



# New Products 2013

Extraction Technology and Personal Protective Equipment

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**KEMPER®**

» Always a  
step ahead!



Dear customers and KEMPER partners,

In 1977, KEMPER was founded to make the metalworking environment safer, cleaner and more efficient. Since then, thanks to its pioneering spirit and wealth of innovative solutions, KEMPER has built a reputation as a reliable and application-oriented manufacturer for its distribution partners. This approach has proved a success for more than 35 years and has resulted in the repeated creation of new, groundbreaking products and services. Our new products presented in this brochure also came about thanks to this guiding principle.

And the new corporate design sends a visual signal:  
KEMPER is taking you into a new stage of its history!

Enjoy reading!

Björn Kemper

Gerd Kemper

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# SmartMaster

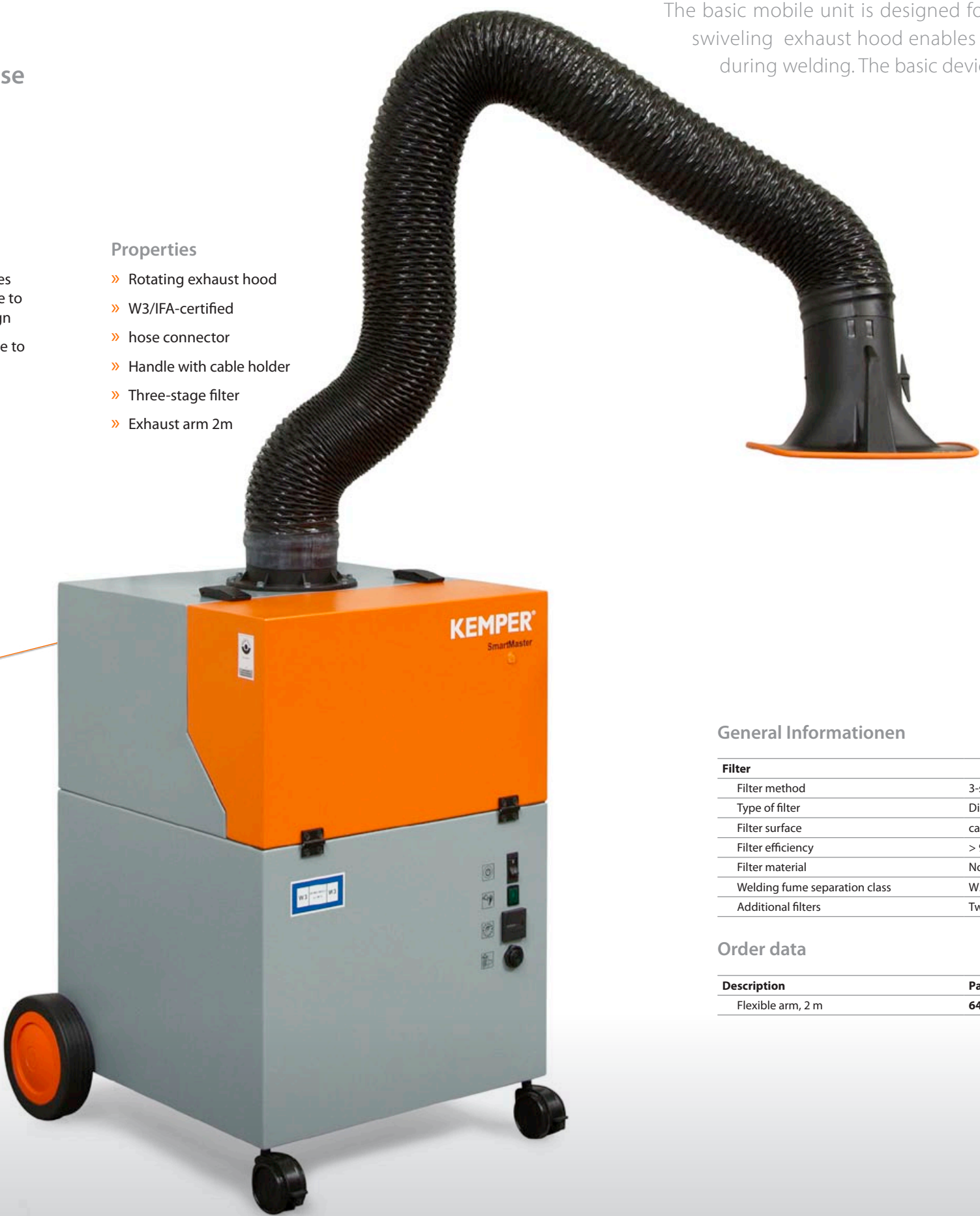
Compact basic unit for occasional use

- Applications
- » Also suitable for high alloy steel
  - » Low amounts of smoke/dust
  - » Occasional use

- Benefits
- » Exhaust arm requires less adjustment due to exhaust hood design
  - » Increased safety due to filter monitoring
  - » Flexible use with hose connection

- Properties
- » Rotating exhaust hood
  - » W3/IFA-certified
  - » hose connector
  - » Handle with cable holder
  - » Three-stage filter
  - » Exhaust arm 2m

Hose connection



The basic mobile unit is designed for occasional use with low amounts of dust. The rotating and swiveling exhaust hood enables use in a 360-degree radius and ensures only few adjustments during welding. The basic device is suitable for welding high alloy steel due to its W3 approval.

