

# MaxiFil Clean

 **Non-stop operation**

 **Contamination free dust disposal**



## Applications

- Suitable for all materials, including high-alloy steel
- High levels of smoke and particles
- Non-stop operation

## Properties

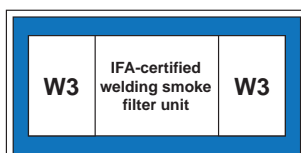
- Automatic filter cleaning
- Exhaust arm up to 4 m
- Cleanable filter
- Automatic dust removal - contamination-free
- Rotating exhaust hood
- Spark separator

## Benefits

- Safe operation by rotation field control
- Exhaust arm requires less adjustment due to flow-optimised exhaust hood design
- Increased safety due to filter monitoring
- Increased safety by means of automatic dust removal in cartridges, contamination-free
- 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           | Cleanable filter       |
| Filter cleaning method  | Rotating nozzle        |
| Filter surface          | 15 m <sup>2</sup>      |
| Type of filter          | Filter cartridge       |
| Filter material         | ePTFE membrane         |
| Filter efficiency       | > 99.9 %               |
| Dust classification     | M                      |
| Additional filters      | Cyclone pre-filter     |
| Basic data              |                        |
| Extraction capacity     | 1100 m <sup>3</sup> /h |
| Dimensions (w x h x t)  | 810 x 940 x 1350 mm    |
| Weight                  | 206 kg                 |
| Motor power             | 1.5 kW                 |
| Power supply            | 3 x 400 V / 50 Hz      |
| Rated current           | 3.2 A                  |
| Control voltage         | 24 V, DC               |
| Noise level             | 72 dB(A)               |
| Additional information  |                        |
| Fan type                | Radial fan             |
| Compressed air supply   | 5 - 6 bar              |
| Diameter extraction arm | 150 mm                 |

## Order Data

| Art. No.          | Description                   |
|-------------------|-------------------------------|
| <b>67 150 100</b> | 2 m Arm, flexible exhaust arm |
| <b>67 150 101</b> | 3 m Arm, flexible exhaust arm |
| <b>67 150 102</b> | 4 m Arm, flexible exhaust arm |
| <b>67 150 103</b> | 2 m Arm, rigid metal tube arm |
| <b>67 150 104</b> | 3 m Arm, rigid metal tube arm |
| <b>67 150 105</b> | 4 m Arm, rigid metal tube arm |

## Replacement Parts and Accessories

| Art. No.          | Description  |
|-------------------|--|
| <b>109 0469</b>   | KemTex® ePTFE membrane cartridge filter<br>15 m <sup>2</sup> |
| <b>119 0688</b>   | Dust collection cartridge (Set of 4)                         |
| <b>94 102 702</b> | Automatic Start/Stop module with 5m<br>connection cable      |
| <b>79 103 00</b>  | Exhaust hood   |
| <b>79 103 040</b> | LED Lightning kit (basic equipment)                          |
| <b>79 103 045</b> | LED Lightning kit (retrofit)                                 |
| <b>79 103 02</b>  | Swivel joint for mobile units                                |
| <b>127 0091</b>   | Protection mesh for exhaust hood                             |
| <b>106 0290</b>   | Rubber rings set of 10                                       |





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# MaxiFil Clean – the all-rounder for professional welders



Creating the technical prerequisites for outstanding quality of baked goods is a high priority for König Maschinen GmbH, headquartered in Austria, in addition to the health of its employees. The leading manufacturer of small pastry machines was looking for an effective air pollution control solution to optimise occupational health and safety at its production site in Hungary. This provides welders with optimum protection along the entire hazardous substance chain and also maintains the flexibility of employees in the workplace.

Due to the high intensity of hazardous substances that occur when processing the components, the manufacturer decided on the mobile MaxiFil Clean extraction units from KEMPER. A total of 29 systems were purchased and indicates the industrial scale of welding at König in Hungary.

## Effective along the entire hazardous substance chain

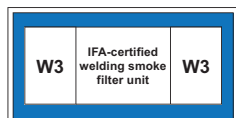
MaxiFil Clean provides König with an extraction system that covers the entire pollutant cycle – from collection by optimised collection elements and the separation of hazardous substances through high-quality filter media up to the disposal of hazardous substances. The welders at König can move the mobile MaxiFil Clean, which keeps them flexible and lets them work at changing workplaces.

The **automatic filter cleaning system** makes MaxiFil Clean the ideal extraction unit for König's needs: Not only does the integrated filter cartridge separate more than 99.97 percent of fine dust over an area of 15 square metres, it is also self-cleaning during operation.

After filtering, the device automatically conveys the dust particles into an easy-to-close, disposable cartridge. In contrast to conventional solutions, users do not come into contact with the pollutant-containing particles during dust removal – and disposal is **completely free of contamination**. Now, shortly after purchase, König is already able to see a positive result: The 29 MaxiFil Clean systems ensure high indoor air quality and protect the employees from any carcinogenic hazardous substances during welding.

# MaxiFil Clean

Contamination free dust disposal with automatic filter cleaning



### Non-stop operation

Suitable for high levels of smoke and dust due to automatic filter cleaning.



### Less energy costs

Low compressed air usage due to differential pressure controlled filter cleaning as and when needed.



### Centrifugal pre-separator

Longer filter life due to efficient pre-separation of sparks and coarse particles.



### Start-Stop automatic (optional)

The link to the welding machine is saving time and energy.



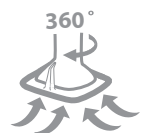
### Comfortable operation

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.



### Contamination free dust disposal

No contact with hazardous fine dust due to dust-free dust removal into collection cartridge.

