KEMPER®

The Catalogue

KEMPER®
AirDome

BUILT TO PROTECT

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Dear KEMPER partners,

Pioneer and world market leader in welding fume extraction, innovation driver in the industry: These designations fill us with pride, because behind them are decades of hard work. But first and foremost, we see ourselves as your trustworthy partner when it comes to air pollution control, industrial safety equipment and the health of your employees.

As a dynamic family business, we have maintained this down-to-earth claim to this day. KEMPER is at home in the metal productions of this world - from the smaller craftsman's business to the global automobile manufacturer. We know the requirements of the industry and know in which environment extraction units and filter systems are optimally used.

Awareness of employee health is on the rise and occupational health and safety remains one of the biggest growth areas in welding and cutting technology. From spot extraction to air pollution control concepts: we accompany you on your way to healthy employees, a positive employer image and into the future of safe welding.

Content

Mobile Filter Units

Extraction Systems - Stationary

Extraction Systems - Central

Extraction And Cutting Tables

Exhaust Arms And Fans

High Vacuum Extraction

General Ventilation Systems

Occupational safety and partition walls

After Sales & Services

KEMPER
Safe Change Filter - SCF

25 m²

Overview

Storage filter

Cleanable Filter

Accessories And Replacement Parts

Product Comparison

General Information	SmartMaster	ProfiMaster
Filter		
Filter stages	3	2
Filter method	Storage filter	Storage filter
Filter surface	ca. 13 m²	ca. 17 m²
Type of filter	Filter cassette	Filter cassette
Filter material	Non-woven fibre	Non-woven fibre
Filter efficiency	> 99,5%	> 99,5%
Filterclass	E12	E12
Additional filters	Two pre-filters	Pre-filter

Technical Data

Basic data		
Extraction capacity	950 m³/h	1.100 m³/h
Dimensions (w x d x h)	705 x 655 x 900 mm	785 x 730 x 950 mm
Weight	71kg	95 kg
Motor power	1,1 kW	1,1 kW
Power supply	1 x 230 V / 50 Hz	3 x 400 V / 50 Hz
Rated current	6,7 A	2,3 A
Noise level	72 dB(A)	72 dB(A)
Additional information		
IFA-Certification	W3-Approved	W3-Approved
Fan type	Radial fan	Radial fan
Contamination-free filter change		

Accessories

Description		
Automatic Start/Stop		x
Extraction hood with lighting		

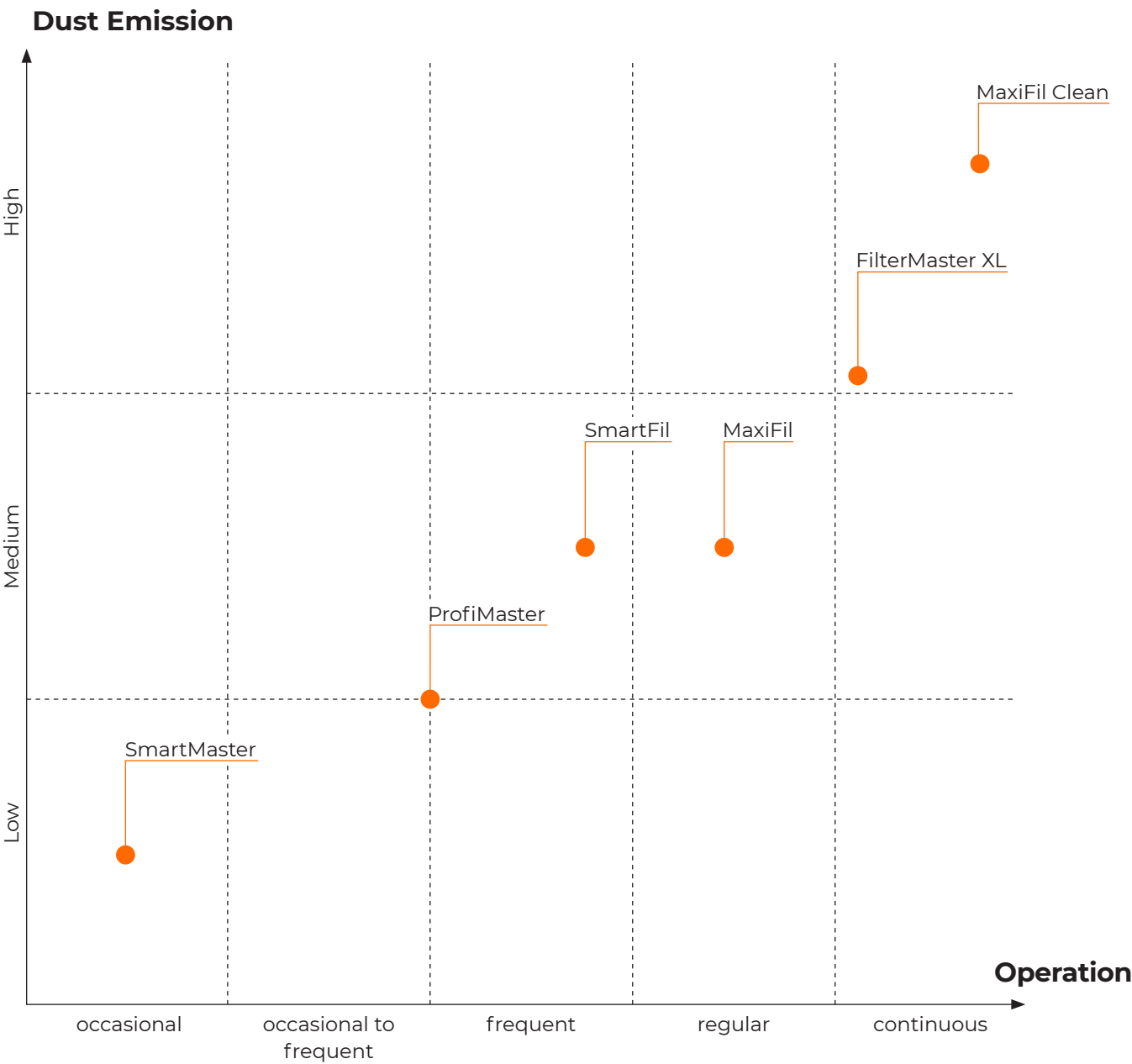| **SmartFil**	**MaxiFil**	**FilterMaster XL**	**MaxiFil Clean**
2	2	1	2
Storage filter	Storage filter	Cleanable filter	Cleanable filter
ca. 25 m²	ca. 42 m²	ca. 10 m²	ca. 15 m²
SafeChangeFilter	SafeChangeFilter	Filter cartridge	Filter cartridge
Non-woven polyester	Non-woven polyester	ePTFE-Membran	ePTFE-Membran
> 99,5%	> 99,5%	> 99,9%	> 99,9%
E12	E12		
Pre-filter (aluminium)	Pre-filter (aluminium)	-	Spark pre-separator made of aluminium mesh
1.100 m³/h	1.100 m³/h	1.000 m³/h	1.450 m³/h
795 x 836 x 1.169 mm	810 x 825 x 1.150 mm	655 x 655 x 1.460 mm	834 x 973 x 1.350 mm
131 kg	129 kg	155 kg	197 kg
1,5 kW	1,5 kW	1,5 kW	2,2 kW
3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
3,1 A	3,1 A	3,2 A	4,4 A
70 dB(A)	70 dB(A)	69 dB(A)	73 dB(A)
W3-Approved	W3-Approved	W3-Approved	W3 Certification submitted
Radial fan	Radial fan	Radial fan	Radial fan
x	x		
x	x		x
x	x		x

Range of application

Dust Emission

	SmartMaster	ProfiMaster	SmartFil	MaxiFil	FilterMaster XL	MaxiFil Clean
High-alloy steel non-ferrous metal (IFA)	x	x	x	x	x	x
TIG welding Chromium nickel steel	x	x	x	x		

Selection criteria

Emission rate	Material	Use			
Application example		Occasional	Occasional to frequent	Regular	Continuous
Class I & II **< 1-2 mg/s** Submerged arc welding TIG welding Laser welding	**Non-alloy** **Low-alloy**	SmartMaster	SmartMaster ProfiMaster SmartFil[*]	ProfiMaster SmartFil[*] MaxiFil	SmartFil[*] MaxiFil
	Aluminum	SmartMaster	SmartMaster ProfiMaster SmartFil[*]	ProfiMaster SmartFil[*] MaxiFil	SmartFil[*] MaxiFil
	High-alloy **Alloy Steel**	SmartMaster	SmartMaster ProfiMaster SmartFil[*]	ProfiMaster SmartFil[*] MaxiFil	SmartFil[*] MaxiFil
Class III **2-25 mg/s** Electric arc welding MIG/MAG welding	**Non-alloy** **Low-alloy** **Aluminum**	SmartMaster	ProfiMaster SmartFil[*]	SmartFil[*] MaxiFil FilterMaster XL	MaxiFil Clean FilterMaster XL
	High-alloy **Non-ferrous metal**	SmartMaster	ProfiMaster SmartFil[*]	SmartFil[*] MaxiFil FilterMaster XL	MaxiFil Clean FilterMaster XL
Class IV **> 25 mg/s** Flux-cored wire welding	**Non-alloy** **Low-alloy** **Aluminum**	ProfiMaster SmartFil	SmartFil[*] MaxiFil FilterMaster XL	MaxiFil Clean FilterMaster XL	MaxiFil Clean FilterMaster XL
	High-alloy **Non-ferrous metal**	ProfiMaster SmartFil[*]	SmartFil[*] MaxiFil FilterMaster XL	MaxiFil FilterMaster XL	MaxiFil MaxiFil Clean FilterMaster XL

Recommendations based on European norms and expected change or cleaning intervals of the filters.

[*] with optional 42 m² filter

SmartMaster

Applications

- Suitable for all materials, including high-alloy steel
- Low amounts of smoke/dust
- Occasional use

Benefits

- Exhaust arm requires less adjustment due to flow-optimised exhaust hood design
- Increased safety due to filter monitoring
- Flexible use due to hose connection

Technical Data

Filter	
Filter stages	3
Filter method	Storage Filter
Filter surface	13 m²
Type of filter	Filter cassette
Filter material	Non-woven fibre
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Two pre-filters
Basic data	
Extraction capacity	950 m³/h
Max. fan performance	2200 m³/h
Dimensions (w x t x h)	722 x 753 x 909 mm
Weight	71 kg
Motor power	1.1 kW
Power supply	1 x 230 V / 50 Hz
Rated current	6.7 A
Control voltage	230 V, AC
Noise level	72 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Order Data

Art. No.	Description
64 300	2 m Arm, flexible exhaust arm
64 330	3 m Arm, flexible exhaust arm
64 310	3 m suction hose and nozzle

Replacement Parts and Accessories

Art. No.	Description
109 0454	Main filter 13 m²
109 0453	Pre-filter cassette
109 0452	Pre-filter mats (10 per set)
109 0758	Alu mesh Pre-filter insert
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
79 106	The Hood

W3	IFA-certified welding smoke filter unit	W3
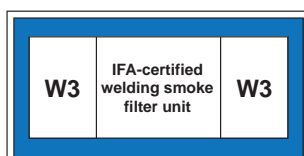
ProfiMaster, one exhaust arm

Applications

- Suitable for all materials, including high-alloy steel
- Low to medium levels of smoke and dust
- Occasional to frequent use

Benefits

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

Accessories

- Automatic start-stop

IFA-certified welding smoke filter unit

W3   W3

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	17 m²
Type of filter	Filter cassette
Filter material	Non-woven fibre
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Pre-filter
Basic data	
Extraction capacity	1100 m³/h
Max. fan performance	2200 m³/h
Dimensions (w x t x h)	797 x 828 x 977 mm
Weight	109 kg
Motor power	1.1 kW
Power supply	3 x 400 V / 50 Hz
Rated current	2.3 A
Control voltage	24 V, DC
Noise level	72 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Order Data

Art. No.	Description
60 650 100	2 m Arm, flexible exhaust arm
60 650 101	3 m Arm, flexible exhaust arm
60 650 102	4 m Arm, flexible exhaust arm
60 650 103	2 m Arm, rigid metal tube arm
60 650 104	3 m Arm, rigid metal tube arm
60 650 105	4 m Arm, rigid metal tube arm

Replacement Parts and Accessories

Art. No.	Description
109 0457	Main filter 17 m²
109 0033	Pre-filter mats (10 per set)
109 0013	Alu mesh Pre-filter insert
94 102 781	Automatic Start-Stop module with 5 m connection cable
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
79 106	The Hood
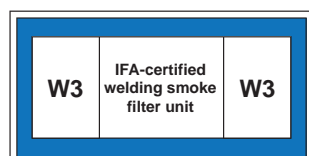
ProfiMaster, two exhaust arms

Applications

- Low to medium levels of smoke and dust
- Occasional to frequent use

Benefits

- Safe operation by rotation field control
- Maintenance door allows easy filter change
- Exhaust arm requires less adjustment due to flow-optimised exhaust hood design
- Increased safety due to filter monitoring
- Space-saving solution due to two extraction arms
- Possibility of working in two alternating places due to dampers in the extraction hood

Accessories

- Automatic start-stop

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	17 m²
Type of filter	Filter cassette
Filter material	Non-woven fibre
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Pre-filter
Basic data	
Extraction capacity	2 x 700 m³/h
Max. fan performance	2200 m³/h
Dimensions (w x t x h)	797 x 828 x 977 mm
Weight	113.8 kg
Motor power	1.1 kW
Power supply	3 x 400 V / 50 Hz
Rated current	2.3 A
Control voltage	24 V, DC
Noise level	72 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Order Data

Art. No.	Description
60 650 DA 100	2 m Arm, flexible exhaust arm
60 650 DA 101	3 m Arm, flexible exhaust arm
60 650 DA 102	4 m Arm, flexible exhaust arm
60 650 DA 103	2 m Arm, rigid metal tube arm
60 650 DA 104	3 m Arm, rigid metal tube arm
60 650 DA 105	4 m Arm, rigid metal tube arm

Replacement Parts and Accessories

Art. No.	Description
109 0457	Main filter 17 m²
109 0033	Pre-filter mats (10 per set)
109 0013	Alu mesh Pre-filter insert
94 102 782	Automatic Start-Stop module with 5 m connection cable
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
79 106	The Hood

SmartFil

Applications

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

Benefits

- Exhaust arm requires less adjustment due to flow-optimised exhaust hood design
- Increased safety due to filter monitoring
- Increased safety with safe filter change

Accessories

- The Hood Pro – extraction hood with lighting and TouchControl
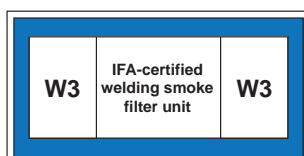- Automatic start-stop

W3	IFA-certified welding smoke filter unit	W3

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	25 m²
Type of filter	Safe Change Filter
Filter material	Cellulose with polyester nanofibre fleece
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Pre-filter (aluminium)
Basic data	
Extraction capacity	1100 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	795 x 836 x 1169 mm
Weight	131 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
64 650 100	2 m Arm, flexible exhaust arm
64 650 101	3 m Arm, flexible exhaust arm
64 650 102	4 m Arm, flexible exhaust arm
64 650 103	2 m Arm, rigid metal tube arm
64 650 104	3 m Arm, rigid metal tube arm
64 650 105	4 m Arm, rigid metal tube arm

Replacement Parts and Accessories

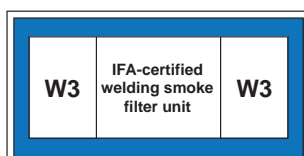| Art. No.	Description
109 0675	Replacement filter 25 m²
109 0517	Replacement filter 42 m²
94 102 781	Automatic Start-Stop module with 5 m connection cable
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
79 105	The Hood Pro

MaxiFil

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	42 m²
Type of filter	Safe Change Filter
Filter material	Cellulose with polyester nanofibre fleece
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Pre-filter (aluminium)
Basic data	
Extraction capacity	1100 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	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

Applications

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

Benefits

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

Accessories

· The Hood Pro – extraction hood with lighting and TouchControl
· Automatic start-stop

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 m²
109 0472	Pre-filter mats (10 per set)
94 102 702	Automatic Start-Stop module with 5 m connection cable
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
79 105	The Hood Pro

W3	IFA-certified welding smoke filter unit	W3

MaxiFil AC

Applications

- Absorption of gases and odors
- Medium levels of smoke and dust
- Regular use

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

Accessories

- The Hood Pro – extraction hood with lighting and TouchControl
- Automatic start-stop

Technical Data

Filter	
Filter stages	3
Filter method	Storage Filter
Filter surface	34 m²
Type of filter	Safe Change Filter
Filter material	Non-woven polyester
Filter efficiency	> 99.5 %
Filter class	E12
Additional filters	Pre-filter (aluminum) and activated charcoal filter

Basic data	
Extraction capacity	950 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	803 x 892 x 1109 mm
Weight	135 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 AK 100	2 m Arm, flexible exhaust arm
65 650 AK 101	3 m Arm, flexible exhaust arm
65 650 AK 102	4 m Arm, flexible exhaust arm
65 650 AK 103	2 m Arm, rigid metal tube arm
65 650 AK 104	3 m Arm, rigid metal tube arm
65 650 AK 105	4 m Arm, rigid metal tube arm

Replacement Parts and Accessories

Art. No.	Description
109 0515	Set Main filter and activated charcoal filter
109 0504	Replacement filter 34 m²
109 0505	Activated charcoal filter
94 102 702	Automatic Start-Stop module with 5 m connection cable
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
79 105	The Hood Pro

Comparative Test

Test conditions

Welding current: 312 A
Welding voltage: 30,3 V
Wire diameter: 1,2 mm
Wire feed: 11 m/min

Model	Recommended application	Filter surface	Welding time in hours (Arc time)	Usage of welding wire (kg)*	Filter life (Factor)
SmartMaster	occasional	13 m²	6 ¾	40,7	100 %
ProfiMaster	frequent	17 m²	13	86	210 %
SmartFil	frequent	25 m²	20	114	280 %
MaxiFil	regular	42 m²	33 ¼	218	540 %

Note:

- The results were established by extensive durability test on an automatic welding system
- The lower the filter surface, the higher is the airspeed across the filter media. The particles form a solid filter cake and the flow through the filter media is restricted. The dust load capacity is very poor.
- The higher the filter surface, the lower is the airspeed across the filter media. Particles form an open porous filter cake which acts as an additional filter. The air can flow through the filter cake and the filter media easily for a long time. The dust storage capacity is very high. This is the reason for the much longer filter life of the MaxiFil.