- Accessories
- » Suction hose with extraction nozzle
- Models
- » Other voltages

General Informationen

Filter	
Filter method	3-stage
Type of filter	Disposable filter
Filter surface	ca. 12 m²
Filter efficiency	> 99%
Filter material	Non-woven fibre
Welding fume separation class	W3
Additional filters	Two pre-filters

Order data

Description	Part.No.
Flexible arm, 2 m	64 300

Technical Data

Basic data	
Dimensions (w x d x h)	705 x 655 x 900 mm
Weight w/o arm	ca. 71 kg
Diameter extraction arm	150 mm
Motor power	1.1 kW
Power supply	1 x 230 V / 50 Hz
Rated current	6.7 A
Noise level	ca. 72 dB(A)
Extraction capacity at hood	max. 950 m³/h
Maximum vacuum	1.500 Pa
Additional informationen	
IFA-W3 Certification	Approved

# ProfiMaster

Robust quality with large filter

- Applications
- » Also suitable for high alloy steel
  - » Low to medium amounts of smoke/dust
  - » Occasional to frequent use

- Benefits
- » Maintenance door allows easy filter change
  - » Safe operation by rotation field control
  - » Exhaust arm requires less adjustment due to exhaust hood design
  - » Increased safety with filter monitoring

- Properties
- » Rotating exhaust hood
  - » Two-stage filter
  - » Automatic Start/Stop (optional)
  - » Exhaust arm 4 m



ProfiMaster is a robust filter unit for occasional to frequent use with low to medium amounts of dust. The high capacity disposable filter can easily be changed. The rotating and swiveling exhaust hood enables use in a 360-degree radius and ensures only few adjustments during welding.

- Accessories
- » Automatic Start/Stop
- Models
- » Other voltages
  - » Various arm lengths and versions

## General Informationen

Filter	
Filter method	2-stage
Type of filter	Disposable filter
Filter surface	ca. 17 m²
Filter efficiency	> 99%
Filter material	Non-woven fibre
Welding fume separation class	W3
Additional filters	Pre-filter

## Order data

Description	Part.No.
Flexible arm, 2 m	60 650 100
Flexible arm, 3 m	60 650 101
Flexible arm, 4 m	60 650 102
Rigid metal tube arm, 2 m	60 650 103
Rigid metal tube arm, 3 m	60 650 104
Rigid metal tube arm, 4 m	60 650 105

## Technical Data

Basic data	
Dimensions (w x d x h)	785 x 730 x 950 mm
Weight ohne Arm	ca. 106 kg
Diameter extraction arm	150 mm
Motor power	1.1 kW
Power supply	3 x 400 V / 50 Hz
Control voltage	24 V, DC
Rated current	2.3 A
Noise level	ca. 70 dB(A)
Extraction capacity at hood	max. 1.100 m³/h
Maximum vacuum	2.100 Pa
Additional informationen	
IFA-W3 Certification (08/13)	Under examination

# MaxiFil

High capacity filter and safe filter change

Applications

- » Also suitable for high alloy steel
- » Moderate amounts of smoke/dust
- » Regular use

Benefits

- » Increased safety with contamination-free filter change
- » Safe operation by rotation field control
- » Very economic due to long lasting high capacity filters
- » Exhaust arm requires less adjustment due to exhaust hood design
- » Increased safety with filter monitoring

Properties

- » Rotating exhaust hood
- » Three-stage filter
- » Contamination-free
- » Safe Change Filter
- » Automatic Start-Stop (optional)
- » Lighting in the hood (optional)
- » Exhaust arm up to 4 m



MaxiFil units combine large filter capacities with contamination-free filter change. With their high mobility and an operating radius of 360 degrees, they are ideal for regular use. The comfortable filter unit easily handles applications with medium amounts of smoke and dust.

Accessories

- » Automatic Start-Stop
- » Lighting-Kit
- » On/Off at the exhaust hood

Models

- » Other voltages
- » Various arm lengths and versions

General Informationen

Filter	
Filter method	2-stage
Type of filter	Disposable filter
Filter surface	ca. 20 m²
Filter efficiency	> 99%
Filter material	Non-woven polyester
Welding fume separation class	W3
Additional filters	Pre-filter (aluminum)

Order data

Description	Part.No.
Flexible arm, 2 m	65 650 100
Flexible arm, 3 m	65 650 101
Flexible arm, 4 m	65 650 102
Rigid metal tube arm, 2 m	65 650 103
Rigid metal tube arm, 3 m	65 650 104
Rigid metal tube arm, 4 m	65 650 105

Technical Data

Basic data	
Dimensions (w x d x h)	790 x 815 x 1.080 mm
Weight w/o arm	ca. 120 kg
Diameter extraction arm	150 mm
Motor power	1.1 kW
Power supply	3 x 400 V / 50 Hz
Control voltage	24 V, DC
Rated current	2.3 A
Noise level	ca. 70 dB(A)
Extraction capacity at hood	max. 1.100 m³/h
Maximum vacuum	2.100 Pa
Additional informationen	
IFA-W3 Certification (08/13)	Certification submitted



# MaxiFil Clean

Self-cleaning filter with contamination-free dust disposal

Applications

- » Also suitable for high alloy steel
- » Large amounts of smoke/dust
- » Continuous use

