hall air, the extraction technology specialist equipped each of them with its own device for source extraction.

The eight **MaxiFil extraction units** combine a maximum level of protection with easy handling for the welder. With the largest **filter surface of 42 square metres** available on the market in this equipment class, it is ideal for industrial applications. The Nobels welders extract hazardous substances directly at the point of origin with the **extraction hood that can be rotated through 360 degrees**. So that the welders were able to track the extraction to all areas of the respective individual workstation, KEMPER designed the flexible, easily manageable and self-supporting extraction arms with the appropriate length.

The integrated **LED lights** provide the welders with a better view of the welding seam and the workpiece. Because the extraction units are mobile, welders can quickly reposition them **with just one hand**. Thanks to its **W3 certification**, Nobels also uses it to detect carcinogenic hazardous substances when welding high-alloy steel. Replacement of the storage filter is contamination-free due to the clever design.



**"The problem of the welding fumes blanket is solved. Our employees are now very satisfied with the good air quality."**

Ramon Kocken

Production manager bei Nobels B.V



#### **CleanAirTower SF filter towers supporting source extraction**

The open workshop layout raised questions about the protection of all employees, however. That is why KEMPER installed four CleanAirTower SFs simply via Plug & Play. In addition to local exhaust ventilation, the stand-alone general ventilation systems clean the hall air according to the recommended principle of layer ventilation. Like the MaxiFil devices, they also have storage filters.



KEMPER

42<sup>m³</sup>



www.kemper.de

Diameter:  
180 mm  
and larger  
hood

# The new extraction hood

Available soon!

## Higher volume flow and capture rate during welding

Extract welding fumes even more effectively with the new, significantly larger extraction hood from KEMPER. The enlargement of the extraction hood as well as the extraction arm cross-section provides for a particularly high volume flow and thus also for a significantly higher degree of capture during welding. Thanks to the ergonomic shape, handling - even with protective gloves - is very easy. The robust and illuminated pressure switches also provide even more comfort in use.

## Ultra-bright, energy-saving LED strip

For complete illumination of the welding area, the new extraction hood is equipped with an ultra-bright, energy-saving LED strip, which is attached to the hood above the extraction area.



# MaxiFil

## High filter capacity with safe filter change



### XXL Filter, 42 m<sup>2</sup>

Very economic due to long lasting high capacity filter.



### Safe and easy filter change SCF

No contact with hazardous fine dust due to dust-free filter change.



### 360° Radius

Maximum flexibility of exhaust arm for use without any restrictions.



### Comfortable operation

Comfortable adjustment of self-supporting exhaust arm into every desired position with only one hand.



### 40% better capture rate

Less re-positioning work of exhaust arm due to larger capture area of the flanged hood.



### LED work light (optional)

Allows a good view onto the workpiece which leads to a better performance and supports the operator to re-position the hood.



### Start-Stop automatic (optional)

The link to the welding machine is saving time and energy