* 15kg reel

FilterMaster XL

Applications

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

Benefits

- High efficiency due to automatic filter cleaning
- Exhaust arm requires less adjustment due to flow-optimised exhaust hood design
- Best health protection for employees by use of KemTex® ePTFE filter cartridge with surface filtration
- Safe operation by rotation field control

Technical Data

Filter	
Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	10 m²
Type of filter	Filter cartridge
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99.9 %
Dust classification	M
Basic data	
Extraction capacity	1000 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	643 x 816 x 1457 mm
Weight	155 kg
Motor power	1.5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	3.2 A
Noise level	69 dB(A)
Additional information	
Fan type	Radial fan
Compressed air supply	5 - 6 bar
Diameter extraction arm	150 mm

Order Data

Art. No.	Description
62 100 100	2 m Arm, flexible exhaust arm
62 100 101	3 m Arm, flexible exhaust arm
62 100 102	4 m Arm, flexible exhaust arm

Replacement Parts and Accessories

Art. No.	Description
109 0438	KemTex® ePTFE membrane cartridge filter 10 m²
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
149 0185	Disposal tray
79 106	The Hood

W3 | IFA-certified welding smoke filter unit | W3
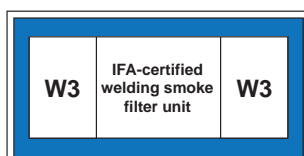
Suitable for alveole exchangeable dusts
separation > 99 % of particles < 0,4 µm

MaxiFil Clean
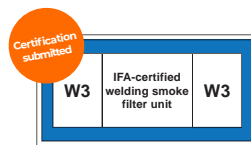
IFA-certified welding smoke filter unit
W3 | W3
Certification submitted

Applications

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

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
· Best health protection for employees by use of KemTex® ePTFE filter cartridge with surface filtration
· Very economic due to long lasting high capacity filters
· Easy to use: Intuitive & ergonomic one-button operation
· Disposal of welding fumes in disposable bags
· Spark pre-separator made of aluminium mesh

Accessories

· The Hood Pro – extraction hood with lighting and TouchControl
· Automatic start-stop

Technical Data

Filter	
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	15 m²
Type of filter	Filter cartridge
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99.9 %
Dust classification	M
Additional filters	Spark pre-separator made of aluminium mesh

Basic data	
Extraction capacity	1450 m³/h
Max. fan performance	4400 m³/h
Dimensions (w x t x h)	834 x 973 x 1350 mm
Weight	197 kg
Motor power	2.2 kW
Power supply	3 x 400 V / 50 Hz
Rated current	4.4 A
Control voltage	24 V, DC
Noise level	73 dB(A)

Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Order Data

Art. No.	Description
67 250 100	2 m Arm, flexible exhaust arm
67 250 101	3 m Arm, flexible exhaust arm
67 250 102	4 m Arm, flexible exhaust arm
67 250 103	2 m Arm, rigid metal tube arm
67 250 104	3 m Arm, rigid metal tube arm
67 250 105	4 m Arm, rigid metal tube arm

Replacement Parts and Accessories

Art. No.	Description
109 0469	KemTex® ePTFE membrane cartridge filter 15 m²
94 102 702	Automatic Start-Stop module with 5 m connection cable
119 1142	Dust collection container, set of 5
109 0732	Pre-filter insert, aluminium mesh
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
79 105	The Hood Pro

Automatic Start-Stop

Automatic start-stop for mobile extraction units

Art. No.	Description
94 102 702	Automatic start-stop sensor, 5 m connection cable
94 102 781	For ProfiMaster and SmartFil: Automatic start-stop sensor, 5 m connection cable and adapter for single arm filter units
94 102 782	For ProfiMaster: Automatic start-stop sensor, 5 m connection cable and adapter for twin arm filter units

Replacement Parts and Accessories The Hood Pro / The Hood

Art. No.	Description
79 105	The Hood Pro
79 106	The Hood
127 2520	Protection mesh for exhaust hood
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
360 5553	Cable set suitable for extraction hood with lighting in 10 m length
360 5554	Cable set suitable for extraction hood with lightingin 15 m length
135 0352	Fork head set for extraction hoods
796 0419	Swivel joint set for capture hood, incl. fork head and screws
79 103 00 02	Butterfly damper set for extraction hoods
140 0072	Outer edge protection set for extraction hoods
199 0035	Brake disc set for capture hood (5 pieces)
199 0036	Hose clamp set for capture hood and arms
199 0056	KEMPER LED lighting unit for The Hood Pro

Rubber seal set for extraction hoods and arms

Art. No.	Description
106 0290	Rubber seal set for extraction hoods and arms

Swivel Joint

Art. No.	Description
79 103 02	Swivel joint for mobile units

Replacement hose for flexible exhaust arm

Replacement hoses for exhaust arms and telescopic exhaust arms. Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
114 0348	For exhaust arms 2,0 m, Ø150mm
114 0349	For exhaust arms 3,0 m, Ø150mm
114 0350	For exhaust arms 4,0 m, Ø150mm

Replacement hoses for rigid metal tube arms

Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
79 103 40	Set of replacement hoses (3 pcs.)
79 103 10	Set of HT hoses (3 pcs.)

Replacement hose 3,0 m

Art. No.	Description
93 096	Replacement hose for SmartMaster 64310, Ø150mm

Extraction nozzle

Art. No.	Description
770 200 0001	Extraction nozzle for SmartMaster 64310, DN150

Spare filter for SmartMaster

Art. No.	Description
109 0454	Main filter 13 m²
109 0452	Pre-filter mats (10 per set)
109 0453	Pre-filter cassette
109 0758	Aluminium pre-filter for SmartMaster

Spare filter for ProfiMaster

Art. No.	Description
109 0457	Main filter 17 m²
109 0033	Pre-filter mats (10 per set)
109 0013	Aluminium pre-filter for ProfiMaster, FilterCell, FilterTable

Replacement filter 25 m² for SmartFil

Art. No.	Description
109 0675	Replacement filter 25 m²

Replacement filter 42 m²

For SmartFil, MaxiFil, WallMaster

Art. No.	Description
109 0517	Replacement filter 42 m²
109 0472	Pre-filter mats (10 per set)

Set Main filter and activated charcoal filter

Art. No.	Description
109 0515	Set Main filter and activated charcoal filter
109 0504	Replacement filter 34 m²
109 0505	Activated charcoal filter
109 0472	Pre-filter mats (10 per set)

KemTex® ePTFE Spare filter 10 m²

For FilterMaster XL, FilterCell XL

Art. No.	Description
109 0438	KemTex® ePTFE membrane cartridge filter 10 m²
149 0185	Disposal tray

Spare filter for MaxiFil Clean

Art. No.	Description
109 0469	15 m² KemTex® ePTFE membrane cartridge filter
119 1142	Dust collection container, set of 5

Spare filter for Cartridge Filter

Type: 82 100 ..., 82 200 ..., 82 150 ...

Art. No.	Description
109 0434	KemTex® ePTFE membrane cartridge filter 4 m² (two filters installed)
831 000 000 102	Dust collection bin for Mobile & Stationary Cartridge Filter Units
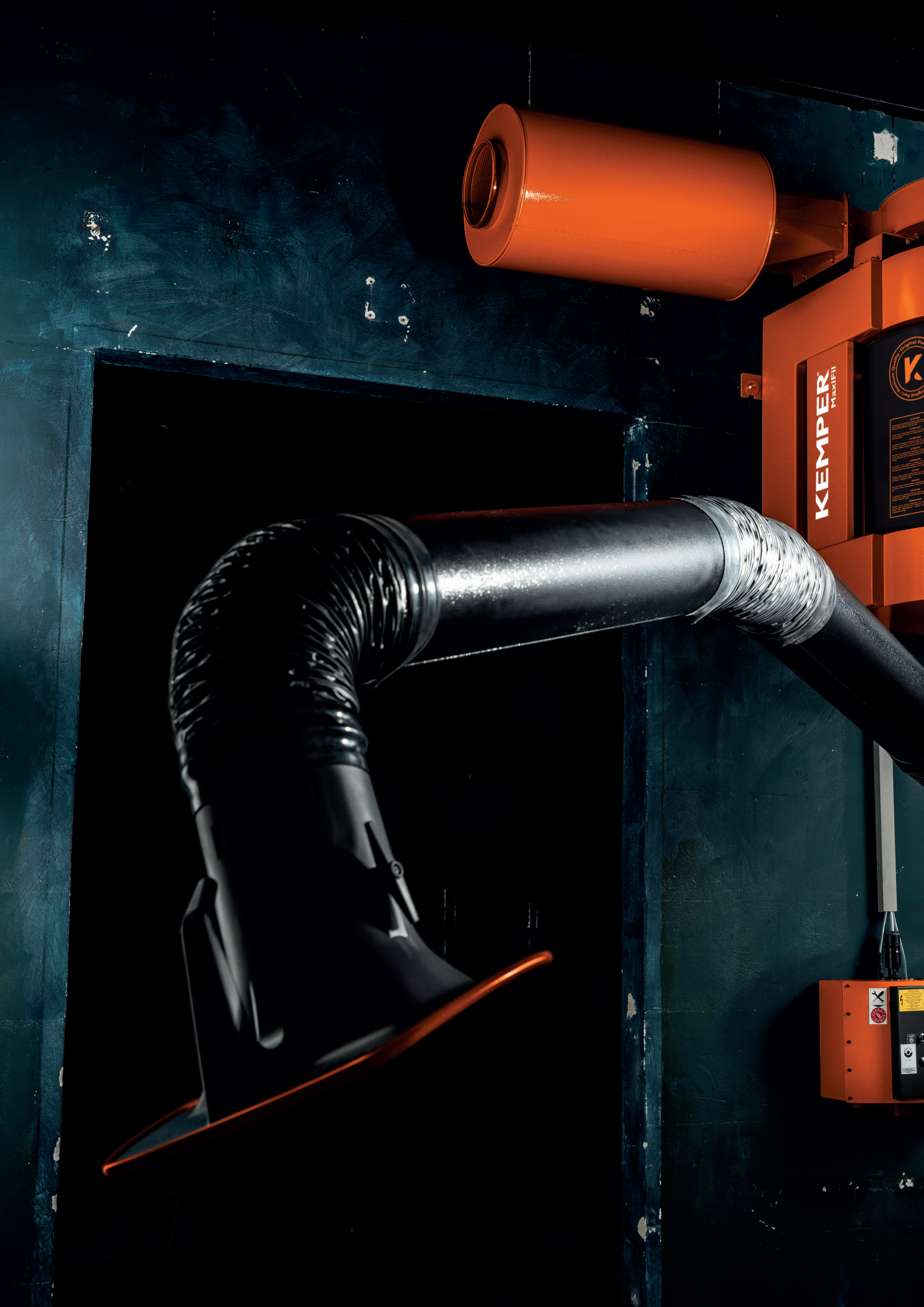
Storage filter

Cleanable Filter

Accessories And Replacement Parts

WallMaster

Applications

- Medium levels of smoke and dust
- Modular extensionin combination with capturing elements
- One or two workplaces

Properties

- Retrofittable
- Compact and solid design
- Mechanical operation of the filter unit

Benefits

- Increased safety with safe filter change
- Very economic due to long lasting high capacity filters
- Inexpensive welding smoke filter for retrofitting of existing capturing elements
- Robust filter monitoring by means of pressure gauge
- Integrated lifting device for filter change
- Easy and quick installation

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	42 m²
Type of filter	Safe Change Filter
Filter material	Non-woven polyester
Filter efficiency	> 99.5 %
Filter class	E12
Basic data	
Dimensions (w x t x h)	765 x 715 x 795 mm
Weight	65 kg
Suitable for air volumes of up to	1600 m³/h

Order Data

Art. No.	Description
65 750	WallMaster

Replacement Parts and Accessories

Art. No.	Description
109 0517	Replacement filter 42 m²

MaxiFil Stationary

Applications

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

Properties

· W3/IFA certified
· Automatic Start-Stop (optional)

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 with safe filter change
· Convenient unit operation due to control box
· Arm from 5 m with boom
· Silencer
· Control box

Accessories

· The Hood Pro – extraction hood with lighting and TouchControl
· Automatic start-stop

W3	IFA-certified welding smoke filter unit	W3
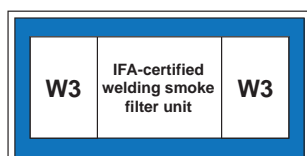
Technical Data

Filter

Filter stages	2
Filter method	Storage Filter
Filter surface	42 m²
Type of filter	Safe Change Filter
Filter material	Non-woven polyester
Filter efficiency	> 99.5 %
Filter class	E12

Basic data

Extraction capacity	1000 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	1533 x 776 x 1228.5 mm
Weight	125 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	72 dB(A)

Additional information

IFA-Certification	W3-Approved
Fan type	Radial fan
Quantity of extraction arms	1
Diameter extraction arm	150 mm

Order Data

Art. No.	Description
65 850 100	2 m Arm, flexible exhaust arm
65 850 101	3 m Arm, flexible exhaust arm
65 850 102	4 m Arm, flexible exhaust arm
65 850 103	5 m Arm, flexible exhaust arm
65 850 104	6 m Arm, flexible exhaust arm
65 850 105	7 m Arm, flexible exhaust arm
65 850 106	2 m Arm, rigid metal tube arm
65 850 107	3 m Arm, rigid metal tube arm
65 850 108	4 m Arm, rigid metal tube arm
65 850 109	5 m Arm, rigid metal tube arm
65 850 110	6 m Arm, rigid metal tube arm
65 850 111	7 m Arm, rigid metal tube arm

Replacement Parts and Accessories

Art. No.	Description
109 0517	Replacement filter 42 m²
94 102 702	Automatic Start-Stop module with 5 m connection cable
79 053 01	Swivel joint for stationary units
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
79 103 046	Lighting kit for single arm filter units with The Hood Pro 2 x 5 W LED lights, Trafo-Box (original equipment for filter units)
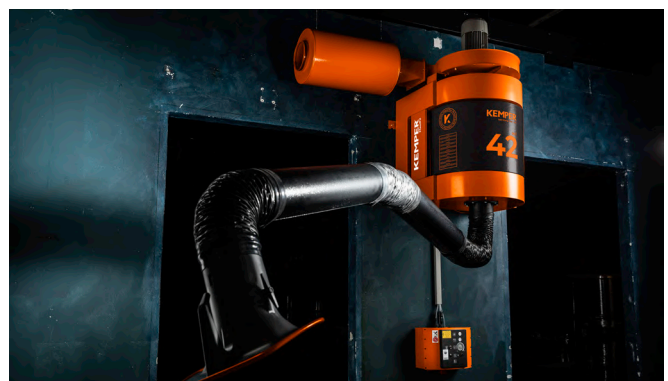
FilterTable

Applications

- Low to medium levels of smoke and dust
- Occasional to frequent use

Properties

- Spark separator
- Large, robust material support
- Activated charcoal filter (optional)

Benefits

- Maintenance door allows easy filter change
- Effective spark protection ensures maximum safety
- Downdraft extraction throughout the whole working area
- Wide range of applications due to large working area of 1,200 x 800mm

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	15.8 m²
Type of filter	Filter cassette
Filter material	Non-woven fibre
Filter class	F9
Additional filters	Pre-filter (aluminium)
Basic data	
Extraction capacity	1400 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	1200 x 800 x 1340 mm
Weight	153 kg
Motor power	1,5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	3.2 A
Noise level	71 dB(A)
Additional information	
Fan type	Radial fan

Order Data

Art. No.	Description
950 400 001	FilterTable

Replacement Parts and Accessories

Art. No.	Description
109 0010	Main filter 15,8 m²
109 0013	Alu mesh Pre-filter insert
109 0345	Activated charcoal filter

FilterTable GWT

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	15,8 m²
Type of filter	Filter cassette
Filter material	Non-woven fibre
Filter class	F9
Additional filters	Pre-filter (aluminium)
Basic data	
Extraction capacity	1400 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	1200 x 800 x 970 mm
Weight	245 kg
Motor power	1,5 kW
Rated current	3,2 A
Noise level	71 dB(A)
Additional information	
Fan type	Radial fan

Applications

- Low to medium levels of smoke and dust
- Occasional to frequent use
- Cobot applications

Properties

- Large, robust material support
- Activated charcoal filter (optional)
- Load capacity up to 1000kg (static)
- Down-draft system
- Protective wall enclosure (optional)

Order Data

Art. No.	Description
95 0400 020	FilterTable GWT

Replacement Parts and Accessories

Art. No.	Description
109 0010	Main filter 15,8 m²
109 0013	Alu mesh Pre-filter insert
109 0345	Activated charcoal filter
998 803719	Protective screen set

Benefits

- Maintenance door allows easy filter change
- Effective spark protection ensures maximum safety
- Clamping options via clamping hole Ø 16mm
- Downdraft extraction throughout the whole working area
- Wide range of applications due to large working area of 1,200 x 800mm
- Dense bore grid 50mm
- Smooth repositioning by means of rollers

Cartridge Filter, stationary

Applications

- High levels of smoke and particles
- Non-stop operation
- Two exhaust arms available

Properties

- Automatic filter cleaning, pressure-controlled
- KemTex® ePTFE filter cartridges
- Arm from 5 m with boom
- Available with two arms
- Silencer
- Control box

Benefits

- High efficiency due to automatic filter cleaning
- Less need to adjust the exhaust arm due to flow-optimised exhaust hood design
- Best health protection for employees by use of KemTex® ePTFE filter cartridges with surface filtration
- Low air consumption due to differential pressure-controlled cleaning

Accessories

- The Hood Pro – extraction hood with lighting and TouchControl
- Automatic start-stop

Suitable for alveole exchangeable dusts
separation > 99 % of particles < 0,4 µm

Technical Data

Filter

Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	8 m²
Type of filter	Filter cartridge
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99.9 %
Dust classification	M

Basic data

Extraction capacity - single arm unit	1200 m³/h
Extraction capacity - twin arm unit	2 x 700 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	655 x 655 x 1355 mm
Weight	146 kg
Motor power	1,5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	3.5 A
Noise level	71 dB(A)

Additional information

Fan type	Radial fan
Compressed air supply	5 - 6 bar
Diameter extraction arm	150 mm

Single arm unit

Art. No.	Description
83 100 100	2 m Arm, flexible exhaust arm
83 100 101	3 m Arm, flexible exhaust arm
83 100 102	4 m Arm, flexible exhaust arm
83 100 103	5 m Arm, flexible exhaust arm
83 100 104	6 m Arm, flexible exhaust arm
83 100 105	7 m Arm, flexible exhaust arm
83 100 106	2 m Arm, rigid metal tube arm
83 100 107	3 m Arm, rigid metal tube arm
83 100 108	4 m Arm, rigid metal tube arm
83 100 109	5 m Arm, rigid metal tube arm
83 100 110	6 m Arm, rigid metal tube arm
83 100 111	7 m Arm, rigid metal tube arm

Twin arm unit

Art. No.	Description
83 200 100	2 m Arm, flexible exhaust arm
83 200 101	3 m Arm, flexible exhaust arm
83 200 102	4 m Arm, flexible exhaust arm
83 200 103	5 m Arm, flexible exhaust arm
83 200 104	6 m Arm, flexible exhaust arm
83 200 105	7 m Arm, flexible exhaust arm
83 200 106	2 m Arm, rigid metal tube arm
83 200 107	3 m Arm, rigid metal tube arm
83 200 108	4 m Arm, rigid metal tube arm
83 200 109	5 m Arm, rigid metal tube arm
83 200 110	6 m Arm, rigid metal tube arm
83 200 111	7 m Arm, rigid metal tube arm

Replacement Parts and Accessories

Art. No.	Description
79 103 046	Lighting kit for single arm filter units with The Hood Pro 2 x 5 W LED lights, Trafo-Box (original equipment for filter units)
79 103 047	Lighting kit for twin arm filter units with The Hood Pro 2 x 5 W LED lights, Trafo-Box (original equipment for filter units)
109 0434	KemTex® ePTFE membrane cartridge filter 4 m²
79 053 01	Swivel joint for stationary units
94 102 702	Automatic Start-Stop module with 5 m connection cable

FilterCell XL

Applications

- High levels of smoke and particles
- Non-stop operation
- For exhaust hoods, extraction tables and robot cells

Properties

- 160mm duct connection
- Automatic filter cleaning
- Height-adjustable feet
- Rotation field control

Benefits

- High efficiency due to automatic filter cleaning
- Space-saving due to compact design
- Easy installation since unit is delivered ready to plug in ("plug and play")
- Best health protection for employees by use of KemTex® ePTFE filter cartridge with surface filtration

Suitable for alveole exchangeable dusts
separation > 99 % of particles < 0,4 µm

Technical Data

Filter	
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	10 m²
Type of filter	Filter cartridge
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99.9 %
Dust classification	M
Basic data	
Extraction capacity	1000 m³/h
Max. fan performance	3000 m³/h
Dimensions (w x t x h)	655 x 655 x 1460 mm
Weight	155 kg
Motor power	1,5 kW
Power supply	3 x 400 V / 50 Hz
Noise level	69 dB(A)
Additional information	
Fan type	Radial fan

Order Data

Art. No.	Description
60 200	FilterCell XL

Replacement Parts and Accessories

Art. No.	Description
109 0438	KemTex® ePTFE membrane cartridge filter 10 m²
149 0185	Disposal tray

Replacement Parts and Accessories The Hood Pro / The Hood

Art. No.	Description
79 105	The Hood Pro
79 106	The Hood
127 2520	Protection mesh for exhaust hood
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
360 5553	Cable set suitable for extraction hood with lighting in 10 m length
360 5554	Cable set suitable for extraction hood with lightingin 15 m length
135 0352	Fork head set for extraction hoods
796 0419	Swivel joint set for capture hood, incl. fork head and screws
79 103 00 02	Butterfly damper set for extraction hoods
140 0072	Outer edge protection set for extraction hoods
199 0035	Brake disc set for capture hood (5 pieces)
199 0036	Hose clamp set for capture hood and arms
199 0056	KEMPER LED lighting unit for The Hood Pro

Replacement hose for flexible exhaust arm

Replacement hoses for exhaust arms and telescopic exhaust arms. Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
114 0348	For exhaust arms 2,0 m, Ø150mm
114 0349	For exhaust arms 3,0 m, Ø150mm
114 0350	For exhaust arms 4,0 m, Ø150mm

Replacement hoses for rigid metal tube arms

Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
79 103 40	Set of replacement hoses (3 pcs.)
79 103 10	Set of HT hoses (3 pcs.)