Benefits

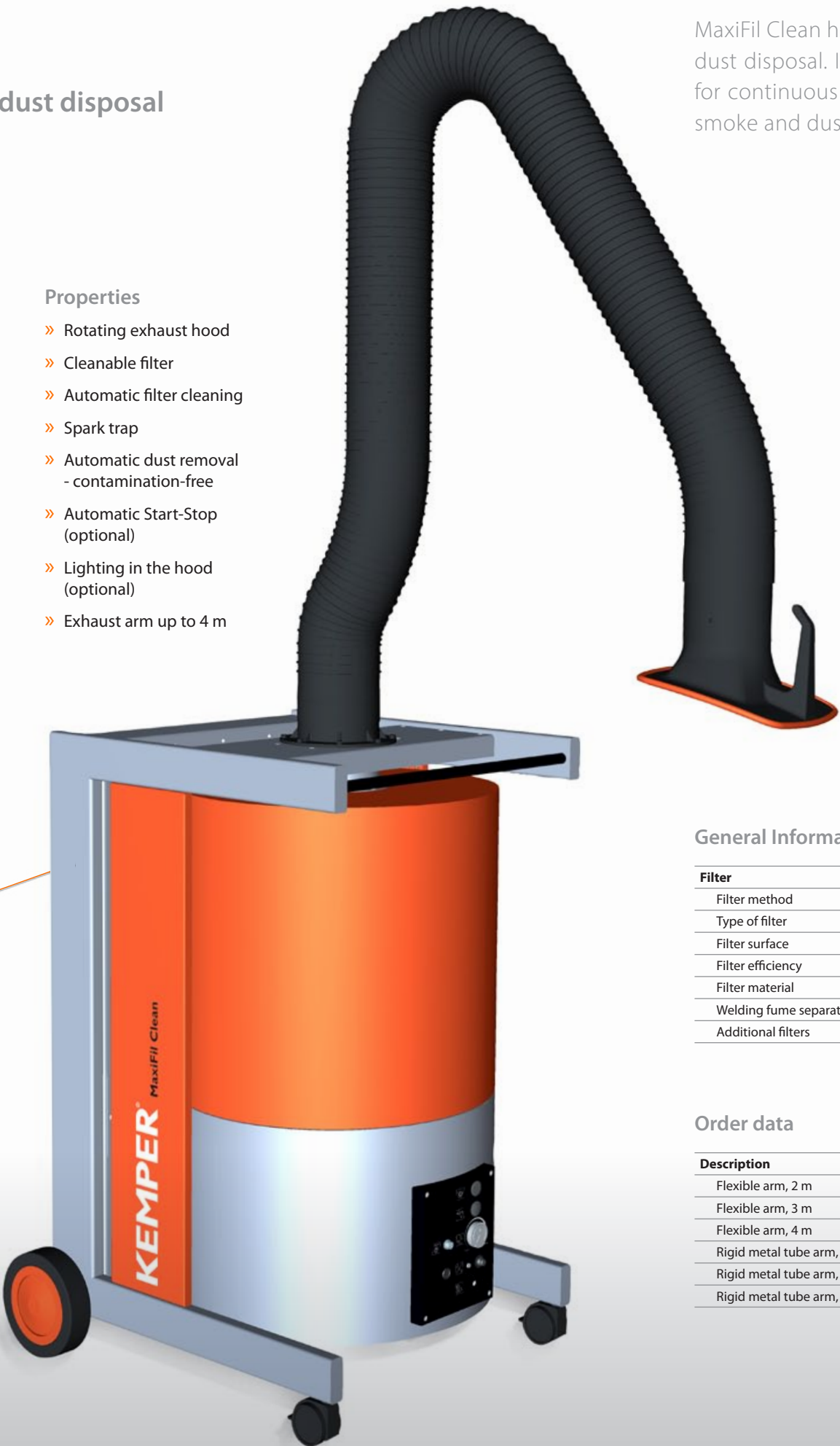
- » Increased safety by means of automatic dust removal in cartridges, contamination-free
- » Very economic due to automatic filter cleaning
- » Exhaust arm requires less adjustment due to exhaust hood design
- » Increased safety with filter monitoring

Properties

- » Rotating exhaust hood
- » Cleanable filter
- » Automatic filter cleaning
- » Spark trap
- » Automatic dust removal - contamination-free
- » Automatic Start-Stop (optional)
- » Lighting in the hood (optional)
- » Exhaust arm up to 4 m

Contamination-free dust removal

Increased safety with automatic dust removal in cartridges, contamination-free



MaxiFil Clean has a self-cleaning filter in combination with an automatic, contamination-free dust disposal. Its high mobility and a 360-degree operating radius make it the ideal device for continuous use. The simple filter unit easily handles applications with large amounts of smoke and dust.

Accessories

- » Automatic Start-Stop
- » Lighting-Kit
- » On/Off at the exhaust hood

Models

- » Other voltages
- » Various arm lengths and models

General Informationen

Filter	
Filter method	2-stage
Type of filter	Cleanable filter
Filter surface	ca. 18 m²
Filter efficiency	> 99.97%
Filter material	PTFE-membrane
Welding fume separation class	W3
Additional filters	Cyclone pre-filter

Order data

Description	Part.No.
Flexible arm, 2 m	67 150 100
Flexible arm, 3 m	67 150 101
Flexible arm, 4 m	67 150 102
Rigid metal tube arm, 2 m	67 150 103
Rigid metal tube arm, 3 m	67 150 104
Rigid metal tube arm, 4 m	67 150 105

Technical Data

Basic data	
Dimensions (w x d x h)	790 x 885 x 1.180 mm
Weight w/o arm	ca. 135 kg
Diameter extraction arm	150 mm
Motor power	1.5 kW
Power supply	3 x 400 V / 50 Hz
Control voltage	24 V, DC
Rated current	3.75 A
Noise level	ca. 70 dB(A)
Compressed air supply	6-8 bar
Extraction capacity at hood	max. 1.100 m³/h
Maximum vacuum	2.800 Pa
Additional informationen	
IFA-W3 Certification (08/13)	Certification submitted

# MiniFil

## High-vacuum filter unit with safe filter change

### Applications

- » Also suitable for high alloy steel
- » On torch extraction
- » Moderate amounts of smoke/dust

### Benefits

- » Increased safety with contamination-free filter change
- » Ideal for changing workplaces due to its low weight and optional trolley
- » Energy-saving operation due to integrated start/stop function
- » Optimal adjustment to the welding process with stepless speed control

### Properties

- » Three-stage filter
- » Safe Change Filter
- » Spark trap
- » Start/Stop function
- » Stepless speed control
- » Filter monitoring



### Trolley

Ideal for changing workplaces due to its low weight and optional trolley



The compact MiniFil high-vacuum extraction unit for medium amounts of smoke and dust ensures high mobility for frequently changing workplaces with on torch extraction or extraction nozzles. The integrated automatic start/stop and the contamination-free filter change make the MiniFil especially simple and safe to use.