Rubber seal set for extraction hoods and arms

Art. No.	Description
106 0290	Rubber seal set for extraction hoods and arms

Replacement filter 42 m²

For MaxiFil stationary, WallMaster

Art. No.	Description
109 0517	Replacement filter 42 m²

Replacement filter 15,8m²

For FilterTable

Art. No.	Description
109 0010	Main filter 15,8 m²
109 0013	Aluminium pre-filter for ProfiMaster, FilterCell, FilterTable
109 0345	Activated charcoal filter
21 102	Bag filter

KemTex® ePTFE Spare filter 4 m²

For Cartridge filter stationary / VacuFil Compact

Art. No.	Description
109 0434	KemTex® ePTFE membrane cartridge filter 4 m² (two filters installed)
831 000 000 102	Dust collection bin for Mobile & Stationary Cartridge Filter Units

KemTex® ePTFE Spare filter 10 m²

For FilterMaster XL, FilterCell XL

Art. No.	Description
109 0438	KemTex® ePTFE membrane cartridge filter 10 m²
149 0185	Disposal tray

Exhaust Arms

Fans

Welding Fume Exhaust Set

Accessories And Replacement Parts

Tubes

The Hood Pro

Applications

- For use on KEMPER units with extraction arm and lighting or on wall-mounted extraction arms with additional transformer box
- Local extraction of welding fumes directly at the source

Benefits

- Thanks to TouchControl, you can intuitively control the lighting and extraction with a double tap directly on the hood frame
- More brightness: Up to 80% increase in light efficiency compared to before
- Maximum extraction performance thanks to flow-optimised hood shape with over 60% more extraction area.
- Plug & Play: quick installation of the connection cable
- Special light guidance on the area to be extracted – for greater work safety and minimal readjustment
- Tap & Go: Control without switches – the first TouchControl function makes it possible.

Properties

- Can be retrofitted to all KEMPER devices with lighting – even those with automatic start-stop function
- Robust, switch-free design

Technical Data

Basic data	
Suction field	ISO 21904-1 compliant
luminous flux	501.93 lm
Connection Ø	150 mm
Dimensions (w x t x h)	287 x 361 x 416 mm
Weight	2.14 kg
Power supply	24V AC
Additional information	
rotation angle	360 °
Illumination width	510 x 445 mm
suction field	360 °

Order Data

Art. No.	Description
79 105	The Hood Pro

Replacement Parts and Accessories

Art. No.	Description
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
360 5553	Cable set suitable for extraction hood with lighting in 10 m length
360 5554	Cable set suitable for extraction hood with lightingin 15 m length
79 103 00 02	Butterfly damper set for extraction hoods
199 0035	Brake disc set for capture hood (5 pieces)
127 2520	Protection mesh for exhaust hood

The Hood

Applications

- Local extraction of welding fumes directly at the source

Benefits

- Exhaust arm requires less adjustment due to flow-optimised exhaust hood design

Properties

- now standard on all KEMPER devices with extraction arms
- Robust, switch-free design

Technical Data

Basic data	
Suction field	ISO 21904-1 compliant
Connection Ø	150 mm
Dimensions (w x t x h)	287 x 361 x 416 mm
Weight	2.07 kg
Power supply	24V AC
Additional information	
rotation angle	360 °
suction field	360 °

Lighting retrofit kit

Art. No.	Description
199 0056	LED lighting set
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
360 5553	Cable set suitable for extraction hood with lighting in 10 m length
360 5554	Cable set suitable for extraction hood with lightingin 15 m length
199 0035	Brake disc set for capture hood (5 pieces)

Order Data

Art. No.	Description
79 106	The Hood

Replacement Parts and Accessories

Art. No.	Description
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
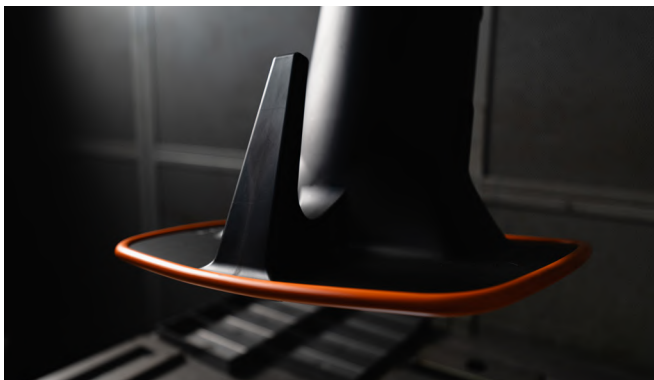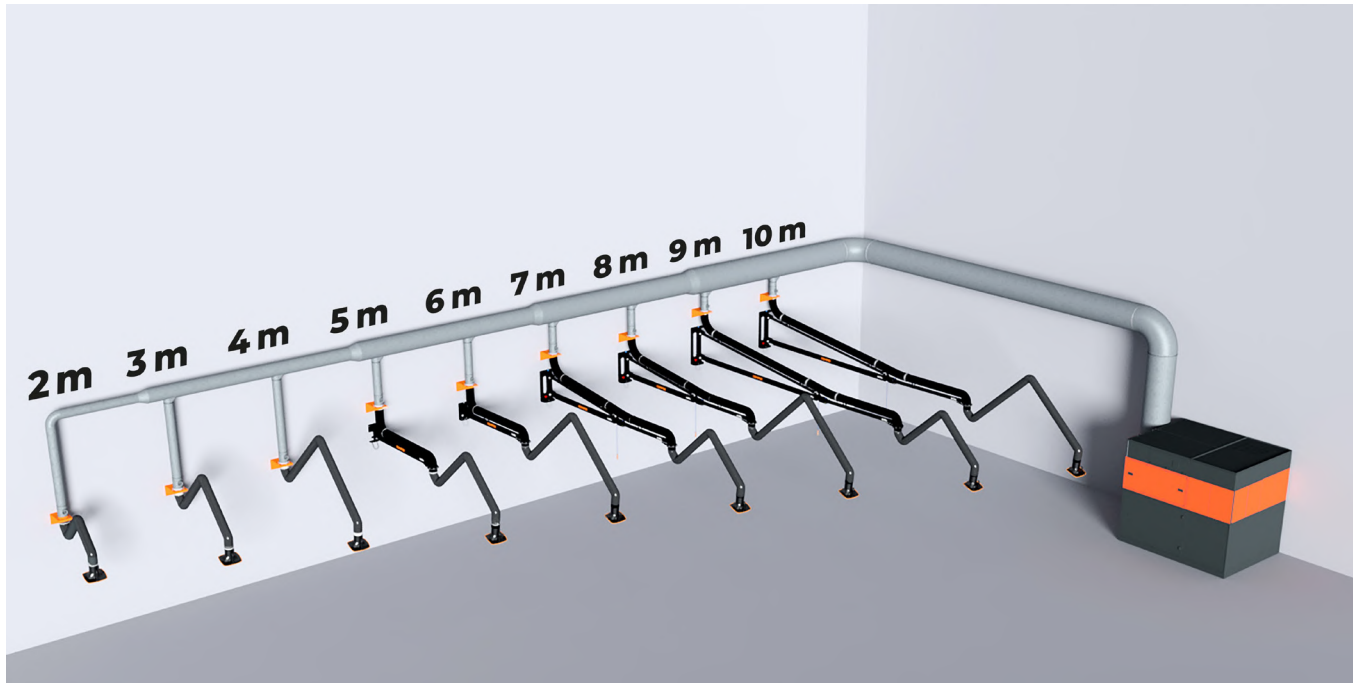
Overview of extraction arms

Booms

These can be one- or two-part depending on length and fastened in place by a wall bracket. They have C-rails with trolleys and can handle loads, for example tools or wire feeders, of up to 50 kg.

Extraction arms

The arm can be moved to any desired position within its range easily and quickly and remains there.

Flexible hose version

The flexible hose arm consists of internal rods and external hosing.

Rigid metal tube version

This version consists of two aluminium tubes and three pieces of hosing at the internal joints.

Extraction hood

The rectangular shape and 360-degree flexibility of the hood ensure it is always ideally positioned relative to welding. It is very easy to operate and can be positioned with one hand. The flange-shaped cover on the sides prevents the extraction of unwanted air. The hood has a 40% higher efficiency level than standard oval models and needs less positioning.

suction field

welding seam

70 %
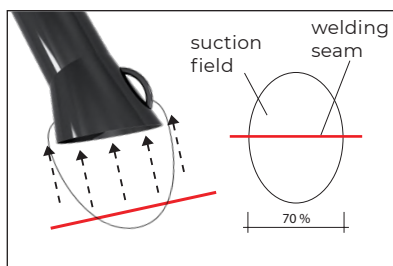
Conventional, oval exhaust hood

suction field

welding seam

100 %
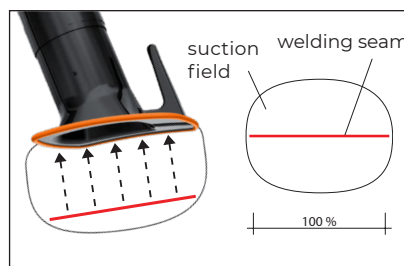
Exhaust hood with flangeshaped overlep

361 mm   287 mm

Exhaust arm

Applications

- For connection to fans or central extraction systems
- High levels of smoke and particles
- Non-stop operation
- Welding fumes, gases, vapours, light dusts

Benefits

- Reduced tripping hazard by attaching tools or wire feed unit to the boom with carriage
- User-friendly due to particularly smooth movement of the hood with one hand
- Arm keeps position due to self-supporting design
- Various options to connect the exhaust arms to fans, stationary devices or via duct work to central extraction and filtration systems

Properties

- As a flexible exhaust arm: Polyester fabric hose, PVC coated with welded steel wire spiral
- As a rigid metal tube arm: Powder-coated aluminum tube, three flexible hose sections

Technical Data

Additional information

Diameter extraction arm	150 mm

Order Data

Art. No.	Description
79 002	2 m Arm, flexible exhaust arm
79 003	3 m Arm, flexible exhaust arm
79 004	4 m Arm, flexible exhaust arm
79 502	2 m Arm, rigid metal tube arm
79 503	3 m Arm, rigid metal tube arm
79 504	4 m Arm, rigid metal tube arm

Replacement Parts and Accessories

| Art. No.	Description
141 7182	Column for extraction arm 2 to 4 m
141 7184	Column for extraction arm 5 to 7 m
141 7305	Column for extraction arm 7 to 10 m
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
79 105	The Hood Pro

Exhaust arm - one-piece boom

Order Data

Art. No.	Total length	Length of exhaust arm	Length of boom	Extraction arm type	Weight	Ø Extraction arm
79 205	5 m	3 m	2 m	flexible exhaust arm	63 kg	150 mm
79 206	6 m	4 m	2 m	flexible exhaust arm	66 kg	150 mm
79 007	7 m	4 m	3 m	flexible exhaust arm	75 kg	150 mm
79 705	5 m	3 m	2 m	rigid metal tube arm	63 kg	150 mm
79 706	6 m	4 m	2 m	rigid metal tube arm	66 kg	150 mm
79 507	7 m	4 m	3 m	rigid metal tube arm	75 kg	150 mm

Exhaust arm - two-piece boom

Order Data

Art. No.	Total length	Length of exhaust arm	Length of boom	Extraction arm type	Weight	Ø Extraction arm
79 307	7 m	3 m	2,5 + 1,5 m	flexible exhaust arm	142 kg	150 mm
79 308	8 m	4 m	2,5 + 1,5 m	flexible exhaust arm	145 kg	150 mm
79 807	7 m	3 m	2,5 + 1,5 m	rigid metal tube arm	142 kg	150 mm
79 808	8 m	4 m	2,5 + 1,5 m	rigid metal tube arm	145 kg	150 mm
79 409	9 m	3 m	4 + 2 m	flexible exhaust arm	195 kg	150 mm
79 410	10 m	4 m	4 + 2 m	flexible exhaust arm	198 kg	150 mm
79 909	9 m	3 m	4 + 2 m	rigid metal tube arm	195 kg	150 mm
79 910	10 m	4 m	4 + 2 m	rigid metal tube arm	198 kg	150 mm

Column for exhaust arm
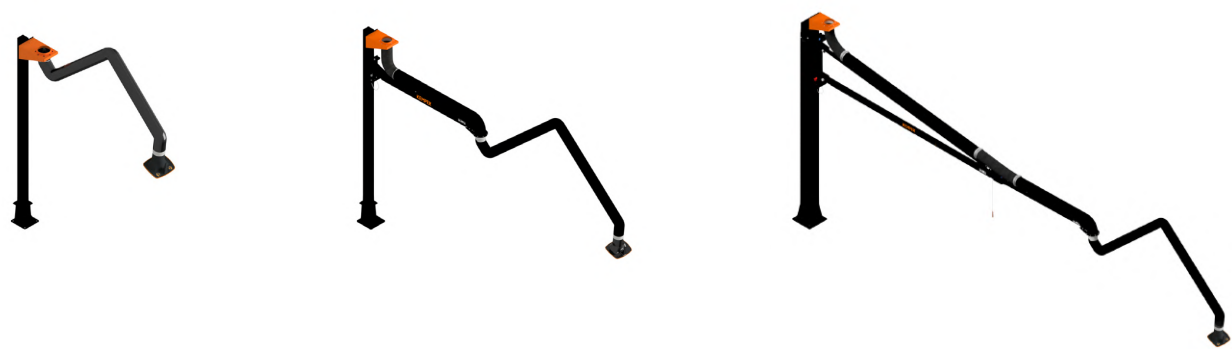
Order Data

Art. No.	Length of exhaust arm	height	Weight	Colour
141 7182	2 - 4 m	2675 mm	35 kg	black, RAL 9005
141 7184	5 - 7 m	3320 mm	79 kg	black, RAL 9005
141 7305	7 - 10 m	3340 mm	184 kg	black, RAL 9005

Exhaust Arm Upright -Suspended

Applications

- For existing devices
- On work tables
- On extraction devices
- Suspended extraction arm for stationary units
- Upright extraction arm for mobile units
- Welding fumes, gases, vapours, light dusts

Order Data

Art. No.	Description	Diameter	Exhaust arm type	Weight
79 052	2 m Arm, suspended installation	150 mm	flexible exhaust arm	17 kg
79 053	3 m Arm, suspended installation	150 mm	flexible exhaust arm	21 kg
79 054	4 m Arm, suspended installation	150 mm	flexible exhaust arm	24 kg
79 102	2 m Arm, upright installation	150 mm	flexible exhaust arm	17 kg
79 103	3 m Arm, upright installation	150 mm	flexible exhaust arm	21 kg
79 104	4 m Arm, upright installation	150 mm	flexible exhaust arm	24 kg

Exhaust arm for suction rail

Applications

- For connection to fans or central extraction systems
- High levels of smoke and particles
- Non-stop operation
- Welding fumes, gases, vapours, light dusts
- Large workpieces

Properties

- Polyester fabric hose, PVC coated with welded steel wire spiral
- Exhaust arms up to 4m

Benefits

- Fast operation due to long reach and particularly flexible adjustment of the exhaust arm by 360 degrees below the carriage
- User-friendly due to particularly smooth movement of the hood with one hand
- Arm keeps position due to self-supporting design

Technical Data

Basic data	
Diameter	150 mm
Additional information	
Exhaust arm type	flexible exhaust arm

Order Data

Art. No.	Description
79 002 100	2 m arm
79 003 100	3 m arm
79 004 100	4 m arm

Replacement Parts and Accessories

Art. No.	Description
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood

Fan Eco

Applications

- For extraction and telescopic arms, suction hoses, stationary systems, and central air technology systems
- High levels of smoke and particles
- Non-stop operation

Properties

- Housing and impeller made of cast aluminum – robust, durable and corrosion-resistant
- Outstanding energy efficiency clearly exceeds the EU requirements of the new Ecodesign regulation
- Lower noise level during operation
- High maximum pressure for demanding applications
- Aerodynamically optimized impellers – maximum performance with quiet operation

Order Data

Art. No.	Description	Supply voltage	Extraction capacity	Motor power
921 10 150	Fan Eco M	1 x 230 V / 50 Hz	650 - 1250 m³/h	0,75 kW
921 10 100	Fan Eco M	3 x 400 V / 50 Hz	650 - 1250 m³/h	0,75 kW
921 20 150	Fan Eco L	1 x 230 V / 50 Hz	750 - 1700 m³/h	0,75 kW
921 20 100	Fan Eco L	3 x 400 V / 50 Hz	750 - 1700 m³/h	0,75 kW
921 30 150	Fan Eco XL	1 x 230 V / 50 Hz	900 - 1900 m³/h	1.1 kW
921 30 100	Fan Eco XL	3 x 400 V / 50 Hz	900 - 1900 m³/h	1.1 kW

Central fan
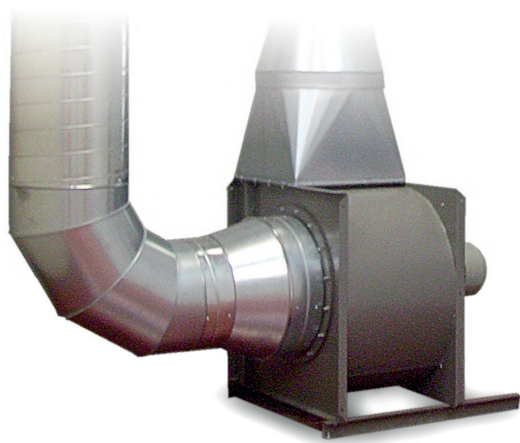
Applications

- For extraction tables, extraction hoods and extraction arms
- High levels of smoke and particles
- Non-stop operation

Properties

- Galvanised steel sheet construction
- Different performance classes

Benefits

- Low investment costs because extraction takes place without air filtration

Technical Data

Basic data	
Power supply	3 x 400 V / 50 Hz

Order Data

Art. No.	Description
921 0360 130	KDCF 355-2, 2,2 kW / 2,000 - 4,000 m³/h
921 0480 140	KDCF 355-2, 3,0 kW / 3,000 - 5,000 m³/h
921 0510 170	KDCF 400-2, 4,0 kW / 4,000 - 7,000 m³/h
921 0700 170	KDCF 400-2, 5,5 kW / 6,000 - 9,000 m³/h
921 0750 230	KDCF 400-2, 11,0 kW / 6,000 - 10,000 m³/h

*Suitable accessories available upon request

Welding Smoke Exhaust Fan Eco

Applications

· High levels of smoke and particles
· Non-stop operation
· For ventilation and extraction

Properties

· Compatible with exhaust hoses in Ø 100 mm, Ø 150 mm, Ø 160 mm
· Improved energy efficiency and reduced noise level for more comfortable working conditions
· Housing and fan made of die-cast aluminum.
· Stepless and maximum performance thanks to integrated KEMPER Eco fans
· Portable and mobile for maximum mobility

Benefits

· High flexibility since blower can be used both for ventilation and extraction
· Significantly quieter and more energy-efficient thanks to new eco fans with optimized airflow technology
· Spark-proof and robust die-cast aluminum housing ensures high operational safety
· Ideal for mobile or stationary use, for example on construction sites or in workshops

Technical Data

Additional information

Fan type	Radial fan

Order Data

Art. No.	Description	Air flow rate (max.)	Max. pressure increase	Motor power	Supply voltage
91 623 1001	Eco M	1650 m³/h	2100 Pa	0,75 kW	1 x 230 V / 50 Hz
91 6231	Eco M	1650 m³/h	2000 Pa	0,75 kW	3 x 400 V / 50 Hz
91 618 1001	Eco XL	2350 m³/h	2230 Pa	1.1 kW	1 x 230 V / 50 Hz
91 6181	Eco XL	2400 m³/h	2250 Pa	1.1 kW	3 x 400 V / 50 Hz

Further Products

Art. No.	Description
93 082	Exhaust hose Ø 100 mm, length 6,0 m, incl. exhaust hood with magnetic foot
93 083	Exhaust hose Ø 150 mm, length 6,0 m, incl. exhaust hood with magnetic foot
79 110	The Hood with magnetic foot, including exhaust hose, Ø 150 mm, length 6.0 m
93 087	Exhaust hose, Ø 250 mm, length 6,0 m, incl. exhaust hood with magnetic foot
93 087 100	Exhaust hose Ø 250 mm, length 10,0 m, incl. exhaust hood with magnetic foot
93 084	Outgoing air hose, Ø 160 mm, length 6.0 m
93 088	Outgoing air hose Ø 250 mm, length 6,0 m

Exhaust Set Eco

Applications

- High levels of smoke and particles
- Non-stop operation
- Where filtration is not essential
- Welding fumes, gases, vapours, light dusts

Technical Data

Basic data	
Motor power	0,75 kW
Noise level	63.5 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Properties

- Self-supported by internal springs
- As a flexible exhaust arm: Polyester fabric hose, PVC coated with welded steel wire spiral
- As a rigid metal tube arm: Powder-coated aluminum tube, three flexible hose sections
- 360° adjustable exhaust hood for flexible alignment
- Fan made of spark-proof, robust cast aluminium with a new impeller for higher performance and reduced noise level