### Automatic Start/Stop

Energy-saving operation due to integrated start/stop function



### Accessories

- » Trolley
- » Various extraction nozzles
- » Various hose lengths

### Models

- » Other voltages

### General Informationen

Filter	
Filter method	3-stage
Type of filter	Disposable filter
Filter surface	ca. 4.8 m <sup>2</sup>
Filter efficiency	> 99%
Filter material	Non-woven polyester
Welding fume separation class	W3
Additional filters	Pre-filter (aluminum)
	Cyclone pre-filter

### Order data

Description	Part.No.
MiniFil, Hose connection 50 mm	64 150

### Technical Data

Basic data	
Dimensions (w x d x h)	425 x 365 x 790 mm
Weight	ca. 25 kg
Hose connection	45 mm
Motor power	2 x 1.0 kW
Power supply	1 x 230 V / 50 Hz
Control voltage	24 V, DC
Rated current	10 A
Noise level	ca. 72 dB(A)
Extraction capacity	max. 150 m <sup>3</sup> /h
Maximum vacuum	21.000 Pa
Additional informationen	
IFA-W3 Certification (08/13)	Certification submitted



Overview Mobile Units



General Informationen

Filter					
Filter method	3-stage	2-stage	2-stage	2-stage	3-stage
Type of filter	Disposable filter	Disposable filter	Disposable filter	Cleanable filter	Disposable filter
Filter surface	ca. 12 m²	ca. 17 m²	ca. 20 m²	ca. 18 m²	ca. 4.8 m²
Filter efficiency	> 99%	> 99%	> 99%	> 99.97%	> 99%
Filter material	Non-woven fibre	Non-woven fibre	Non-woven polyester	PTFE-membrane	Non-woven polyester
Welding fume separation class	W3	W3	W3	W3	W3
Additional filters	Two pre-filters	Pre-filter	Pre-filter (aluminum)	Cyclone pre-filter	Pre-filter (aluminum) Cyclone pre-filter

Technical Data

Basic data					
Dimensions (w x d x h)	705 x 655 x 900 mm	785 x 730 x 950 mm	790 x 815 x 1.080 mm	790 x 885 x 1.180 mm	425 x 365 x 790 mm
Weight w/o arm	ca. 71 kg	ca. 106 kg	ca. 120 kg	ca. 135 kg	ca. 25 kg
Diameter extraction arm	150 mm	150 mm	150 mm	150 mm	-
Diameter hose connection	150 mm	-	-	-	45 mm
Motor power	1.1 kW	1.1 kW	1.1 kW	1.5 kW	2 x 1.1 kW
Power supply	1 x 230 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	1 x 230 V / 50 Hz
Control voltage	-	24 V, DC	24 V, DC	24 V, DC	24 V, DC
Rated current	6.7 A	2.3 A	2.3 A	4.8 A	10 A
Noise level	ca. 72 dB(A)	ca. 70 dB(A)	ca. 70 dB(A)	ca. 72 dB(A)	ca. 72 dB(A)
Compressed air supply	-	-	-	6-8 bar	-
Extraction capacity	max. 950 m³/h	max. 1.100 m³/h	max. 1.100 m³/h	max. 1.100 m³/h	max. 150 m³/h
Maximum vacuum	1.500 Pa	2.100 Pa	2.100 Pa	2.800 Pa	21.000 Pa
Additional informationen					
IFA-W3 Certification (08/13)	Approved	Under examination	Certification submitted	Certification submitted	Certification submitted

Order data

Description	Part.No.	Part.No.	Part.No.	Part.No.	Part.No.
MiniFil, Hose connection 45 mm	-	-	-	-	64 150
Flexible arm, 2 m	64 300	60 650 100	65 650 100	67 150 100	-
Flexible arm, 3 m	-	60 650 101	65 650 101	67 150 101	-
Flexible arm, 4 m	-	60 650 102	65 650 102	67 150 102	-
Rigid metal tube arm, 2 m	-	60 650 103	65 650 103	67 150 103	-
Rigid metal tube arm, 3 m	-	60 650 104	65 650 104	67 150 104	-
Rigid metal tube arm, 4 m	-	60 650 105	65 650 105	67 150 105	-



» Reliably protected  
with extraction technology  
and personal protective equipment  
by KEMPER



# CleanAirTower

Energy-saving indoor ventilation system

Applications

- » Workshops where local exhaust ventilation is not possible
- » As a supplement to local exhaust ventilation
- » Environments with changing sources of smoke and dust
- » Production and logistic areas

Properties

- » Displacement flow principle, recommended by health and safety bodies
- » Slow, low-impulse air circulation
- » System barely generates air turbulence
- » Automatic filter cleaning
- » Contamination-free dust disposal in cartridges
- » Crane eyes

360° Low-impulse air circulation

No dust distribution into clean areas, as barely any air turbulence is created

Bumper

The tower is equipped with specific impact protection



The CleanAirTower is used wherever local extraction does not work or is insufficient. It effectively protects employees and machines from fine dust. The purified air is recirculated. The device hardly creates any air turbulence, ensuring that no dust is distributed into clean areas. The CleanAirTower functions according to the displacement ventilation principle recommended by health and safety bodies.