Replacement Parts and Accessories

Art. No.	Description
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
141 7184	Column for extraction arm 5 to 7 m
141 7305	Column for extraction arm 7 to 10 m
79 103 048	Lighting kit consisting of The Hood Pro with cable set and transformer box (original equipment – when ordered in conjunction with an extraction arm)
79 103 034	Lighting kit consisting of The Hood Pro with cable set and transformer box (retrofit for existing extraction arm)

Benefits

- Significantly quieter and more energy-efficient thanks to new eco fans with optimized airflow technology
- User-friendly due to particularly smooth movement of the hood with one hand
- Arm keeps position due to self-supporting design
- Less adjustment of the extraction arm thanks to the flow-optimized design of the new hood The Hood
- Reliable and ready for the future – meets today's and tomorrow's EU standards

Order Data

Art. No.	Description	Length of exhaust arm	Extraction capacity	Supply voltage
79 002 2031	flexible exhaust arm	2 m	1100 m³/h	1 x 230 V / 50 Hz
79 003 2031	flexible exhaust arm	3 m	1100 m³/h	1 x 230 V / 50 Hz
79 004 2031	flexible exhaust arm	4 m	1100 m³/h	1 x 230 V / 50 Hz
79 002 2011	flexible exhaust arm	2 m	1100 m³/h	3 x 400 V / 50 Hz
79 003 2011	flexible exhaust arm	3 m	1100 m³/h	3 x 400 V / 50 Hz
79 004 2011	flexible exhaust arm	4 m	1100 m³/h	3 x 400 V / 50 Hz
79 502 2031	rigid metal tube arm	2 m	1100 m³/h	1 x 230 V / 50 Hz
79 503 2031	rigid metal tube arm	3 m	1100 m³/h	1 x 230 V / 50 Hz
79 504 2031	rigid metal tube arm	4 m	1100 m³/h	1 x 230 V / 50 Hz
79 502 2011	rigid metal tube arm	2 m	1100 m³/h	3 x 400 V / 50 Hz
79 503 2011	rigid metal tube arm	3 m	1100 m³/h	3 x 400 V / 50 Hz
79 504 2011	rigid metal tube arm	4 m	1100 m³/h	3 x 400 V / 50 Hz

Exhaust Set Eco - one-piece boom

Technical Data

Basic data	
Motor power	0,75 kW
Noise level	64.9 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Replacement Parts and Accessories

Art. No.	Description
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
141 7184	Column for extraction arm 5 to 7 m
141 7305	Column for extraction arm 7 to 10 m
79 103 048	Lighting kit consisting of The Hood Pro with cable set and transformer box (original equipment – when ordered in conjunction with an extraction arm)
79 103 034	Lighting kit consisting of The Hood Pro with cable set and transformer box (retrofit for existing extraction arm)

Applications

· High levels of smoke and particles

· Non-stop operation

· Where filtration is not essential

· Welding fumes, gases, vapours, light dusts

Properties

· Self-supported by internal springs

· As a flexible exhaust arm: Polyester fabric hose, PVC coated with welded steel wire spiral

· As a rigid metal tube arm: Powder-coated aluminum tube, three flexible hose sections

· 360° adjustable exhaust hood for flexible alignment

· Fan made of spark-proof, robust cast aluminium with a new impeller for higher performance and reduced noise level

Benefits

· Significantly quieter and more energy-efficient thanks to new eco fans with optimized airflow technology

· User-friendly due to particularly smooth movement of the hood with one hand

· Arm keeps position due to self-supporting design

· Less adjustment of the extraction arm thanks to the flow-optimized design of the new hood The Hood

· Reliable and ready for the future – meets today's and tomorrow's EU standards

Order Data

Art. No.	Description	Length of exhaust arm	Length of boom	Extraction capacity	Supply voltage
792052031	flexible exhaust arm	3 m	2 m	1100 m³/h	1 x 230 V / 50 Hz
792062031	flexible exhaust arm	4 m	2 m	1100 m³/h	1 x 230 V / 50 Hz
792072031	flexible exhaust arm	4 m	3 m	1100 m³/h	1 x 230 V / 50 Hz
792052011	flexible exhaust arm	3 m	2 m	1100 m³/h	3 x 400 V / 50 Hz
792062011	flexible exhaust arm	4 m	2 m	1100 m³/h	3 x 400 V / 50 Hz
792072011	flexible exhaust arm	4 m	3 m	1100 m³/h	3 x 400 V / 50 Hz
797052031	rigid metal tube arm	3 m	2 m	1100 m³/h	1 x 230 V / 50 Hz
797062031	rigid metal tube arm	4 m	2 m	1100 m³/h	1 x 230 V / 50 Hz
797072031	rigid metal tube arm	4 m	3 m	1100 m³/h	1 x 230 V / 50 Hz
797052011	rigid metal tube arm	3 m	2 m	1100 m³/h	3 x 400 V / 50 Hz
797062011	rigid metal tube arm	4 m	2 m	1100 m³/h	3 x 400 V / 50 Hz
797072011	rigid metal tube arm	4 m	3 m	1100 m³/h	3 x 400 V / 50 Hz

Exhaust Set Eco - two-piece boom

Technical Data

Basic data	
Motor power	0,75 kW
Noise level	64.9 dB(A)
Additional information	
Fan type	Radial fan
Diameter extraction arm	150 mm

Replacement Parts and Accessories

Art. No.	Description
79 103 00 02	Butterfly damper set for extraction hoods
127 2520	Protection mesh for exhaust hood
141 7184	Column for extraction arm 5 to 7 m
141 7305	Column for extraction arm 7 to 10 m
79 103 048	Lighting kit consisting of The Hood Pro with cable set and transformer box (original equipment – when ordered in conjunction with an extraction arm)
79 103 034	Lighting kit consisting of The Hood Pro with cable set and transformer box (retrofit for existing extraction arm)

Applications

· High levels of smoke and particles

· Non-stop operation

· Where filtration is not essential

· Welding fumes, gases, vapours, light dusts

Properties

· Self-supported by internal springs

· As a flexible exhaust arm: Polyester fabric hose, PVC coated with welded steel wire spiral

· As a rigid metal tube arm: Powder-coated aluminum tube, three flexible hose sections

· 360° adjustable exhaust hood for flexible alignment

· Fan made of spark-proof, robust cast aluminium with a new impeller for higher performance and reduced noise level

Benefits

· Significantly quieter and more energy-efficient thanks to new eco fans with optimized airflow technology

· User-friendly due to particularly smooth movement of the hood with one hand

· Arm keeps position due to self-supporting design

· Less adjustment of the extraction arm thanks to the flow-optimized design of the new hood The Hood

· Reliable and ready for the future – meets today's and tomorrow's EU standards

Order Data

Art. No.	Description	Length of exhaust arm	Length of boom	Extraction capacity	Supply voltage
793072031	flexible exhaust arm	4 m	2,5 + 1,5 m	1100 m³/h	1 x 230 V / 50 Hz
793082031	flexible exhaust arm	4 m	2,5 + 1,5 m	1100 m³/h	1 x 230 V / 50 Hz
794092031	flexible exhaust arm	3 m	4 + 2 m	1100 m³/h	1 x 230 V / 50 Hz
794102031	flexible exhaust arm	4 m	4 + 2 m	1100 m³/h	1 x 230 V / 50 Hz
793072011	flexible exhaust arm	3 m	2,5 + 1,5 m	1100 m³/h	3 x 400 V / 50 Hz
793082011	flexible exhaust arm	4 m	2,5 + 1,5 m	1100 m³/h	3 x 400 V / 50 Hz
794092011	flexible exhaust arm	3 m	4 + 2 m	1100 m³/h	3 x 400 V / 50 Hz
794102011	flexible exhaust arm	4 m	4 + 2 m	1100 m³/h	3 x 400 V / 50 Hz
798072031	rigid metal tube arm	3 m	2,5 + 1,5 m	1100 m³/h	1 x 230 V / 50 Hz
798082031	rigid metal tube arm	4 m	2,5 + 1,5 m	1100 m³/h	1 x 230 V / 50 Hz
799092031	rigid metal tube arm	3 m	4 + 2 m	1100 m³/h	1 x 230 V / 50 Hz
799102031	rigid metal tube arm	4 m	4 + 2 m	1100 m³/h	1 x 230 V / 50 Hz
798072011	rigid metal tube arm	3 m	2,5 + 1,5 m	1100 m³/h	3 x 400 V / 50 Hz
798082011	rigid metal tube arm	4 m	2,5 + 1,5 m	1100 m³/h	3 x 400 V / 50 Hz
799092011	rigid metal tube arm	3 m	4 + 2 m	1100 m³/h	3 x 400 V / 50 Hz
799102011	rigid metal tube arm	4 m	4 + 2 m	1100 m³/h	3 x 400 V / 50 Hz
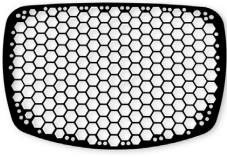
Replacement Parts and Accessories The Hood Pro / The Hood

Replacement mesh for the KEMPER exhaust hood

Art. No.	Description
127 2520	Protection mesh for exhaust hood
199 0036	Hose clamp set for capture hood and arms
199 0035	Brake disc set for capture hood (5 pieces)
140 0072	Outer edge protection set for extraction hoods
79 103 00 02	Butterfly damper set for extraction hoods
796 0419	Swivel joint set for capture hood, incl. fork head and screws
135 0352	Fork head set for extraction hoods
360 5552	Cable set suitable for extraction hood with lighting in 5 m length
360 5553	Cable set suitable for extraction hood with lighting in 10 m length
360 5554	Cable set suitable for extraction hood with lightingin 15 m length
199 0056	KEMPER LED lighting unit for The Hood Pro

Connecting material

For attaching a Ø 160 mm pipe or the Ø 160 mm exhaust air or connection pipe to the wall bracket for extraction arms, exhaust air sets and telescopic arms.
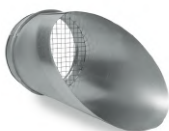
Art. No.	Description
93 018	Set of connecting material Ø160mm

Connecting pipe

Ø 160 mm out of multilayer aluminium foil, extendable from 1,25 m to 5 m max.

Art. No.	Description
93 200	Connecting pipe Ø160mm

Rubber seal set for extraction hoods and arms

Art. No.	Description
106 0290	Rubber seal set for extraction hoods and arms

Replacement hose for flexible exhaust arm

Replacement hoses for exhaust arms and telescopic exhaust arms. Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
114 0348	For exhaust arms 2,0 m, Ø150mm
114 0349	For exhaust arms 3,0 m, Ø150mm
114 0350	For exhaust arms 4,0 m, Ø150mm

Replacement hoses for rigid metal tube arms

Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
79 103 40	Set of replacement hoses (3 pcs.)

High temperature replacement hose for rigid metal tube exhaust arm

Polyester hose with PVC coating and an internal steel wire spiral.

Art. No.	Description
79 103 10	Set of HT hoses (3 pcs.)
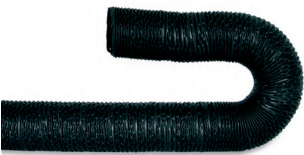
Replacement hose for telescopic exhaust arm

Polyester hose with PVC coating and an internal steel wire spiral

Art. No.	Description
93 081 107	Length 1,5 m for telescopic exhaust arms, Ø150mm
93 081 106	Length 2,0 m for telescopic exhaust arms, Ø150mm

Swivel joint

Art. No.	Description
79 003 04	Swivel joint for wall bracket with brake
79 003 02	Swivel joint for wall bracket

Motor protection switches

Art. No.	Description
94 170 119	Motor protection switch for fan Eco M · 1 x 230 V / 50 Hz · 0.75 kW
94 170 123	Motor protection switch for fan Eco M + L · 3 x 400 V / 50 Hz · 0.75 kW
94 170 117	Motor protection switch for fan Eco XL · 1 x 230 V / 50 Hz · 1.1 kW
94 170 121	Motor protection switch for fan Eco XL · 3 x 400 V / 50 Hz · 1.1 kW

Wall bracket for fan

Art. No.	Description
93 002	For 1 hose Ø100mm
93 001	For 1 hose Ø150mm
93 005	For 1 hose Ø160mm
93 003	For 2 hoses Ø100mm
93 004	For 2 hoses Ø150mm
93 006	For 2 hoses Ø160mm

Exhaust hose with nozzle Ø 100 mm

Art. No.	Description
93 082	Exhaust hose Ø100mm, length 6,0 m, incl. exhaust hood with magnetic foot
93 083	Exhaust hose Ø150mm, length 6,0 m, incl. exhaust hood with magnetic foot
79 110	The Hood with magnetic foot, including exhaust hose,Ø150mm, length 6.0 m
93 087	Exhaust hose, Ø250mm, length 6,0 m, incl. exhaust hood with magnetic foot
93 087 100	Exhaust hose Ø250mm, length 10,0 m, incl. exhaust hood with magnetic foot

The Hood with magnetic foot

Art. No.	Description
79 110	The Hood with magnetic foot, including exhaust hose,Ø150mm, length 6.0 m

Automatic start-stop

The KEMPER automatic start-stop automatically switches the fan on or off, as soon as the welding process has been started or finished. Fans and automatic start-stop sensor will be connected to the provided control-box, which will be mounted to a wall or a column.

Art. No.	Description
94 102	Automatic start-stop

Connecting material

For attaching a Ø 160 mm pipe or the Ø 160 mm exhaust air or connection pipe to the wall bracket for extraction arms, exhaust air sets and telescopic arms.

Art. No.	Description
93 018	Set of connecting material Ø160mm

Connecting pipe

Ø 160 mm out of multilayer aluminium foil, extendable from 1,25 m to 5 m max.

Art. No.	Description
93 200	Connecting pipe Ø160mm

Blow out piece

Blow out piece with bird protective mesh, galvanised, Ø 160 mm

Art. No.	Description
93 045	Blow out piece with bird protective mesh Ø160mm, galvanised

Silencer

For fans.

Art. No.	Description
93 051	Silencer Ø160mm for fans

Outgoing air hose

Art. No.	Description
93 084	Outgoing air hose, Ø160mm, length 6,0 m
93 088	Outgoing air hose Ø250mm, length 6,0 m

High vacuum extraction hose up to 85°C

Applications

- Extraction systems
- Laser technology
- Machine and plant construction

Properties

- Ultraflexible
- Axial and radial spring reinforcement
- Temperature range : 0°C to +85°C
- PVC extraction hose with material reinforcement by spring steel spiral

Order Data

Art. No.	Description
93 070 004	Length 2,5 m, Ø 45 mm
93 070 005	Length 5 m, Ø 45 mm
93 070 006	Length 10 m, Ø 45 mm

Suction and pressure hose up to 80°C

Applications

· Air conditioning and ventilation
· Welding fume/dust extraction

Properties

· PVC coated polyester fabric
· Very light and flexible
· Fire retardant and compressible
· Temperature range : 0°C to +80°C

Scope Of Supply

· Two hose clamps

Order Data

Art. No.	Description
114 0700	Length 2,5 m, Ø 150 mm
114 0701	Length 5 m, Ø 150 mm
114 0702	Length 7,5 m, Ø 150 mm
114 0703	Length 10 m, Ø 150 mm
114 0704	Length 2,5 m, Ø 160 mm
114 0705	Length 5 m, Ø 160 mm
114 0706	Length 7,5 m, Ø 160 mm
114 0707	Length 10 m, Ø 160 mm
114 0708	Length 2,5 m, Ø 200 mm
114 0709	Length 5 m, Ø 200 mm
114 0710	Length 7,5 m, Ø 200 mm
114 0711	Length 10 m, Ø 200 mm
114 0712	Length 2,5 m, Ø 250 mm
114 0713	Length 5 m, Ø 250 mm
114 0714	Length 7,5 m, Ø 250 mm
114 0715	Length 10 m, Ø 250 mm

Suction and pressure hose up to 100°C

Order Data

Art. No.	Description
114 0716	Length 2,5 m, Ø 150 mm
114 0717	Length 5 m, Ø 150 mm
114 0718	Length 7,5 m, Ø 150 mm
114 0719	Length 10 m, Ø 150 mm
114 0720	Length 2,5 m, Ø 160 mm
114 0721	Length 5 m, Ø 160 mm
114 0722	Length 7,5 m, Ø 160 mm
114 0723	Length 10 m, Ø 160 mm
114 0724	Length 2,5 m, Ø 200 mm
114 0725	Length 5 m, Ø 200 mm
114 0726	Length 7,5 m, Ø 200 mm
114 0727	Length 10 m, Ø 200 mm
114 0728	Length 2,5 m, Ø 250 mm
114 0729	Length 5 m, Ø 250 mm
114 0730	Length 7,5 m, Ø 250 mm
114 0731	Length 10 m, Ø 250 mm

Applications

· Extraction of dust and fine shavings
· Air conditioning and ventilation
· Welding fume/dust extraction

Properties

· PVC coated polyester fabric
· Very light and flexible
· Fire retardant and compressible
· Temperature range : up to + 100 °C
· Permanently antistatic (R<=10^8 Ohm)

Scope Of Supply

· Two hose clamps

High temperature hose up to 300°C

Applications

· Extraction of hot air or gases at exhaust systems
· Extraction of hot vapours and gases

Properties

· Fire retardant and compressible
· Ultraflexible
· Temperature range : -60 °C to +300°C, short term +350 °C
· Silicone-coated glass fibre fabric

Scope Of Supply

· Two hose clamps

Order Data

Art. No.	Description
114 0732	Length 2,5 m, Ø 150 mm
114 0733	Length 5 m, Ø 150 mm
114 0734	Length 7,5 m, Ø 150 mm
114 0735	Length 10 m, Ø 150 mm
114 0736	Length 2,5 m, Ø 160 mm
114 0737	Length 5 m, Ø 160 mm
114 0738	Length 7,5 m, Ø 160 mm
114 0739	Length 10 m, Ø 160 mm
114 0740	Length 2,5 m, Ø 200 mm
114 0741	Length 5 m, Ø 200 mm
114 0742	Length 7,5 m, Ø 200 mm
114 0743	Length 10 m, Ø 200 mm
114 0744	Length 2,5 m, Ø 250 mm
114 0745	Length 5 m, Ø 250 mm
114 0746	Length 7,5 m, Ø 250 mm
114 0747	Length 10 m, Ø 250 mm

Vehicle exhaust gas hoses up to 170°C
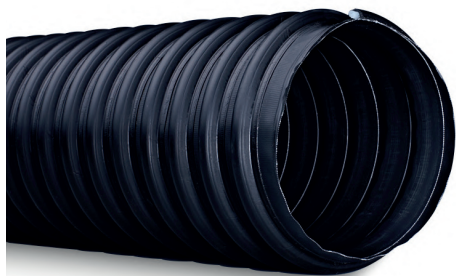
Order Data

Art. No.	Description
114 0825	Length 5 m, Ø 75 mm
114 0827	Length 10 m, Ø 75 mm
114 0829	Length 5 m, Ø 100 mm
114 0831	Length 10 m, Ø 100 mm
114 0765	Length 5 m, Ø 125 mm
114 0767	Length 10 m, Ø 125 mm
114 0769	Length 5 m, Ø 150 mm
114 0771	Length 10 m, Ø 150 mm
114 0833	Length 5 m, Ø 250 mm
114 0835	Length 10 m, Ø 250 mm

Applications

· Motor driven and spring operated hose reels, extraction rail channels as well as wall mounted units and vehicle exhaust extraction units for emission tests

Properties

· Scouring protection plate protects against abrasion at the outer layer
· Lightweight highflexible polyester thread with TPE-layer
· Resistant against oil, grease and solvents
· Temperature range : up to +150 °C, short term +170 °C

Scope Of Supply

· Two hose clamps

Vehicle exhaust gas hose up to 300 °C

Applications

· Extraction of exhaust gases up to max. +300°C
· Motor driven and spring operated hose reels, extraction rail channels as well as wall mounted units and vehicle exhaust extraction units for emission tests

Properties

· Scouring protection plate protects against abrasion at the outer layer
· Resistant against oil, grease and solvents
· Special coated, textile high temperature fabric
· Fire retardant and compressible

Scope Of Supply

· Two hose clamps

Order Data

Art. No.	Description
114 0776	Length 2,5m, Ø 75 mm
114 0777	Length 5 m, Ø 75 mm
114 0778	Length 7,5 m, Ø 75 mm
114 0779	Length 10 m, Ø 75 mm
114 0780	Length 2,5m, Ø 100 mm
114 0781	Length 5 m, Ø 100 mm
114 0782	Length 7,5 m, Ø 100 mm
114 0783	Length 10 m, Ø 102 mm
114 0784	Length 2,5 m, Ø 125 mm
114 0785	Length 5 m, Ø 125 mm
114 0786	Length 7,5 m, Ø 125 mm
114 0787	Length 10 m, Ø 125 mm
114 0788	Length 2,5 m, Ø 150 mm
114 0789	Length 5 m, Ø 150 mm
114 0790	Length 7,5 m, Ø 150 mm
114 0791	Length 10 m, Ø 150 mm
114 0792	Length 2,5 m, Ø 200 mm
114 0793	Length 5 m, Ø 200 mm
114 0794	Length 7,5 m, Ø 200 mm
114 0795	Length 10 m, Ø 200 mm
114 0836	Length 2,5 m, Ø 250 mm
114 0837	Length 5 m, Ø 250 mm
114 0838	Length 7,5 m, Ø 250 mm
114 0839	Length 10 m, Ø 250 mm

Exhaust Gas Hose/ High Temperature Hose up to 650°C

Applications

- Extraction of exhaust gases up to max. +650°C

Properties

- Scouring protection plate protects against abrasion at the outer layer
- Resistant against oil, grease and solvents
- Double ply high temperature fabric, reinforced with stainless steel wire
- Flame resistant

Scope Of Supply

- Two hose clamps

Order Data

Art. No.	Description
114 0796	Length 2,5m, Ø 75 mm
114 0797	Length 5m, Ø 75 mm
114 0798	Length 7,5m, Ø 75 mm
114 0799	Length 10 m, Ø 75 mm
114 0800	Length 2,5m, Ø 100 mm
114 0801	Length 5m, Ø 100 mm
114 0802	Length 7,5m, Ø 100 mm
114 0803	Length 10 m, Ø 100 mm
114 0804	Length 2,5m, Ø 125 mm
114 0805	Length 5m, Ø 125 mm
114 0806	Length 7,5m, Ø 125 mm
114 0807	Length 10 m, Ø 125 mm
114 0748	Length 2,5 m, Ø 150 mm
114 0749	Length 5 m, Ø 150 mm
114 0750	Length 7,5 m, Ø 150 mm
114 0751	Length 10 m, Ø 150 mm
114 0752	Length 2,5 m, Ø 160 mm
114 0753	Length 6 m, Ø 160 mm
114 0754	Length 7,5 m, Ø 160 mm
114 0755	Length 10 m, Ø 160 mm
114 0756	Length 2,5 m, Ø 200 mm
114 0757	Length 5 m, Ø 200 mm
114 0758	Length 7,5 m, Ø 200 mm
114 0759	Length 10 m, Ø 200 mm
114 0760	Length 2,5 m, Ø 250 mm
114 0761	Length 5 m, Ø 250 mm
114 0762	Length 7,5 m, Ø 250 mm
114 0763	Length 10 m, Ø 250 mm

Cleanable Filter

Central Suction And Filter Units

Accessories And Replacement Parts

Dusty Evo

Applications

- Low to medium levels of smoke and dust
- Nozzles, funnel and torch extraction
- Repair work
- Alternating work places

Properties

- Manual filter cleaning
- Cleaning indicator
- KemTex® ePTFE filter cartridge
- Portable and mobile
- Dust collection tray, 6L

Benefits

- For mobile use due to light weight
- Optimal adjustment to the welding process with stepless speed control

Accessories

- Automatic start-stop
- Tool tray with cup holder
- Suction hose
- Slot and funnel nozzle
- Connector for welding torches

Technical Data

Filter	
Filter stages	1
Filter method	Cleanable filter
Filter surface	1.35 m²
Type of filter	Filter cartridge
Filter efficiency	> 99.9 %
Dust classification	M
Basic data	
Extraction capacity	260 m³/h
Max. fan performance	360 m³/h
Dimensions (w x t x h)	410 x 472 x 1004 mm
Weight	29,5 kg
Motor power	1,6 kW
Power supply	1 x 230 V / 50 Hz / 60 Hz
Rated current	8,7 A
Noise level	74 dB(A)
Additional information	
Fan type	Suction turbine
Hose connection	Ø 45 mm / Ø 63 mm

Order Data

Art. No.	Description
63 200	Dusty Evo

Replacement Parts and Accessories

Art. No.	Description
109 0432	1,35 m² spare filter with KemTex® ePTFE membrane
149 0783	Tool tray with cup holder
94 102 702	Automatic Start-Stop module with 5 m connection cable
232 0010	Funnel nozzle flexible, with magnetic foot
232 0008	Slit nozzle, 300 mm, with magnetic foot
232 0009	Slit nozzle, 600 mm, with magnetic foot
93 070 004	High vacuum hose Ø 45 mm, 2.5 m long
93 070 005	High vacuum hose Ø 45 mm, 5.0 m long
93 070 006	High vacuum hose Ø 45 mm, 10.0 m long
106 0084	Adaptor for welding torches with integrated extraction 30 - 38 mm
106 0104	Adaptor for welding torches with integrated extraction 39 - 42 mm
106 0071	Adaptor for welding torches with integrated extraction 42 - 44 mm

VacuFil Compact

Applications

- Torch extraction
- Alternating work places

Benefits

- Stepless preselection of the extraction power for the use of various extraction torches
- Intuitive one-button operation, for use with gloves
- Outstanding price-performance ratio thanks to a wide range of additional features
- High extraction capacity by means of side channel blower
- Well suited for changing workplaces due to compact design

Properties

- Side channel blower
- Intuitive one-button operation
- Stepless air volume selection
- USB Type-A charging socket
- Compact design
- Monitoring of the extraction rate

Accessories

- Automatic start-stop
- Automatic air volume control
- Tool tray with cup holder
- Suction hose
- Slot and funnel nozzle
- Connector for welding torches

W3	IFA-certified welding smoke filter unit	W3
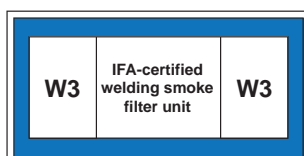
Technical Data

Filter

Filter stages	1
Filter surface	6.7 m²
Type of filter	Filter cartridge
Filter efficiency	> 99.9 %
Dust classification	M

Basic data

Dimensions (w x t x h)	589 x 625 x 1191 mm

Additional information

IFA-Certification	W3-Approved
Fan type	Side channel blower
Hose connection	Ø 45 mm
Air outlet	63 mm

Replacement Parts and Accessories

Art. No.	Description
109 0699	6,7 m² KemTex® ePTFE Membran filter cartridge
109 0676	6,7 m² KemTex PE-M Membran filter cartridge
149 0779	Single-use disposal container for VacuFil Compact
94 102 702	Automatic Start-Stop module with 5 m connection cable
118 0838	Volume flow control for VacuFil compact
149 0776	Tool tray with cup holder
232 0010	Funnel nozzle flexible, with magnetic foot
232 0008	Slit nozzle, 300 mm, with magnetic foot
232 0009	Slit nozzle, 600 mm, with magnetic foot
93 070 004	High vacuum hose Ø 45 mm, 2.5 m long
93 070 005	High vacuum hose Ø 45 mm, 5.0 m long
93 070 006	High vacuum hose Ø 45 mm, 10.0 m long
106 0084	Adaptor for welding torches with integrated extraction 30 - 38 mm
106 0104	Adaptor for welding torches with integrated extraction 39 - 42 mm
106 0071	Adaptor for welding torches with integrated extraction 42 - 44 mm

Order Data

Art. No.	Filter method	Supply voltage	Motor power	Extraction performance at 18000 Pa	Max. extraction capacity	Maximum vacuum
82 310	Storage Filter	1 x 230 V / 50 Hz	1.5 kW	50 m³/h	160 m³/h	24000 Pa
82 311	Storage Filter	3 x 400 V / 50 Hz	2.2 kW	100 m³/h	170 m³/h	31000 Pa
82 360	Cleanable filter	1 x 230 V / 50 Hz	1.5 kW	50 m³/h	160 m³/h	24000 Pa
82 361	Cleanable filter	3 x 400 V / 50 Hz	2.2 kW	100 m³/h	170 m³/h	31000 Pa

VacuFil Compact Twin

Applications

· High levels of smoke and particles
· Regular use
· Torch extraction
· For two work places
· Alternating work places

Benefits

· Stepless preselection of the extraction power for the use of various extraction torches
· Intuitive one-button operation, for use with gloves
· Outstanding price-performance ratio thanks to a wide range of additional features
· High flexibility thanks to two connections with NW45/63mm each
· Extensions can be integrated via interface

Properties

· Large filter surface
· Side channel blower
· KemTex® ePTFE filter cartridge
· Intuitive one-button operation
· Stepless air volume selection
· USB Type-A charging socket
· Compact design
· Monitoring of the extraction rate

Accessories

· Automatic start-stop
· Automatic air volume control
· Tool tray with cup holder
· Suction hose
· Slot and funnel nozzle
· Connector for welding torches

Certification submitted

W3 | IFA-certified welding smoke filter unit | W3

Technical Data

Filter

Filter stages	1
Filter method	Cleanable filter
Filter surface	6.7 m²
Type of filter	Filter cartridge
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99.9 %
Dust classification	M

Basic data

Max. extraction capacity	280 m³/h
Extraction performance at 18000 Pa	215 m³/h
Max. fan performance	280 m³/h
Dimensions (w x t x h)	692 x 1018 x 878 mm
Weight	93 kg
Motor power	3.8 kW
Rated current	8.1 A
Noise level	73 dB(A)

Additional information

IFA-Certification	Certification submitted
Fan type	Side channel blower
Compressed air supply	6 - 8 bar
Hose connection	Ø 2 x D = 45 / 63 mm
Air outlet	63 mm

Replacement Parts and Accessories

Art. No.	Description
109 0699	6,7 m² KemTex® ePTFE Membran filter cartridge
109 0676	6,7 m² KemTex PE-M Membran filter cartridge
94 102 702	Automatic Start-Stop module with 5 m connection cable
118 0838	Volume flow control for VacuFil compact
149 0776	Tool tray with cup holder
149 0775	Single-use disposal container for VacuFil Compact Twin

Order Data

Art. No.	Filter method	Supply voltage	Motor power	Extraction performance at 18000 Pa	Max. extraction capacity	Maximum vacuum
82 380	Cleanable filter	3 x 400 V / 50 Hz	3.8 kW	215 m³/h	280 m³/h	32000 Pa

VacuFil 500

Applications

- High levels of smoke and particles
- Non-stop operation
- Torch extraction, robot extraction
- Suction nozzles or high vacuum exhaust arms

Properties

- Dust collection container
- Side channel blower
- KemTex® ePTFE filter cartridge
- 4 x 45mm and 1 x 100mm hose/duct connector

Benefits

- Great flexibility in version with four separate connections
- Uninterrupted continuous operation due to automatically controlled filter cleaning

Accessories

- Automatic start-stop
- Suction hose
- Slot and funnel nozzle
- Connector for welding torches

Technical Data

Filter	
Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	10 m²
Type of filter	Filter cartridge
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99.9 %
Dust classification	M
Basic data	
Extraction capacity	500 m³/h
Max. fan performance	700 m³/h
Fan performance	680 m³/h
Dimensions (w x t x h)	655 x 1197 x 1377 mm
Weight	270 kg
Motor power	5,5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	12.9 A
Noise level	74 dB(A)
Additional information	
Fan type	Side channel blower
Compressed air supply	5 - 6 bar
Capacity Dust collection container	40 l

Order Data

Art. No.	Description
82 755	High vacuum welding smoke extraction unit VacuFil 500
82 756	High vacuum extraction system with automatic flow rate adjustment

Replacement Parts and Accessories

Art. No.	Description
109 0440	10 m² KemTex® ePTFE membrane cartridge filter
94 102 704	Automatic start-stop sensor, 5 m connection cable
119 0893	Dust bag for VacuFil 500

VacuFil 2000 / 4000

Applications

- High levels of smoke and dust
- Welding torch extraction, nozzles and high vacuum exhaust arms
- Large welding shops or training centres

Properties

- Automatic filter cleaning, pressure-controlled
- Side channel blower
- Control via touch screen
- KemTex® ePTFE filter cartridges
- Dust collection container with pneumatic lifting device
- Automatic suction power regulation

Benefits

- Easy installation since unit is delivered ready to plug in ("plug and play")
- Contamination-free dust collection due to compressed air fixation of dust collection containers
- Particularly space-saving system due to very compact design
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Considerable energy cost savings by using the automatic extraction volume control
- Convenient operation due to intelligent control via touch screen with diagnostic system
- Flexible integration of the control system into third-party systems such as cutting equipment due to potential-free contacts

Technical Data

Filter

Filter stages	1
Filter method	Cleanable filter
Filter material	PTFE-membrane
Filter efficiency	> 99.99 %
Dust classification	M

Basic data

Vacuum min.	9000 Pa
Vacuum	9000 - 21000 Pa
Working pressure in PA	21000 Pa
Dimensions (w x t x h)	1470 x 1870 x 2575 mm
Power supply	3 x 400 V / 50 Hz

Additional information

Fan type	Side channel blower, controlled by frequency inverter
Compressed air supply	5 - 6 bar
Air outlet	315 mm
Air intake	315 mm

Accessories

- Silencer
- External On/Off
- Spark separator – SparkTrap

Order Data

Art. No.	Description
82 820	VacuFil 2000 - Extraction capacity 100 – 2.000 m³/h
82 840	VacuFil 4000 - Extraction capacity 200 - 4.000 m³/h
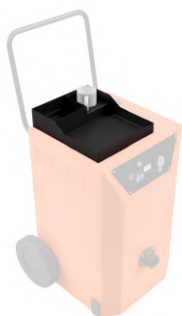
Accessories and spare parts for VacuFil Compact/ VacuFil Compact Twin

Art. No.	Description
118 0838	Volume flow control for VacuFil Compact
149 0776	Tool tray with cup holder for VacuFil Compact

Spare filter for VacuFil Compact / VacuFil Compact Twin

Art. No.	Description
109 0699	6,7 m² KemTex® ePTFE Membran filter cartridge
109 0676	6,7 m² KemTex® PE-M Membran filter cartridge
109 0472	Pre-filter mats (10 per set)
149 0779	Single-use disposal container for VacuFil Compact
149 0775	Single-use disposal container for VacuFil Compact Twin

Spare filter for VacuFil 500

Art. No.	Description
109 0440	10 m² KemTex® ePTFE membrane cartridge filter
119 0893	Dust bag for VacuFil 500

Automatic Start-Stop

Automatic start-stop for mobile extraction units

Art. No.	Description
94 102 702	Automatic start-stop sensor, 5 m connection cable
94 102 704	For VacuFil 500: Automatic start-stop sensor, 5 m connection cable

Slit nozzle

Art. No.	Description
232 0008	Slit nozzle, 300 mm, with magnetic foot
232 0009	Slit nozzle, 600 mm, with magnetic foot

Funnel nozzle

Art. No.	Description
232 0010	Funnel nozzle flexible, with magnetic foot

Adaptor for welding torch

For connection with a hose, Ø 45 mm

Art. No.	Description
106 0084	Adaptor for welding torches with integrated extraction 30-38 mm
106 0104	Adaptor for welding torches with integrated extraction 39-42 mm
106 0071	Adaptor for welding torches with integrated extraction 42-44 mm

Principle of layer ventilation

Air monitoring

Mixed ventilation

General ventilation system concepts

Air monitoring

Accessories And Replacement Parts

AirDome

Applications

- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- Workstations, Workshops, Logistic and distribution centres
- Energy-saving general ventilation

Properties

- EC fans with IE5 motors exceed legal efficiency requirements and set new standards in energy efficiency
- Automatic filter cleaning
- Available in different voltage versions
- Hardly any air turbulence enables work in the immediate vicinity without draughts
- Lifting eyes & forklift pockets
- Optimised air routing ensures low noise levels and increased efficiency
- Effective baffle plates for spark pre-separation
- Contamination -free dust disposal in one-way containers.
- Displacement flow principle, recommended by health and safety bodies

Benefits

- State-of-the-art EC technology adapts to demand and therefore runs particularly energy-efficiently - saves operating costs and protects the environment
- Optimum capture height - extraction takes place at the exact height at which the welding fumes accumulate
- Space-saving, innovative design - minimum footprint with maximum performance
- Status check via large illuminated display (optional) - For easy monitoring of the operating status
- A space-saving miracle with an extreme 20,000 m³/h extraction capacity on a 1.5 m² footprint
- Extremely easy to maintain thanks to maintenance-free fans and convenient access thanks to the large maintenance door
- Extremely high volume flow - ideal for demanding applications
- Low risk potential due to foreign bodies
- Constant air flow guarantees a constant level of clean air
- Safe transport and easy installation thanks to lifting eyes & forklift pockets
- Minimization of heating costs due to air recirculation and air distribution
- Enormously long filter lifetime due to optimised air flow
- 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 dust collection bin

Technical Data

Filter

Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	30 m²
Number filter elements	6
Filter surface total	180 m²
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99,9 %
Dust classification	M

Basic data

Max. fan performance	28000 m³/h
Extraction capacity	8000 - 20000 m³/h
height	4100 mm
Dimensions (w x t x h)	1250 x 1250 x 4038 mm
Weight	875 kg
Motor power	15,4 kW
Rated current	23.5 A
Control voltage	24 V, DC
Noise level	72 dB(A)

Additional information

Fan type	Radial fan, direct driven
Compressed air supply	5 - 6 bar
Capacity Dust collection container	30 l

Order Data

Art. No.	Description
390 650	3 x 400 V / 50 Hz

Replacement Parts and Accessories

Art. No.	Description
109 0729	20 m² KemTex® ePTFE membrane cartridge filter
199 0050	Set of clean air outlet pre-filter mats
119 0335	Disposal bucket set incl. lid (4 pieces)

CleanAirTower

Applications

- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- Workstations, Workshops, Logistic and distribution centres

Properties

- Automatic filter cleaning
- Effective baffle plates for spark pre-separation
- KEMPER-Cloud connection via mobile network*
- Contamination -free dust disposal in one-way containers.
- Optimised airflow
- Pinball method and tornado principle
- Displacement flow principle, recommended by health and safety bodies
- System barely generates air turbulence

Benefits

- Low risk potential due to foreign bodies
- Effective energy reduction of possible sparks and particles by the pinball method with 7 or more collision points
- Effective efficiency through tornado principle
- Minimization of heating costs due to air recirculation and air distribution
- Enormously long filter lifetime due to optimised air flow
- Increased safety with contamination-free dust disposal
- Cost-effective installation or retrofit, as no ductwork is needed
- New head element can be retrofitted to existing systems
- Safe transportation and easy installation by crane eyes
- Permanent operation by means of automatic dust disposal in dust collection bin

Accessories

- AirWatch

Technical Data

Filter

Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Number filter elements	3
Filter surface total	60 m²
Filter material	PTFE-membrane
Filter efficiency	> 99.9 %
Dust classification	M

Basic data

Extraction capacity	6000 m³/h
Max. fan performance	10800 m³/h
height	3617 mm
Diameter	1172 mm
Weight	666 kg
Motor power	5.5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	11 A
Control voltage	24 V, DC
Noise level	72 dB(A)

Additional information

Fan type	Radial fan, direct driven
Compressed air supply	5 - 6 bar
Capacity Dust collection container	10 l

Order Data

Art. No.	Description
390 620	CleanAirTower - Cleanable filter

Replacement Parts and Accessories

Art. No.	Description
109 0447	20 m² KemTex® ePTFE membrane cartridge filter
149 0717	Dust collection bin (set of 3) / from 2017 onwards

CleanAirTower SF 9000

Applications

- Low to medium levels of smoke and dust
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- Workstations, Workshops, Logistic and distribution centres

Properties

- 360 degree extraction radius
- KEMPER-Cloud connection via mobile network*
- Slow, low-impulse air circulation
- Displacement flow principle, recommended by health and safety bodies
- Control via touch panel
- System barely generates air turbulence
- TurboBoost Function

Benefits

- Low risk potential due to foreign bodies
- Fleet management, remote maintenance and pre-noise maintenance using autarkic networking via mobile radio to the KEMPER cloud*
- Minimization of heating costs due to air recirculation and air distribution
- Cost-effective installation or retrofit, as no ductwork is needed
- Short-term increase in extraction performance due to TurboBoost function

Technical Data

Filter	
Filter stages	2
Filter method	Storage Filter
Filter surface	100 m²
Filter material	nano-cellulose
Filter efficiency	> 99.9 %
Dust classification	M
Basic data	
Extraction capacity	9000 m³/h
Max. fan performance	11000 m³/h
height	3050 mm
Diameter	1172 mm
Weight	446 kg
Motor power	5.7 kW
Power supply	3 x 400 V / 50 Hz
Rated current	9 A
Control voltage	24 V, DC
Noise level	70 dB(A)
Additional information	
Fan type	Centrifugal fan with EC motor

Order Data

Art. No.	Description
390 450	CleanAirTower SF 9000

* Cloud function: Cloud use free of charge of 6 months

Replacement Parts and Accessories

Art. No.	Description
390 45 001	Main filter 100 m²
109 0549	Aluminum pre-filter

AirWatch

Applications

- Monitoring and documentation of air quality/dust concentration*
- Workstations, production halls, logistic halls and warehouses
- Efficient control of room-ventilation and extraction systems*