Benefits

- » No dust distribution into clean areas, as barely any air turbulence is created
- » Minimization of heating costs due to air recirculation and air distribution
- » Increased safety with contamination-free dust disposal
- » Cost-effective installation or retrofit, as no ductwork is needed
- » Permanent operation by means of automatic dust disposal in cartridges
- » Safe transportation and easy installation by crane eyes

Models

- » Various air-flows
- » Available with disposable filter

General Informationen

Filter	
Filter method	2-stage
Type of filter	Cleanable filters
Filter surface	ca. 62 m²
Filter efficiency	> 99.97%
Filter material	PTFE-membrane
Welding fume separation class	W3
Additional filters	Cyclone pre-filter

Technical Data

Basic data	
Dimensions (Diameter x H)	1.170 mm x 3.550 mm
Weight	ca. 735 kg
Air flow rate (max.)	6.000 m³/h
Motor power	4.0 kW
Power supply	3 x 400 V / 50 Hz
Control voltage	24 V, DC
Rated current	7.8 A
Noise level	ca. 68 dB(A)
Compressed air supply	6-8 bar
Additional informationen	
IFA-W3 Certification (08/13)	Certification submitted

# PlasmaFil Compact/WeldFil Compact

System with long life filters and flexible installation options

Applications

- » Plasma and oxy-fuel cutting systems
- » Manual and automatic welding
- » Robotic welding
- » Medium to high amounts of smoke and dust
- » Outdoor installation possible

Properties

- » Plate filter technology
- » Down flow filtration
- » Automatic filter cleaning
- » Touchscreen-control
- » Forklift pockets and crane eyes

Benefits

- » Low service costs due to durable plate filter technology
- » Optimal cleaning performance due to down-flow principle
- » Little floor space required due to compact design
- » Suitable for spaces with low ceiling - fan unit can be separated
- » Touchscreen allows safe and easy operation
- » Easy transportation and installation by forklift pockets and crane eyes
- » Predictable costs with lifetime filter warranty (service contract)



The PlasmaFil Compact/WeldFil Compact is especially suitable for constructing central extraction systems or the connection to cutting systems. It is flexible and can be installed in many different locations. The system is fitted with the exceptionally durable plate filter technology and an automatic cleaning system. Dust is removed using convenient dust collection containers.

Accessories

- » Automatic dust removal - DustEvac
- » SparkTrap
- » Start/Stop function

Models

- » Various extraction capacities
- » Other voltages

General Informationen

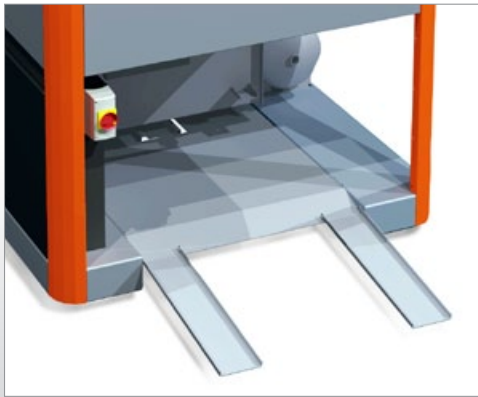
Filter	
Filter method	1-stage
Filterform	Plate filter
Type of filter	Cleanable
Cleanable filters method	Jet-pulse
Filter efficiency	> 99.97%
Filter material	PTFE-membrane
Welding fume separation class	W3

Technical Data

Basic data	
Power supply	3 x 400 V / 50 Hz
Control voltage	24 V / DC
Noise level	< 72 dB(A)
Compressed air supply	5 - 6 bar
Additional informationen	
IFA-W3 Certification (08/13)	Projected

Technical specifications vary according to different models

Ramp for dust collection container





# PlasmaFil/WeldFil

Very safe and user-friendly filter unit with maximum filter lifetime

Applications

- » Plasma and oxy-fuel cutting systems
- » Manual and automatic welding
- » Robotic welding
- » High amounts of smoke/dust

Benefits

- » Low service costs due to exceptionally durable plate filter technology
- » Optimal cleaning performance due to down-flow principle
- » Effective protection against filter fires by SparkTrap
- » Highest possible health and safety protection with contamination-free dust removal
- » Increased productivity thanks to uninterrupted operation
- » Fast, easy dust disposal in BigBags
- » Predictable running costs with lifetime filter warranty (service contract)

Properties

- » Plate filter technology
- » Down flow filtration
- » Automatic filter cleaning
- » Contamination-free operation
- » Including SparkTrap
- » Continuous dust removal with DustEvac
- » Touchscreen control for all components
- » Low noise level

The comfortable and particularly safe high-end solution for demanding applications with high dust loads. Including automatic and contamination-free dust removal, resulting in the highest possible health and safety protection. In addition, PlasmaFil combines the safe separation of sparks with durable plate filter technology, which drastically reduces the running costs.

SparkTrap

Sparks, coarse particles and even cigarette butts are reliably separated before reaching the filter system. The fire hazard is reduced to a minimum and the filter service life is significantly increased.

Automatic dust removal - DustEvac

By means of a vacuum conveyor, DustEvac permanently removes the dust from the filter system into a BigBag. This process is completely contamination-free and the collected dust can safely be transported by forklift.





Overview PlasmaFil/WeldFil



General Informationen

Filter	
Filter method	2-stage
Filterform	Plate filter
Type of filter	Cleanable
Cleanable filters method	Jet-pulse
Filter efficiency	> 99.97%
Filter material	PTFE-membrane
Welding fume separation class	W3

Technical Data

Basic data	
Power supply	3 x 400 V / 50 Hz
Control voltage	24 V / DC
Noise level	< 72 dB(A)
Compressed air supply	6-8 bar
Additional informationen	
IFA-W3 Certification (08/13)	Projected

Models / Part.No.	33 0400	33 0550	33 0750	33 0900	33 1110
Air flow rate (max.)	6.000 m³/h	9.800 m³/h	10.700 m³/h	15.500 m³/h	16.700 m³/h
Static pressure (max.)	3.700 Pa	3.800 Pa	4.500 Pa	3.500 Pa	4.300 Pa
Motor power	7.5 KW	7.5 KW	11.0 KW	11.0 KW	15.0 KW
Rated current	13.9 A	13.9 A	19.9 A	20.5 A	26.5 A
Filter surface	70 m²	100 m²	140 m²	170 m²	200 m²

Fan compartment					
Weight	530 kg	550 kg	625 kg	675 kg	700 kg
Dimensions (w x d x h)	1.450 x 1.450 x 2.150 mm	1.450 x 1.450 x 2.150 mm	1.450 x 1.450 x 2.150 mm	1.450 x 1.800 x 2.150 mm	1.450 x 1.800 x 2.150 mm

Filter compartment					
No. of filters	1	1	2	2	2
Weight I	750 kg	1.000 kg	750 kg	1.000 kg	1.000 kg
Dimensions I (B x T x H)	1.630 x 1.800 x 2.150 mm	2.080 x 1.800 x 2.150 mm	1.630 x 1.800 x 2.150 mm	2.080 x 1.800 x 2.150 mm	2.080 x 1.800 x 2.150 mm
Weight II	-	-	750 kg	750 kg	1.000 kg
Dimensions II (B x T x H)	-	-	1.630 x 1.800 x 2.150 mm	1.630 x 1.800 x 2.150 mm	2.080 x 1.800 x 2.150 mm

KEMPER®  
PlasmaFil



»Quality  
that's worthwhile

Manfred Könnig, Technical Director at KEMPER:

„PlasmaFil delivers maximum safety and comfort for users and businesses. The especially durable plate filter technology combined with the spark-separating SparkTrap leads to a drastic reduction of operating costs contrary to commonly used replacement filters.“



# SparkTrap

## SparkTrap minimizes fire hazards and extends filter life significantly

SparkTrap reliably prevents sparks, coarse particles and even cigarette butts from entering the filter system - with nearly 100 percent efficiency. By attaching this pre-separator, filter life is also increased by up to 300 percent. The optional spark detection increases safety by allowing the filter unit to be switched off automatically when a limit value has been exceeded.



### Applications

- » Integrated into duct work before extraction and filter units
- » During welding, grinding or cutting processes
- » Presence of sparks
- » Applications with an increased fire hazard

### Benefits

- » Minimization of fire hazards by pre-separating sparks and glowing particles
- » Drastic reduction of running costs due to longer filter life
- » Savings resulting from less compressed air consumption and lower energy costs
- » Easy integration also into existing systems of any type or brand

### Properties

- » Swirl nozzle with annular gap spark trap
- » Separation of sparks, glowing particles and cigarette butts
- » Dust collection container and gate valve in the downpipe
- » Can be combined with a spark extinguishing system
- » Sensors for spark detection (optional)
- » Can be connected to the dust removal system DustEvac (optional)

#### Accessories

- » Wall mounting set
- » Support set

#### Models

- » Various diameters and air flow rates depending on the duct work / application
- » Spark detection system - SparkTrap Detect

# DustEvac

## Automatic dust removal for filtration systems - contamination-free

The dust removal system DustEvac enables continuous operation of filter systems without downtime for cleaning or dust removal. By means of a vacuum conveyor, DustEvac permanently removes the dust from the filter system into a BigBag. This process is completely contamination-free and the collected dust can safely be transported by forklift.

### Applications

- » For all types and brands of extraction and filtration systems
- » For dust collected during cutting, welding and grinding processes
- » Medium to high amounts of dust

### Benefits

- » Productivity increase thanks to uninterrupted operation of the filter system and large capacity
- » Highest possible health and safety protection with contamination-free dust disposal
- » Fast and easy dust disposal in BigBags, transportable via forklift
- » Clean dust collection area
- » Easy integration also into existing systems of any type or brand

### Properties

- » Automatic dust removal from filter systems
- » Automatic dust removal from spark pre-separators
- » Connection of multiple filter systems or spark pre-separators to one system is possible
- » Controlled and monitored via the filter system
- » Continuous dust removal by vacuum conveyor

#### Accessories

- » Stackable BigBags

#### Models

- » Retrofit system with individual control



# Exhaust arms

Work flexibly - exhaust arms with a reach of up to 10 meters

## Applications

- » Welding smoke
- » Gases and vapours
- » Light dusts or solvents

## Benefits

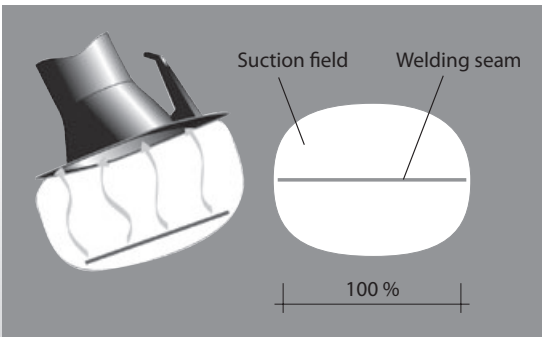
- » Various options to connect the exhaust arms to fans, stationary devices or via duct work to central extraction and filtration systems
- » Due to its easy movement, the exhaust arm can be brought into any permanent position with one hand
- » Less adjustment of the exhaust arm needed due to exhaust hood design
- » No tripping hazard on the ground by attaching wire feed unit and cable-hose to the boom

## Properties

- » Up to 10 meters in range
- » C-rails with carriage on the arm
- » Flexible exhaust arm or rigid metal tube arm
- » Rotating exhaust hood

## Exhaust hood

The rectangular shape of the rotatable exhaust hood allows it to be constantly aligned to the welding seam. It is particularly easy to move and can be adjusted to any position using only one hand. The hood has a 40 % higher coverage rate than traditional oval hoods and therefore does not need to be readjusted as frequently.



KEMPER exhaust arms unite high flexibility with ergonomic and safe workplace design. They can be used to extract welding smoke, gases and vapours as well as light dusts or solvents. With arms extending up to 10 meters, they are suitable for many different environments.