Properties

- Visual, laser-operated measurement methods
- Individually adjustable limit values and alarm thresholds*
- Fleet management via cloud connection*
- Extensive evaluation options in the dashboard*
- Displays particle count, size distribution as PM2.5 and PM10 on smartphone, tablet and PC*
- KEMPER-Cloud connection via mobile network*

Benefits

- Visual display of the limit values by LED light area (green, yellow, red)
- Documentation through detailed measurements and storage of the data in the KEMPER Cloud*.
- Presentation of the effectiveness of occupational safety measures on the AirWatch itself or in the KEMPER Cloud*
- Energy cost savings through demand-oriented ventilation control of KEMPER general ventilation systems

Technical Data

Basic data	
Diameter	128 mm
Dimensions (D x H)	128 x 340 mm
Weight	2.9 kg
Power supply	1x100-240 V, 50/60 Hz
Power	10 W
Noise level	30 dB(A)
Radio standard	2G/3G/4G

Order Data

Art. No.	Description
390 200	AirWatch

* Cloud function: Cloud use free of charge of 6 months

Replacement Parts and Accessories

Art. No.	Description
390 251	Telescopic tripod for AirWatch

Dustlight

Technical Data

Basic data	
Dimensions (w x t x h)	69 x 32.5 x 69 mm
Weight	144 g
Radio standard	wireless connection
Measurement range	A-dust - PM1, PM2.5, PM10
Power supply	USB power adapter (5 V / 1 A)

Order Data

Art. No.	Description
390 300	Dustlight

Replacement Parts and Accessories

Art. No.	Description
390 350	Click-Fast chest strap Dustlight
390 351	Click-Fast wristband Dustlight
999 730 21	Business Version renewal – 1 year
999 730 23	Business Version renewal – 3 years
999 730 25	Business Version renewal – 5 years
390 370	Dustlight service kit (service performed by customer)
999 720 16	Kemper Dustlight service (service performed by Kemper)

Applications

- Monitoring and documentation of air quality/dust concentration
- Monitoring directly at the workplace or employee
- Universally applicable for all common welding processes

Properties

- Welding fume calibration permanently included
- 12 months Business App free of charge: incl. cloud storage & extended reporting
- Optical, laser-based measurement method
- Individually adjustable limit values and alarm thresholds
- Extensive evaluation options in the Dustlight (web) app
- Display of particle count, size distribution according to PM1, PM2.5, PM4 and PM10 in the Dustlight (web) app
- Click-Fast Clip for quick and easy attachment

Benefits

- Real-time display of dust exposure via visual colour codes (green, yellow, red)
- Documentation via detailed measurements and storage of data in the Dustlight (web) app
- Demonstration of the effectiveness of occupational safety measures for employees
- Raising employee awareness of air quality in the workplace
- Data-based monitoring to optimise air quality

KemJet

Applications

- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- For large work pieces or where work positions are well separated

Properties

- Automatic filter cleaning, pressure-controlled
- Control via touch screen
- KemTex® ePTFE filter cartridges
- Dust collection container with pneumatic lifting device
- High-performance nozzles adjustable by 30 degrees

Benefits

- Cleaned air distribution adaptable to the location of the plant as high-performance nozzles are adjustable by 30 degrees
- Contamination-free dust collection due to compressed air fixation of dust collection containers
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Various outlet heights possible by using different pipe lengths
- Little noise emission due to a low noise level
- Heating costs minimised by air recirculation
- Quick and simple to set up
- Convenient operation due to intelligent control via touch screen with diagnostic system

Accessories

- External On/Off
- AirWatch
- Stanchion support
- Wall-mounting kit

W3	IFA-certified welding smoke filter unit	W3

KemJet 6000

KemJet general ventilation system with maximum extraction capacity of 6,000 m³/h. An installation of this size has a total filter area of 60 m² and ducts for the extraction over a length of 1 x 6,000 mm. The blow-out angle of the 10 individual nozzles can be individually adjusted by 30 degrees each and the cleaned air is returned up to 30 metres into the room.
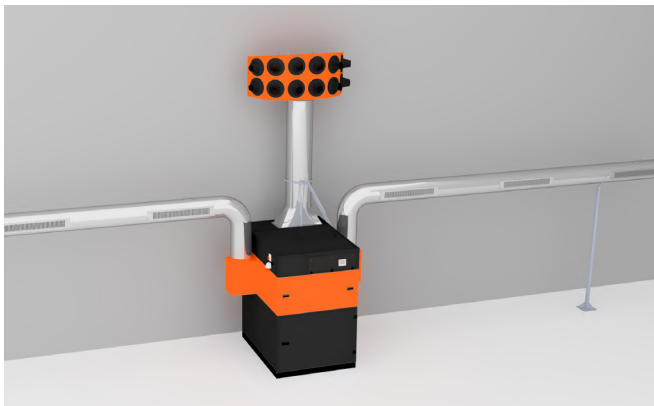
KemJet 9000

KemJet general ventilation system with maximum extraction capacity of 9,000 m³/h. An installation of this size has a total filter area of 90 m² and ducts for the extraction over a length of 2 x 6,000 mm. The blow-out angle of the 12 individual nozzles can be individually adjusted by 30 degrees each and the cleaned air is returned up to 38 metres into the room.

KemJet 13000

KemJet general ventilation system with maximum extraction capacity of 13,000 m³/h. An installation of this size has a total filter area of 120 m² and ducts for the extraction over a length of 2 x 9,000 mm. The blow-out angle of the 10 individual nozzles can be individually adjusted by 30 degrees each and the cleaned air is returned up to 45 metres into the room.

Order Data

Art. No.	Extraction capacity	Filter surface total	Length of extraction duct	Nozzles	Air nozzles, range
99 880 0407	6000 m³/h	60 m²	6000 mm	10 x 200 mm	approx. 30 m
99 880 0401	9000 m³/h	90 m²	2 x 6.000 mm	12 x 200 mm	approx. 38 m
99 880 0414	13000 m³/h	120 m²	2 x 9.000 mm	10 x 250 mm	approx. 45 m

Push-Pull-System
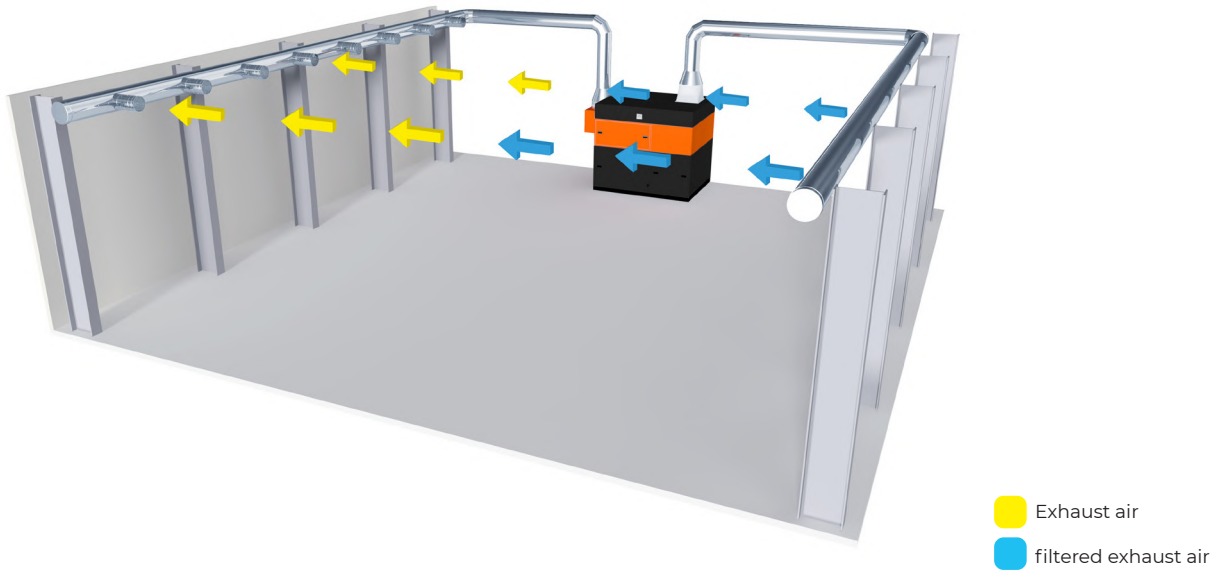
■ Exhaust air

■ filtered exhaust air

Applications

- Low to medium levels of smoke and dust
- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- For large work pieces or where work positions are well separated

Benefits

- Flexibly expandable by additional piping
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Heating costs minimised by air recirculation
- Convenient operation due to intelligent control via touch screen with diagnostic system
- Contamination free dust collection due to compressed air lift for duct collection container

Mode of operation

- Outlet and inlet pipes (push-pull) are mounted opposite each other at a height of 4-6 m and connected to a central filter system
- Contaminated, warm air rises and by the air flow from the outlet pipe is moved in a controlled manner towards the inlet
- Contaminated air is extracted via the inlets and purified in the filter system
- The clean air returns to the factory building via the outlets so the veil of smoke disappears

Accessories

- External On/Off
- AirWatch

Displacement Ventilation

■ Exhaust air

■ filtered exhaust air
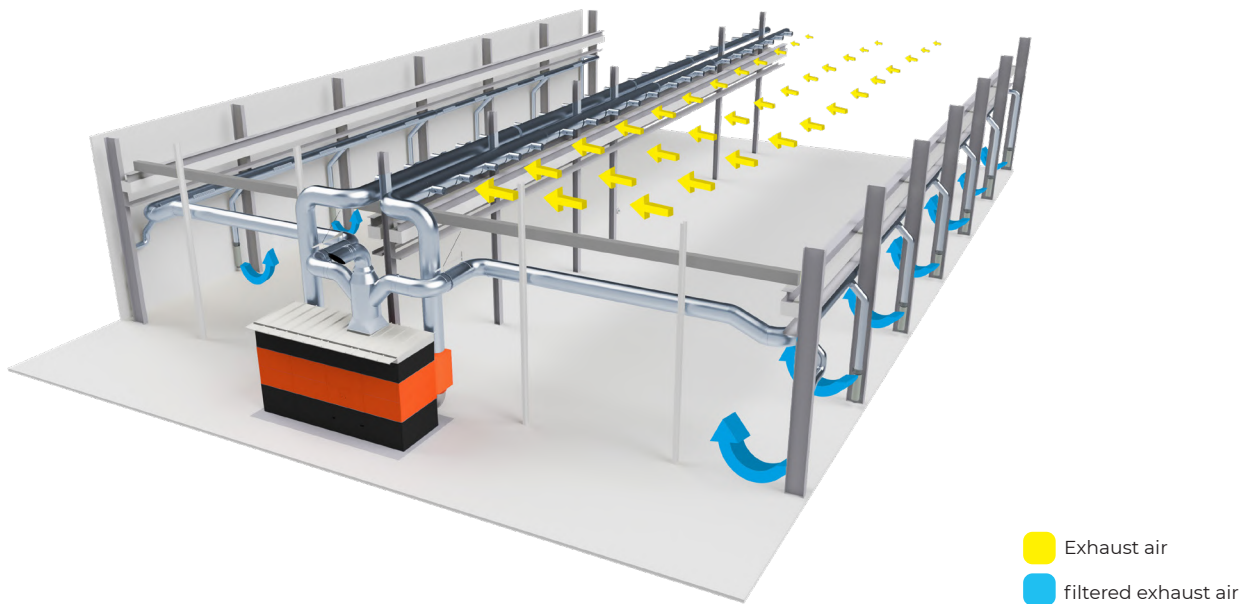
Applications

- Medium to high levels of smoke and dust
- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- For large work pieces or where work positions are well separated

Benefits

- Optimised, low velocity air flow by using thermal air currents
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Can be adapted to specific work areas due to a flexible number of outlet pipes
- Heating costs minimized by air recirculation
- Convenient operation due to intelligent control via touch screen with diagnostic system
- Contamination free dust collection due to compressed air lift for duct collection container

Mode of operation

- Outlet pipes are installed close to the floor, inlet pipes at a height of 4-6 m and connected to a central extraction and filter system
- Contaminated, warm air rises, is collected through the inlet pipes and cleaned in the filter unit
- The purified, clean air exits from the outlet pipes at low velocity near the floor
- The warm, fresh air displaces the welding fumes towards the inlet pipes and at the workplaces a constant, circulating air stream is created

Accessories

- External On/Off
- AirWatch

KEMPER-Connect

General ventilation systems will become industry 4.0 capable with new sensor technology and the cloud-based control portal KEMPER-Connect. The portal networks extraction systems, general ventilation systems and other machines on the basis of mobile phone connectivity. You get an overview of relevant process data in real time in various dashboards. For central room ventilation systems, this includes important information such as motor temperature, differential pressure, motor power, operating hours and status messages.

Predictive maintenance becomes a reality and operational and failure safety is improved. Simple networking with other devices and the AirWatch room air monitoring system also enables machine-to-machine communication with adjustable, control-based processes.

Advantages

- Autarkic networking via mobile phone technology (no intervention in company networks necessary)
- Overview of relevant process data in real-time in the cloud
- Better control over installations - regardless of location
- Service and diagnosis conveniently via remote access
- Reduced downtime of filter systems through predictive maintenance
- Machine-to-machine communication
- Rule-based functions for the automation of extraction technology
- Fleet Management

Accessories and spare parts for AirDome

Art. No.	Description
109 0729	30 m² KemTex® ePTFE membrane cartridge filter
199 0050	Set of clean air outlet pre-filter mats
119 0335	Disposal bucket set incl. lid (4 pieces)

Accessories and spare parts for AirWatch and Dustlight

Art. No.	Description
390 251	Telescopic tripod for AirWatch
390 350	Click-Fast chest strap Dustlight
390 351	Click-Fast wristband Dustlight

Accessories and spare parts for CleanAirTower SF

Art. No.	Description
390 45 001	Main filter 100 m²
109 0549	Prefilter mat made of a knitted aluminium wire mesh for CleanAirTower SF

Accessories and spare parts for CleanAirTower

Art. No.	Description
109 0447	20 m² KemTex® ePTFE membrane cartridge filter
109 0541	Aluminium pre-filter set, 8 pre-filters per set (For type 390600)
149 0675	Dust collection bin (set of 3) / up to 2016
149 0717	Dust collection bin (set of 3) / from 2017 onwards

Accessories and spare parts for KemtJet

Art. No.	Description
109 0440	10 m² KemTex® ePTFE membrane cartridge filter
119 0335	Disposal bucket set incl. lid (4 pieces)
119 0139	Set of anti-static bin bags (Set of 10)

Overview

Central Suction And Filter Units

Extension for extraction systems

Surface filtration with KemTex® ePTFE membrane filters

Optimal for welding and cutting

Within the framework of the WELDOX study, which was carried out in cooperation with employers' liability insurance associations and the German Institute for Occupational Safety and Health of the DGUV (IFA), measurements of the particle sizes of welding fumes were carried out in 33 companies.

The median value of the particle size of welding fumes was between 20 and 180 nanometres. Particularly fine particles, on average around 20 - 70 nm, were found in TIG welding. In MAG and MIG welding processes, the median value was between 40 and 200 nm.

In the welding fume plume, between 100,000 and 200,000 particles per cm^3 were counted. This means that welding fume particles are generally alveolar and the limit values for the A-dust fraction apply. The finest particles can also penetrate cell walls and spread throughout the body via the bloodstream. This is why a high degree of separation is so important even against the finest particles such as welding fumes.

☐ KemTex ePTFE-Membrane   🟨 Exhaust air

▦ Polyester-fibre fleece   🟦 filtered exhaust air

Only particles that have not penetrated the filter medium can be cleaned off again. Therefore their separation is necessary on the filter surface at this stage.

This is optimally achieved by our thin KemTex® ePTFE membrane. It has a unique microstructure of billions of randomly arranged pores. The membrane is supported by a polyester fibre fleece on which it is thermally bonded.

Due to the finest fibres and pores of the KemTex® ePTFE membrane, even particles down to about 100 nanometres are effectively separated. Thus an effective surface filtration and with good cleanability is achieved.

Filter cartridges

Properties
- Large pleat distance while having the same filter area per cartridge
- Flexible filter pleats support filter cleaning
- Even and gentle cleaning using rotating nozzle
- Vertical installation in filter systems

Benefits
- Less choking up of the filter pleats due to larger distance between pleats
- Very long service life of the filter elements and rotating nozzles
- Cost savings through optimal cleaning properties
- Less dust deposition due to being vertically installed

Automatic cleaning
- Pressure-controlled breath-responsive cleaning by compressed air
- A blast of compressed air from the integrated compressed air tank sets the rotating nozzle in motion
- The rotational movement of the rotating nozzle creates an even flow
- This achieves optimal cleaning performance of the KemTex® ePTFE filter cartridges

Central extraction and filter systems in detail
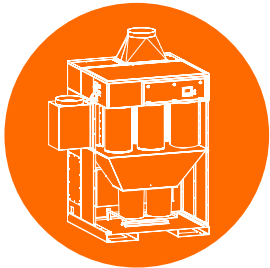
How it works

The polluted air is extracted via a duct, while the dust is separated on the surface of the filter medium. When the filters are saturated, the filters are automatically cleaned by compressed air as required. The repelled dust falls in a connection into a dust collection container and the clean air is returned back to room again.

The filter technology

Our KemTex® ePTFE membrane filters with special ePTFE layer are used in central filter systems. They have an excellent cleaning process and long filter service life. The unique microstructure of billions of randomly arranged pores also ensures the seperation of ultrafine nanoparticles down to 100 nanometres.
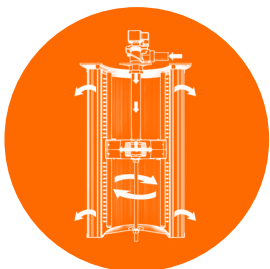
The cleaning

The surface filtration enables an efficient cleaning of the used filter cartridges. The filter cartridges are cleaned automatically and as required by means of compressed air, while the dust sitting on the surface separates from the filter medium and falls into a dust collection container.
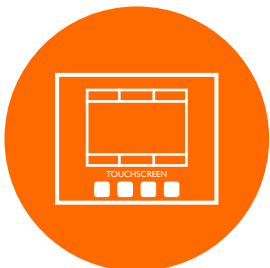
Other special features

- Intelligent control with touch screen
- Diagnostic system and analysis function with various sensors to monitor the proper functioning of the installation
- Potential-free contacts for receiving an external on/off signal
- WeldFil Compact Plug & Play ready for connection with 16A CEE plug

WeldFil Compact

Applications

- High levels of smoke and dust
- Welding and grinding shops
- Training centres and robotic welding lines
- Laser, plasma and flame cutting systems
- Can be installed outdoors

Benefits

- Contamination-free dust collection due to compressed air fixation of dust collection containers
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Little noise emission due to a low noise level
- Quick and simple set up, delivered ready to plug in with forklift pockets and lifting eyes
- Considerable energy cost savings by using the automatic extraction volume control
- Convenient operation due to intelligent control via touch screen with diagnostic system
- Flexible integration of the control system into third-party systems such as cutting equipment due to potential-free contacts
- Best health protection for employees by use of KemTex® ePTFE cartridges with surface filtration

Properties

- Automatic filter cleaning, pressure-controlled
- Control via touch screen
- KemTex® ePTFE filter cartridges
- Dust collection container with pneumatic lifting device
- Preassembled and ready to plug in
- Forklift bags

Accessories

- Automatic extraction volume control
- External On/Off
- Fleet management, remote maintenance and pre-noise maintenance using autarkic networking via mobile radio to the KEMPER cloud
- Spark separator – SparkTrap
- Weatherproof housing for outdoor installation

| W3 | IFA-certified welding smoke filter unit | W3 |

Order information WeldFil Compact (Plug & Play pre-assembled)

Art. No.	Extraction capacity	Vacuum	Filter surface total	Motor power	Dimensions (w x t x h)
34 20	1250 - 2160 m³/h	2650 - 1950 Pa	30 m²	3 kW	962 x 962 x 2110 mm
34 30	2000 - 2880 m³/h	2450 - 1750 Pa	40 m²	3 kW	962 x 1413 x 2110 mm
34 40	2750 - 3960 m³/h	2650 - 1800 Pa	60 m²	4 kW	1413 x 1413 x 2110 mm
34 50	3500 - 5040 m³/h	2300 - 1750 Pa	70 m²	5,5 kW	1413 x 1864 x 2110 mm
34 65	4500 - 6480 m³/h	2300 - 1750 Pa	90 m²	5,5 kW	1413 x 1864 x 2110 mm
34 75	5250 - 7560 m³/h	2500 - 1800 Pa	100 m²	7.5 kW	1413 x 1413 x 2784 mm
34 85	6000 - 8640 m³/h	2400 - 1950 Pa	120 m²	7.5 kW	2378 x 1864 x 2110 mm

WeldFil

Applications

- High levels of smoke and dust
- Training centres and robotic welding lines
- Laser, plasma and flame cutting systems
- Can be installed outdoors
- Welding and grinding shops

Benefits

- Contamination-free dust collection due to compressed air fixation of dust collection containers
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Little noise emission due to a low noise level
- Expandable due to simple modular construction
- Considerable energy cost savings by using the automatic extraction volume control
- Convenient operation due to intelligent control via touch screen with diagnostic system
- Flexible integration of the control system into third-party systems such as cutting equipment due to potential-free contacts
- Best health protection for employees by use of KemTex® ePTFE cartridges with surface filtration

Properties

- Automatic filter cleaning, pressure-controlled
- Control via touch screen
- KemTex® ePTFE filter cartridges
- Dust collection container with pneumatic lifting device
- Modular design
- Automatic extraction volume control (optional)

Accessories

- Automatic extraction volume control
- External On/Off
- Fleet management, remote maintenance and pre-noise maintenance using autarkic networking via mobile radio to the KEMPER cloud
- Spark separator – SparkTrap
- Weatherproof housing for outdoor installation

| W3 | IFA-certified welding smoke filter unit | W3 |

Order information WeldFil Compact (Plug & Play pre-assembled)

Art. No.	Extraction capacity	Vacuum	Filter surface total	Motor power	Dimensions (w x t x h)
34 110	7500 - 10800 m³/h	2450 - 1750 Pa	140 m²	11 kW	2826 x 1864 x 2670 mm
34 130	9000 - 12960 m³/h	2250 - 1500 Pa	180 m²	11 kW	2826 x 1864 x 2670 mm
34 160	11000 - 15840 m³/h	2330 - 1600 Pa	220 m²	11 kW	4239 x 1864 x 2670 mm
34 180	12000 - 17280 m³/h	2550 - 1800 Pa	240 m²	15 kW	4239 x 1864 x 2670 mm
34 200	13500 - 19440 m³/h	2250 - 1600 Pa	260 m²	15 kW	4239 x 1864 x 2670 mm
34 220	15000 - 21600 m³/h	2550 - 1800 Pa	300 m²	18.5 kW	4239 x 1864 x 2670 mm
34 240	16500 - 23760 m³/h	2250 - 1800 Pa	320 m²	18.5 kW	4239 x 1864 x 2670 mm
34 270	18500 - 26640 m³/h	2250 - 1800 Pa	360 m²	22 kW	4239 x 1864 x 2670 mm

KEMPER® automation

Welding and cutting technologies efficiently thought out

PlasmaFil

The PlasmaFil filter system was developed specifically for plasma and flame cutting processes. It is ideal for medium amounts of smoke and dust and is connected directly to the cutting table via ductwork – for efficient extraction and clean working conditions.