## Flexible or rigid metal tube arm

The flexible exhaust arm consists of a unique internal support and a hose

The rigid metal tube arm consists of two aluminum tubes and three hoses at the joints

## Exhaust arm

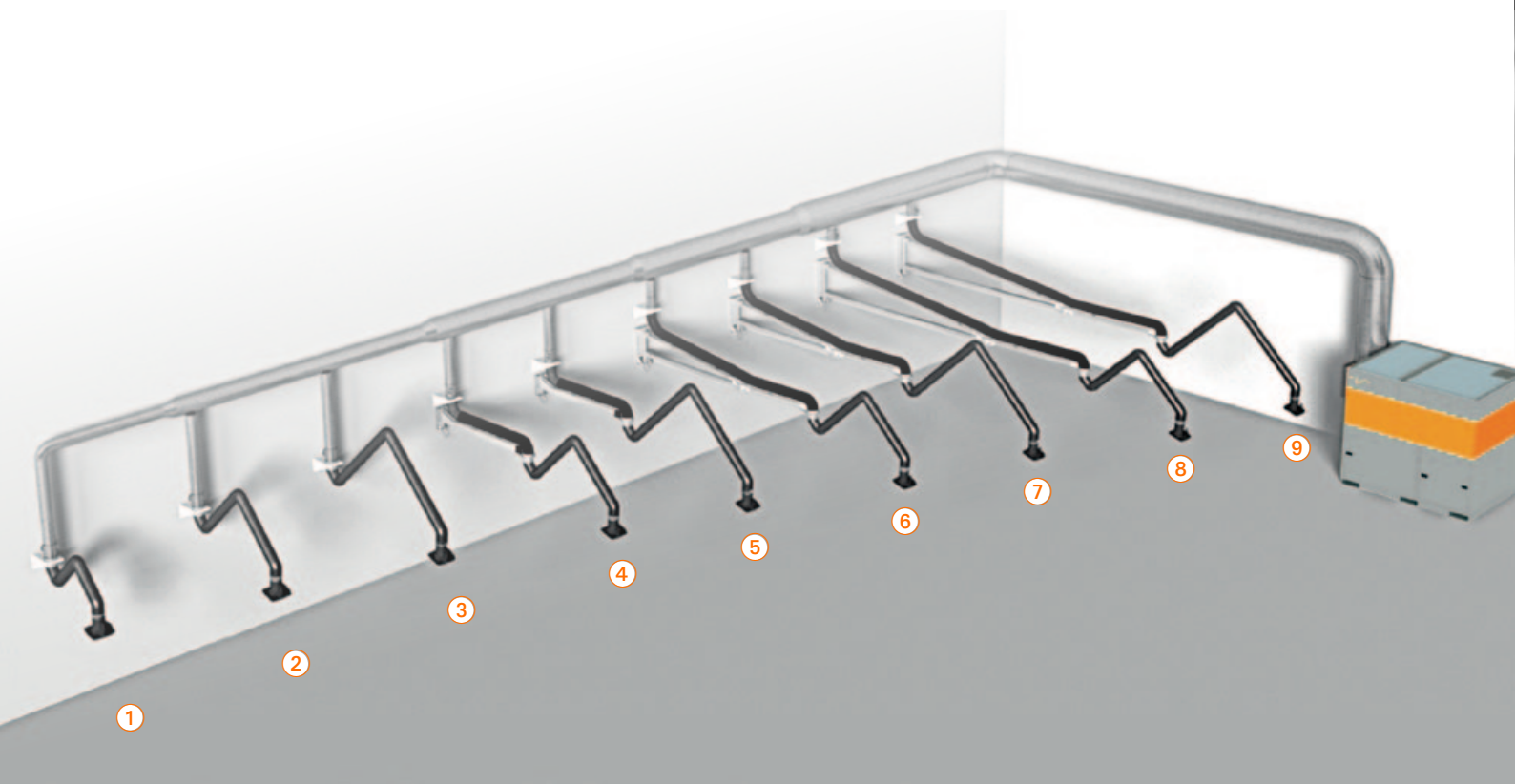
Due to its easy movement, the exhaust arm can be brought into any permanent position with just one hand





# Exhaust arms, 2-10 meters

Work flexibly - exhaust arms with a reach of up to 10 meters



Technical Data

Noise level at 1000 m³/h: 64 dB(A); Diameter: 150 mm

Rigid metal tube arm

Flexible arm

Part.No.	Part.No.	Lenght in m	Joints	Weight in kg	Fig.
79 502	79 002	2	1	17	①
79 503	79 003	3	1	20	②
79 504	79 004	4	1	23	③
79 705	79 205	5	2	63	④
79 706	79 206	6	2	66	⑤
79 507	79 007	7	2	75	
79 807	79 307	7	3	142	⑥
79 808	79 308	8	3	145	⑦
79 909	79 409	9	3	195	⑧
79 910	79 410	10	3	198	⑨



» autodark® welding helmets  
Sturdy companions. Day after day.