LaserFil

The LaserFil filter system is specially designed for laser cutting processes and reliably handles medium amounts of fumes and dust. It offers powerful, process-optimised extraction performance and is connected directly to the laser cabin via various ductwork options – for effective coverage of the entire work area.

ArcFil

The ArcFil filter system is specially designed for medium amounts of fumes and dust in robotic welding applications. It is delivered ready to plug in, has a compact design and is ready for use in just a few seconds. Its high extraction capacity makes it ideal for processes such as laser welding and it is connected directly to an extraction hood or cabin that covers the entire working area of the robot.

Properties

- Automatic filter cleaning on required basis
- KemTex PE-M Cartridge Filter
- Highly effective and uniform filter cleaning by means of rotary nozzle
- Easy to use: Intuitive & ergonomic one-button operation
- Quick and easy installation thanks to user-friendly preparation
- Low space requirement due to compact design

Benefits

- Contamination-free dust collection due to lever fixing of the dust collection container
- Considerable energy cost savings by using the optional automatic volume control through demand-based extraction capacity regulation
- Uninterrupted continuous operation due to automatic, demand-oriented filter cleaning

Accessories

- Automatic air flow control, can be retrofitted at any time
- Automatic start/stop using contact
- Spark separator – SparkTrap

PlasmaFil Pro

PlasmaFil Pro is the powerful solution for large amounts of fumes and dust in plasma and flame cutting processes. Equipped with highly effective KemTex® ePTFE filter cartridges and a compact touchscreen display for easy control, it offers maximum filter performance and ease of use. It is connected directly to the cutting table via ductwork.

LaserFil Pro

Specially developed for demanding laser cutting processes, the LaserFil Pro also reliably handles large amounts of fumes and dust. The integrated KemTex® ePTFE filter cartridges ensure particularly efficient separation of the finest particles. The system is conveniently controlled via a compact touch information display. It is connected directly to the laser cabin to cover the entire working area.

ArcFil Pro

The ArcFil Pro is ideal for robotic welding applications with high emissions. Thanks to KemTex® ePTFE filter cartridge technology, it handles large amounts of fumes and dust extremely effectively. The compact system is plug-and-play, quick to set up and can be controlled intuitively via a touchscreen display.
It connects directly to extraction hoods or cabins in the robot's working area.

Properties

- Automatic filter cleaning on required basis
- KemTex® ePTFE filter cartridges
- Control via compact touch information display
- Low noise emissions thanks to extremely low noise level
- Low space requirement due to compact design
- Quick and easy installation thanks to user-friendly preparation

Benefits

- Recirculation is possible even when using chromenickel steel thanks to W3 certification
- Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- Considerable energy cost savings by using the automatic extraction volume control
- Best health protection for employees by use of KemTex® ePTFE cartridges with surface filtration
- Little noise emission due to a low noise level

Accessories

- Automatic air flow control, can be retrofitted at any time
- Automatic start-stop
- Dosing unit for pre-coating the filter cartridges
- Weatherproof housing for outdoor installation
- Spark separator – SparkTrap
- Fleet management, remote maintenance and prenoise maintenance using autarkic networking via mobile radio to the KEMPER cloud

| W3 | IFA-certified welding smoke filter unit | W3 |

Start-Stop Set
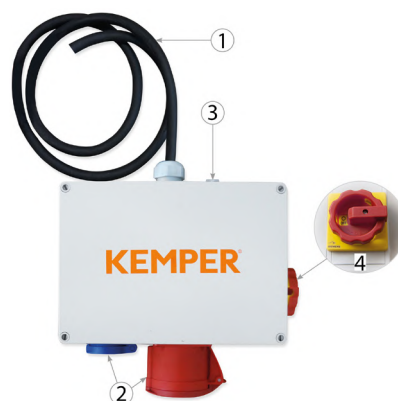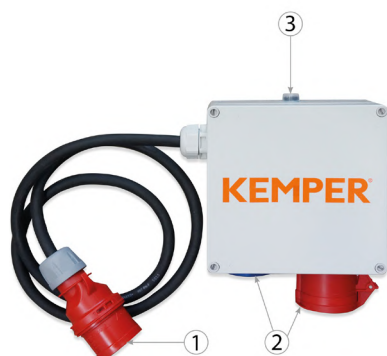
Mode of operation

- Start-Stop box power connection direct or with CEE plug (1)
- (2) The electronic unit is connected to the User Box
- (3) The box detects the current flow and opens the connected electric motorised damper.
- For direct electrical connection the box is equipped with a circuit breaker (4)
- The damper closes automatically after the work process is finished

Properties

- Both outlets can be used simultaneously.
- Box version contains an all-pole switch-disconnector in the enclosure
- 1m cable length from motorised damper to connection box
- 10m cable length from connection box to Start-Stop-box
- After-run time for opening the damper can be individually adjusted
- By the connectionbox a further light hood can be connected.

Order Data

Art. No.	Power supply	Exit 1	Exit 2	Diameter damper
998 103 517	CEE plug 32 A / 5-pin	CEE plug 32 A / 5-pin	Single phase socket 16 A	2" (HV)
998 103 518	CEE plug 32 A / 5-pin	CEE plug 32 A / 5-pin	Single phase socket 16 A	160 mm
998 103 519	CEE plug 32 A / 5-pin	CEE plug 32 A / 5-pin	Single phase socket 16 A	250 mm
998 103 520	CEE plug 32 A / 5-pin	CEE plug 32 A / 5-pin	Single phase socket 16 A	355 mm
998 103 521	CEE plug 16 A / 5-pin	CEE plug 16 A / 5-pin	Single phase socket 16 A	2" (HV)
998 103 522	CEE plug 16 A / 5-pin	CEE plug 16 A / 5-pin	Single phase socket 16 A	160 mm
998 103 523	CEE plug 16 A / 5-pin	CEE plug 16 A / 5-pin	Single phase socket 16 A	250 mm
998 103 524	CEE plug 16 A / 5-pin	CEE plug 16 A / 5-pin	Single phase socket 16 A	355 mm
998 103 525	Cable connection 32 A	CEE plug 32 A / 5-pin	Single phase socket 16 A	2" (HV)
998 103 526	Cable connection 32 A	CEE plug 32 A / 5-pin	Single phase socket 16 A	160 mm
998 103 527	Cable connection 32 A	CEE plug 32 A / 5-pin	Single phase socket 16 A	250 mm
998 103 528	Cable connection 32 A	CEE plug 32 A / 5-pin	Single phase socket 16 A	355 mm
998 103 529	Cable connection 16 A	CEE plug 16 A / 5-pin	Single phase socket 16 A	2" (HV)
998 103 530	Cable connection 16 A	CEE plug 16 A / 5-pin	Single phase socket 16 A	160 mm
998 103 531	Cable connection 16 A	CEE plug 16 A / 5-pin	Single phase socket 16 A	250 mm
998 103 532	Cable connection 16 A	CEE plug 16 A / 5-pin	Single phase socket 16 A	355 mm

VarioHood

Applications

- Robot extraction
- Process extraction
- Addition to the spot extraction

Properties

- Modular design
- Suspended from the ceiling, mounted on stands or integrated into a movable robot gantry
- Innovative air flow principle
- Insertable

Benefits

- Less extraction power required due to innovative flow principle
- Plenty of scope for plant design due to variety of mounting options
- Low transport costs and easy installation thanks to assembly set
- Many different sizes available due to the modular design
- Increased health protection because dust can be sucked up directly at source
- Protection against welding spatter for staff and equipment thanks to welding strips

Accessories And Replacement Parts

Art. No.	Description
70 400 302	Support stand set 2 m
70 400 301	Support stand set 2,5 m
70 400 300	Support stand set 3 m
119 0441	Chain suspension set 5 m
119 0442	Chain suspension set 10 m

Suitable strips, see chapter protective welding equipment

Order Data

Art. No.	Dimensions (w x d)	Required extraction capacity	Weight	Pressure drop	Number of extraction spigots.
232 0302	900 x 1350 mm	600 - 950 m³/h	56 kg	200 Pa	1
232 0402	900 x 1800 mm	800 - 1.300 m³/h	66 kg	200 Pa	1
232 0502	900 x 2250 mm	1.000 - 1.600 m³/h	91 kg	200 Pa	2
232 0602	900 x 2700 mm	1.200 - 2.000 m³/h	101 kg	200 Pa	2
232 0303	1350 x 1350 mm	900 - 1.500 m³/h	69 kg	200 Pa	1
232 0403	1350 x 1800 mm	1.200 - 2.000 m³/h	83 kg	200 Pa	1
232 0503	1350 x 2250 mm	1.500 - 2.400 m³/h	114 kg	200 Pa	2
232 0603	1350 x 2700 mm	1.800 - 2.900 m³/h	128 kg	200 Pa	2
232 0404	1800 x 1800 mm	1.600 - 2.600 m³/h	100 kg	200 Pa	2
232 0504	1800 x 2250 mm	2.000 - 3.200 m³/h	138 kg	200 Pa	2
232 0604	1800 x 2700 mm	2.400 - 3.900 m³/h	156 kg	200 Pa	2

further sizes available on enquiry/request

VarioHood, the modular extraction canopies
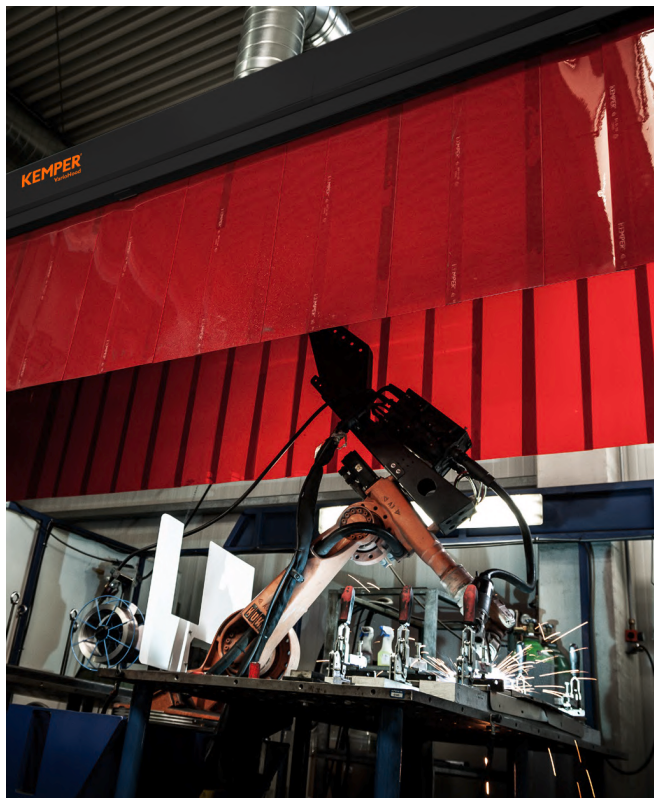
The extraction canopy can be equipped with lamellas all around which reduce the occurrence of sparks and thus protect not only the employees but the entire equipment. In addition, the dusts produced during welding and cutting cannot escape due to a lamella suspension. The length of the strips can be individually matched to your requirements.
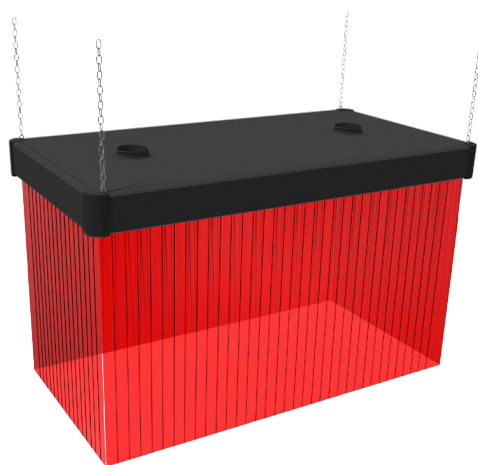
The modular extraction canopy VarioHood has a modular design which ensures flexible adaptation of the canopy to the respective work area. With the help of the extraction canopy, the entire thermal current of a welding point can be captured without affecting other areas of the workshop. Thanks to the unique flow principle, a high efficiency of the extraction is possible with only a very low air volume. Small, elongated openings on the inner edges of the extraction canopy ensure that the air containing harmful substances during the welding process is extracted evenly and effectively.

Thanks to the unique flow principle, high extraction efficiency is possible with a very low air volume capacity. Small, elongated openings on the inner edges of the extraction canopy ensure that the dust produced is extracted evenly.

900 mm	
1.350 mm	
1.800 mm	
2.250 mm	
2.700 mm	
3.150 mm	
3.630 mm	
4.110 mm	
4.590 mm	
5.070 mm	
8.670 mm	...
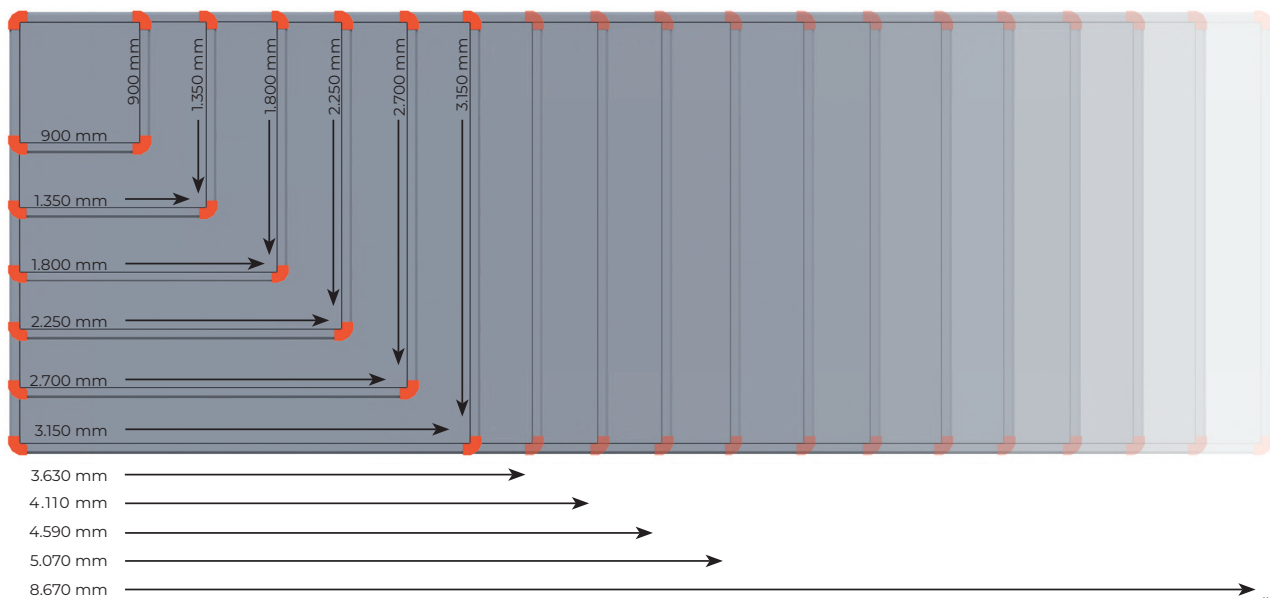
The VarioHood extraction canopy is ideally suited for connection by means of ducting to KEMPER WeldFil, WeldFil Compact and PlasmaFil extraction systems. Various mounting options provide a lot of leeway in system planning and the selection of the right system size. Whether mounted in the room, suspended from the hall ceiling or integrated in a mobile robot portal - the innovative air flow principle is always guaranteed.

The VarioHood can be equipped with welding protection strips from the KEMPER range with a degree of overlap of 33%, 66% or 100% and can be individually adapted in length to your needs. The strips are essential for optimum air capture and ensure that the air containing pollutants does not pollute other areas.

The modular extraction canopy VarioHood can be individually configured with grid dimensions of 450 mm x 450 mm up to a maximum width of 3,150 mm. The length is irrelevant. KEMPER has already implemented extraction canopies with a length of over 20 metres. Thanks to the modular design, installation is child's play and transport costs are low.