autodark® 760

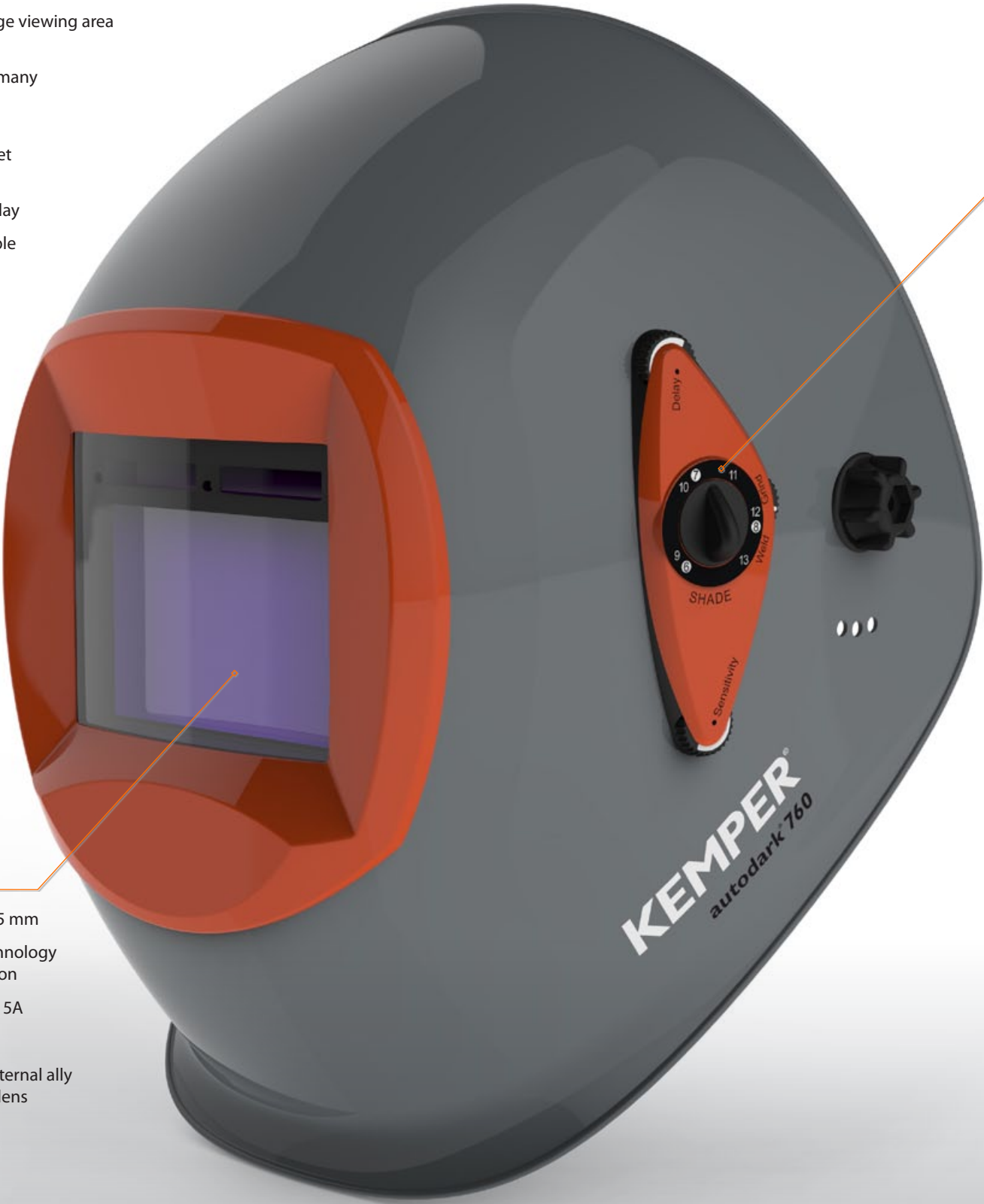
Welding helmet with maximum viewing area and highest optical classification

Benefits

- » Maximum safety thanks to very large viewing area and superb switching time
- » Wide shade range allows use with many welding applications
- » Time saving grinding mode - no need to take off welding helmet
- » Increased safety and comfort due to adjustable opening time delay
- » Reliable protection due to adjustable sensitivity

Properties

- » Viewing area 96 x 68.5 mm
- » Shade level 6-8/9-13
- » Three sensors
- » Classification 1/1/1/1
- » Switching time from light to dark < 0.15 ms
- » Adjustable opening time delay
- » Variable sensitivity



- » Extra large viewing area 96 x 68.5 mm
- » Brighter filter with ADC-plus technology allows excellent colour recognition
- » Maximum sensitivity - TIG below 5A
- » Classification 1/1/1/1
- » Low maintenance cost due to external ally fitted, standard sized protective lens

The Kemper autodark 760 unites maximum safety, an especially large viewing area and many setting options to create a unique welding helmet. The external al conntroll of all functions and the best wearing comfort make it indispensable for professional use when welding and grinding. The wide range of applications characterize the helmet, as well as its outstanding performance even during TIG welding at low amperage.

External al settings for:

- » Shade level
- » Sensitivity
- » Delay
- » Grinding mode

Overview Welding Helmets



	autodark® 560 i	autodark® 560 x	autodark® 660 i	autodark® 660 x	autodark® 760
Applications					
	Manual arc welding		Manual arc welding		Manual arc welding
	MIG/MAG welding		MIG/MAG welding		MIG/MAG welding
	TIG welding >50 A		TIG welding >5 A		TIG welding <5 A
	Micro-plasma-welding		Micro-plasma-welding		Micro-plasma-welding
			Grinding		Grinding
Technical Data					
Viewing area	96 x 42 mm		96 x 46.5 mm		96 x 68.5 mm
Classification	1/2/1/3		1/1/1/2		1/1/1/1
Dark shade	Shade 9-13		Shade 9-13	Shade 6-8/9-13	Shade 6-8/9-13
Light shade	Shade 4		Shade 4		Shade 4
UV/IR Shade	Shade 15/16		Shade 16		Shade 16
Auto-ON	yes		yes		yes
Switching time	0.4 ms (21°C)		0.15 ms (21°C)		0.15 ms (21°C)
Delay	0.2 - 0.8 s		0.2 - 0.8 s		0.1 - 1.0 s
Sensitivity	adjustable		adjustable		adjustable
Grinding mode	no		no	yes	yes
Sensors	2		2		3
Power supply	Solar cells, no battery change		Solar cells, no battery change		Solar cells, 2 batteries (CR2032)
Controls					
Shade	internal	external	internal	external	external
Delay	internal	internal	internal	external	external
Sensitivity	internal	internal	internal	external	external
Grinding mode	internal	internal	internal	external	external
Part.No.	74 800 560 i	74 800 560 x	74 800 660 i	74 800 660 x	74 800 760



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