Spark Seperator SparkTrap

Applications

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

Properties

- Separation of sparks, glowing particles and cigarette butts
- Swirl nozzle with annular gap spark trap
- Can be combined with a spark extinguishing system
- Dust collection container and gate valve in the downpipe

Benefits

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

Accessories

- Stanchion support
- Wall-mounting kit

Order Data SparkTrap

Art. No.	Connection Ø	Air flow rate (max.)	Length
196 200 250	250 mm	2500 m³/h	2340 mm
196 200 355	355 mm	5000 m³/h	3240 mm
196 200 450	450 mm	8000 m³/h	3830 mm
196 200 560	560 mm	12500 m³/h	4590 mm
196 200 710	710 mm	20000 m³/h	5690 mm

Stanchion support

Art. No.	Description
998 103 492	Stand column set for SparkTrap DN 250
998 103 493	Stand column set for SparkTrap DN 355
998 103 494	Stand column set for SparkTrap DN 450
998 103 495	Stand column set for SparkTrap DN 560
998 103 541	Stand column set for SparkTrap DN 710

Wall-mounting kit

Art. No.	Description
998 103 485	Wall assembly set for SparkTrap DN 250
998 103 481	Wall assembly set for SparkTrap DN 355
998 103 486	Wall assembly set for SparkTrap DN 450
998 103 487	Wall assembly set for SparkTrap DN 560
998 103 540	Wall assembly set for SparkTrap DN 710

Spark Seperator
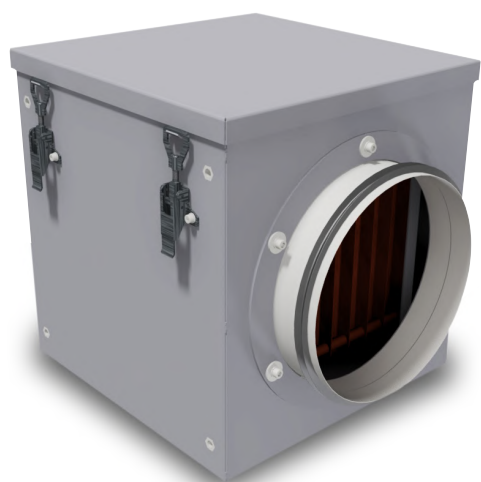
Applications

- Applications with an increased fire hazard
- Presence of sparks
- During welding, grinding or cutting processes

Benefits

- Easy integration also into existing systems of any type or brand
- Minimization of fire hazards by pre-separating sparks

Properties

- Separation of sparks

Order Data

Art. No.	Air flow rate (max.)	Connection Ø	Dimensions (w x t x h)	Weight
196 100 250	3000 m³/h	250 mm	391 x 490 x 410 mm	31 kg
196 100 160	1500 m³/h	160 mm	391 x 457 x 410 mm	32 kg

KEMPER®

Tables For Manual Applications

Extraction Tables For Cutting Systems

Grinding Table

Order Data

Art. No.	Description
99 820 0004	(B x T x H): 1.010 x 1.060 x 1.700 mm, connection spigot: diam. 250 mm
99 820 0023	(B x T x H): 1.360 x 1.060 x 1.700 mm, connection spigot: diam. 250 mm
99 820 0029	(B x T x H): 1.510 x 1.060 x 1.700 mm, connection spigot: diam. 250 mm
99 820 0016	(B x T x H): 2.000 x 1.060 x 1.700 mm, connection spigot: diam. 250 mm

Suitable filter unit

Table	Recommended filter unit
99 820 0004	34 20
99 820 0023	34 20
99 820 0029	34 30
99 820 0016	34 30

Applications

- Industrial grinding and finishing

Properties

- Robust grid-type material support
- Folding side walls
- Side walls with sound insulation material
- Full coverage
- Integrated slag tray
- Connection and integration into an existing extraction system

Benefits

- Robust manufacture ensuring safe working
- Side walls can be folded back to allow for larger products
- Reduced noise levels due to soundproofed side walls
- Higher grinding dust collection rate due to full-surface capture
- Easy cleaning thanks to the integrated slag tray
- Comfortable to work with thanks to the ergonomically adapted sheet steel construction

Welding Table

Applications

- Safe and clean manual welding

Properties

- Robust grid-type material support
- Integrated slag tray
- Welded, ergonomically adapted sheet steel construction
- Can be connected to filtration system or fan

Benefits

- Robust manufacture ensuring safe working
- Easy cleaning thanks to the integrated slag tray
- Comfortable to work with thanks to ergonomically adapted sheet steel construction

Order Data

Art. No.	Description
950 490 047	(W x D x H) 1.000 x 800 x 850 mm, connection spigot: diam. 160 mm
950 490 048	(W x D x H) 1,500 x 800 x 850 mm, connection spigot: diam. 250 mm
950 490 049	(W x D x H) 2,000 x 800 x 850 mm, connection spigot: diam. 250 mm

Suitable filter unit

Table	Recommended filter unit
950 490 047	34 20
950 490 048	34 20
950 490 049	34 30

Welding Table With Fan

Applications

- Safe and clean manual welding

Properties

- Robust grid-type material support
- Integrated slag tray
- Welded, ergonomically adapted sheet steel construction
- External cast aluminium fan

Benefits

- Robust manufacture ensuring safe working
- Direct extraction of the contaminated air by the attached fan
- Easy cleaning thanks to the integrated slag tray
- Comfortable to work with thanks to ergonomically adapted sheet steel construction

Order Data

Art. No.	Description
95 021 111	(W x D x H): 1,000 x 800 x 850 mm Fan Eco XL 1.1 kW, 3 x 400 V / 50 Hz duct connection: Ø 160 mm
95 021 112	(W x D x H): 1,500 x 800 mm x 850 mm Fan Eco XL 1.1 kW, 3 x 400 V / 50 Hz, duct connection: Ø 160 mm
95 021 113	(W x D x H): 2,000 x 800 x 850 mm Fan Eco XL 1.1 kW, 3 x 400 V / 50 Hz duct connection: Ø 160 mm

Hand Cutting Table With Fixture

Order Data

Art. No.	Description
99 841	(W x D x H) 1,000 x 650 x 800 mm, extraction spigot: Ø 160 mm

Suitable filter unit

Table	Recommended filter unit
99 841	34 20

Order Data

Art. No.	Description
99 840 0260	(W x D x H) 1,500 x 850 x 800 mm, extraction spigot: Ø 160 mm
99 840 0259	(W x D x H) 1,050 x 850 x 800 mm, extraction spigot: Ø 160 mm

Suitable filter unit

Table	Recommended filter unit
99 840 0260	34 20
99 840 0259	34 20

Applications

- Gas cutting by hand
- Apprenticeship, research and training centres
- Training departments in companies

Properties

- Workpiece clamping device with foot-operated mechanism for holding gas cutting equipment
- Integrated slag tray
- Suitable for connection to central extraction and filtering systems
- Robust steel plate construction

Benefits

- Both hands are free to work thanks to the foot-operated mechanism for clamping the workpiece
- Robust manufacture ensuring safe working
- Easy cleaning thanks to the integrated slag tray
- Comfortable to work with thanks to ergonomically adapted sheet steel construction

Welding Training Table

Order Data

Art. No.	Description
95 020	(W x D x H): 600 x 600 x 800 mm, without drawer
95 021	(W x D x H): 900 x 600 x 800mm, without drawer
95 026	(W x D x H): 1,200 x 600 x 800mm, without drawer
95 020 300	(W x D x H): 600 x 600 x 800 mm, with drawer
95 021 300	(W x D x H): 900 x 600 x 800 mm, with drawer
95 026 300	(W x D x H): 1.200 x 600 x 800 mm, with drawer

Replacement Parts and Accessories

Art. No.	Description
998 800 011	Forced position welding fixture

Applications

· Apprenticeship and training centres
· Training departments in companies

Properties

· Robust steel profile construction
· Two-section work surface: iron bar grating and sheet steel support surface with refractory material
· Can be integtared into KEMPER extraction booths

Benefits

· By dividing the work surface, various welding operations can be taught at one workstation
· Durable due to robust steel construction

Scope Of Supply

· Iron bar grating
· Robust, welded, steel profile construction
· Sheet steel support surface with refractory material

Training table

Applications

- Apprenticeship and training centres
- Training departments in companies

Properties

- Robust steel construction
- Can be integtared into KEMPER extraction booths
- Integrated slag tray
- For connection to central extraction and filtering systems

Benefits

- Durable due to robust steel construction
- Easy cleaning thanks to the integrated slag tray

Scope Of Supply

- Robust welded steel construction
- Water container
- Electrode quiver
- Tool tray
- Forced position welding fixture

Order Data

Art. No.	Description
950 49 109	(W x D x H): 600 x 580 x 850 mm, connection spigot: diam. 160 mm

Hand Cutting Table

Applications

· Manual thermal cutting

Properties

· Robust material support fabricated of flat steel
· Integrated slag tray
· For connection to central extraction and filtering systems

Benefits

· Robust manufacture ensuring safe working
· Easy cleaning thanks to the integrated slag tray

Order Data

Art. No.	Description
197 0033	(W x D x H): 800 x 600 x 800mm, aspiration port: Ø 160 mm
197 0002	(W x D x H): 1,108 x 800 x 800mm, aspiration port: Ø 160 mm

KemTab

Applications

- For plasma cutting up to 300 amps
- For flame cutting with steel plates up to 150 mm

Benefits

- No external follow-up costs caused by in-house production of wear parts due to easyFRAME
- No cleaning or maintenance required on the material support as it can be easily replaced (easyFRAME)
- Time and cost savings when cleaning the table due to large slag trays and thus longer cleaning intervals
- Energy cost savings due to low extraction volume thanks to individual control of the extraction dampers of the section in use.
- Integrated spark elimination for more safety

Properties

- Thanks to the modular design, any table size can be created
- The new modular system, which enables the right equipment for all applications. This offers configuration options from a low-cost entry (for lower requirements) up to a fully equipped table (for high requirements)
- Innovative new flap system optimized for air technology
- Various control options of the extraction damper in the individual table segments (Mechanical / Mechanical – Pneumatic / E – Pneumatic)
- Flow-optimized air guidance for low losses
- Particularly large extraction channel for low resistance
- Welded or interlocking material support (easyFrame)
- Low service requirements due to separation of air flow and external conditions

Technical Data

Basic data

Table width (Material support)	1.600 mm, 2.100 mm, 2.600 mm, 3.100 mm
Table height	700 mm
Segment distance	515 mm, 690 mm, 1.030 mm

Additional table widths on request.

Order Data

Art. No.	Description
99 851	KemTab

KemTab Advance
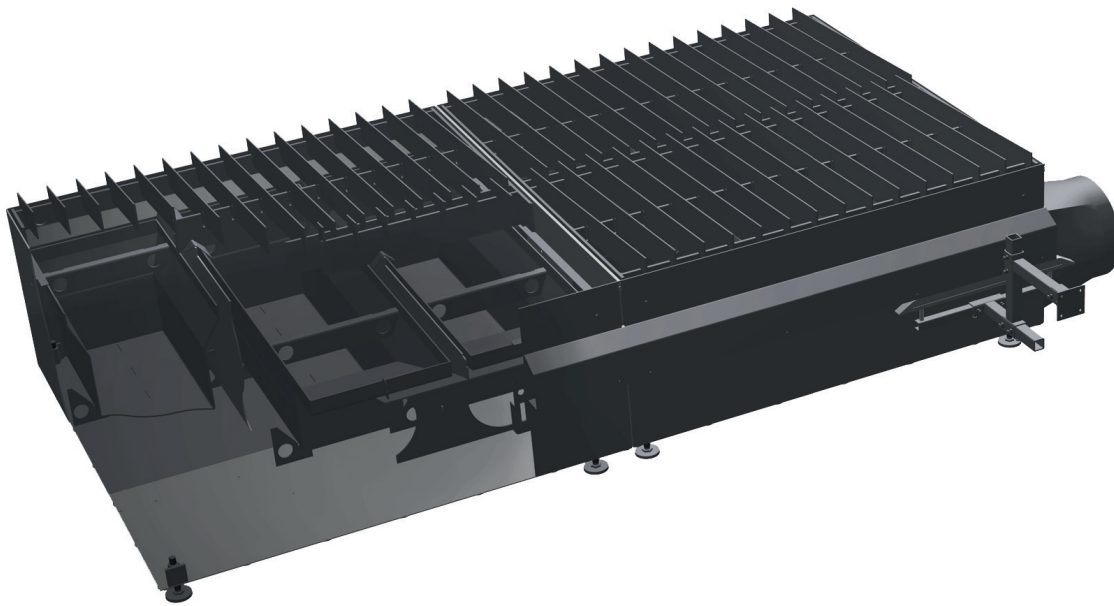
Applications

- For plasma cutting up to 300 amps (short peaks 400 A)
- For gas cutting with sheet metal up to 150 mm thick

Properties

- Low extraction volume
- Standard material support or easyFRAME
- Large slag trays
- Various pneumatic control options of the extraction damper in the individual table segments
- Modular design

Benefits

- Better cut quality and less wear due to innovative design of the material support easyFRAME
- No external follow-up costs caused by in-house production of wear parts due to easyFRAME
- No cleaning or maintenance required on the material support as it can be easily replaced (easyFRAME)
- Energy cost savings due to low extraction volume thanks to individual control of the extraction dampers of the segment in use
- No mechanical influence of the cutting system in non-contact electronic-pneumatic control of the extraction dampers
- Time and cost savings when cleaning the table due to large slag trays and thus longer cleaning intervals
- Flexible table size design due to modular system (length, width)

Technical Data

Basic data

Table width (Material support)	1.100 mm, 1.600 mm, 2.100 mm, 2.600 mm, 3.100 mm
Table height	700 mm
Segment distance	515 mm

Additional table widths on request.

Order Data

Art. No.	Description
510 845	KemTab Advance

Protection Curtains And Walls

Sound insulating partitioning wall systems

Welding protective blankets

Welding curtains

For the separation of work and hall areas

KEMPER welding protection curtains are of the highest quality and are ideally suited to separating work areas and shielding welding workplaces. The UV and infrared rays generated during the welding process are dangerous for employees in the immediate vicinity. The curtains not only protect against these dangerous rays, but also against welding spatter and glowing sparks.

All protective curtains are seamed all around and are suitable for mounting on a C-profile or a tube. The reinforced ring eyelets included in the scope of delivery ensure a stable suspension and allow the curtain to be moved sideways. All curtains are available in different colours and sizes - special sizes are also possible.

Metal hook suspended welding curtains for 1" pipe

Example

Of a welding curtain system W 4.000 x D 2.000 x H 2.000 mm with welding curtain S9, dark green, matt, ground clearance 200 mm:

1. 3 x column for 1" pipe Part No. 70 180 110
2. 2 x 6 m 1" pipe, Part No. 70 190 144
3. 3 x wall mounting plate for 1" pipe, Part No. 70 190 135

4. 7 x sets of metal hooks for 1" pipe, (70 pieces), Part No. 70 120 109
5. 10 x welding curtains S9, dark green, matt, H 1.800 x W 1.300 mm, Part No. 70 100 101
6. 5 x end caps for 1" pipe, Part No. 70 190 133
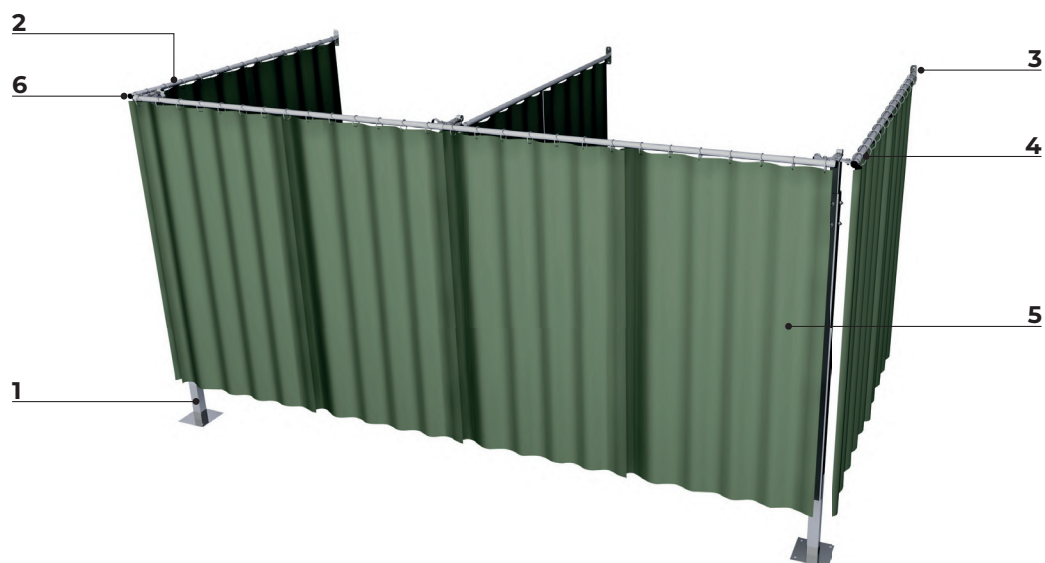
Sliding hook suspended welding curtains for C-profile

Example

Of a welding curtain system W 4.000 x D 2.000 x H 2.000 mm with welding curtain S9, dark green, matt, ground clearance 200 mm:

1. 3 x column for C-profile, Part No. 70 180 109
2. 2 x 6 m C-Profil, Part No. 70 124 106
3. 3 x wall mounting plate for C-profile, Part No. 70 190 113

4. 5 x end caps for C-profile, Part No. 70 120 107
5. 7 x sets of metal hooks (70 pieces), Part No. 70 120 112
6. 10 x welding curtains S9, dark green, matt, H 1.800 x W 1.300 mm, Part No. 70 100 101

Welding curtains

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes
- visual protection
- Light dimming

Properties

- For fixing on a tube or a C-profile
- Reinforced hems on all sides to prevent tearing
- Safety curtain in colour S0, clear is self-extinguishing, class K 1, as per DIN 53 438, part 2
- Welding curtain is tested as per DIN EN ISO 25980
- Reinforced eyelets for fixing
- Sealed-in plastic snap fasteners

Benefits

- Rugged suspension system due to reinforced eyelets and tear-proof hem
- Curtain can be moved aside due to fastening using eyelets or sliding hooks
- Curtain size can be varied by use of snap fasteners

Welding Curtain S9, Dark Green

Art. No.	Description
70 100 100	H 1,600 x W 1,300 mm, 1.30 kg, thickness = 0,4 mm
70 100 101	H 1,800 x W 1,300 mm, 1.50 kg, thickness = 0,4 mm
70 100 102	H 2,000 x W 1,300 mm, 1.60 kg, thickness = 0,4 mm
70 100 103	H 2,200 x W 1,300 mm, 1.70 kg, thickness = 0,4 mm
70 100 104	H 2,400 x W 1,300 mm, 1.90 kg, thickness = 0,4 mm
70 100 105	H 2,600 x W 1,300 mm, 2.00 kg, thickness = 0,4 mm
70 100 106	H 2,800 x W 1,300 mm, 2.20 kg, thickness = 0,4 mm
70 100 107	H 3,000 x W 1,300 mm, 2.30 kg, thickness = 0,4 mm
70 100 121	custom size per m²

Welding Protection Curtain S7, Green

Art. No.	Description
70 100 300	H 1,600 x W 1,300 mm, 1.30 kg, thickness = 0,4 mm
70 100 301	H 1,800 x W 1,300 mm, 1.50 kg, thickness = 0,4 mm
70 100 302	H 2,000 x W 1,300 mm, 1.60 kg, thickness = 0,4 mm
70 100 303	H 2,200 x W 1,300 mm, 1.70 kg, thickness = 0,4 mm
70 100 304	H 2,400 x W 1,300 mm, 1.90 kg, thickness = 0,4 mm
70 100 305	H 2,600 x W 1,300 mm, 2.00 kg, thickness = 0,4 mm
70 100 306	H 2,800 x W 1,300 mm, 2.20 kg, thickness = 0,4 mm
70 100 307	H 3,000 x W 1,300 mm, 2.30 kg, thickness = 0,4 mm
70 100 321	custom size per m²

Welding Protection Curtain, Red

Art. No.	Description
70 100 400	H 1,600 x W 1,300 mm, 1.30 kg, thickness = 0,4 mm
70 100 401	H 1,800 x W 1,300 mm, 1.50 kg, thickness = 0,4 mm
70 100 402	H 2,000 x W 1,300 mm, 1.60 kg, thickness = 0,4 mm
70 100 403	H 2,200 x W 1,300 mm, 1.70 kg, thickness = 0,4 mm
70 100 404	H 2,400 x W 1,300 mm, 1.90 kg, thickness = 0,4 mm
70 100 405	H 2,600 x W 1,300 mm, 2.00 kg, thickness = 0,4 mm
70 100 406	H 2,800 x W 1,300 mm, 2.20 kg, thickness = 0,4 mm
70 100 407	H 3,000 x W 1,300 mm, 2.30 kg, thickness = 0,4 mm
70 100 421	custom size per m²

Protection Curtain S0, Clear

Transparent protection curtain protects against dust, draft, moisture and grinding sparks.

Art. No.	Description
70 100 500	H 1,600 x W 1,300 mm, 1.30 kg, thickness = 0,4 mm
70 100 501	H 1,800 x W 1,300 mm, 1.50 kg, thickness = 0,4 mm
70 100 502	H 2,000 x W 1,300 mm, 1.60 kg, thickness = 0,4 mm
70 100 503	H 2,200 x W 1,300 mm, 1.70 kg, thickness = 0,4 mm
70 100 504	H 2,400 x W 1,300 mm, 1.90 kg, thickness = 0,4 mm
70 100 505	H 2,600 x W 1,300 mm, 2.00 kg, thickness = 0,4 mm
70 100 506	H 2,800 x W 1,300 mm, 2.20 kg, thickness = 0,4 mm
70 100 507	H 3,000 x W 1,300 mm, 2.30 kg, thickness = 0,4 mm
70 100 521	custom size per m²

Welding lamella curtains

For shielding of welding workplaces

KEMPER welding strip curtains come in the highest quality and are ideal for the spatial delimitation of work areas and for shielding welding workstations. They comply with DIN EN ISO 25980 and are flame-retardant according to DIN 53 438 T2. The curtains protect against the dangerous radiation produced during welding as well as against welding spatter and glowing sparks.

The curtains can be moved sideways due to their attachment to a C-profile / tube by means of ring eyes or hook sliders. The reinforced ring eyelets ensure a stable and safe suspension. All curtains are available in different colours and sizes - special sizes are also possible.

Metal hook suspended welding curtains for 1" pipe

Example

Of a welding curtain system W 4.000 x D 2.000 x H 2.000 mm with welding strip curtain S9, dark green, matt, ground clearance 200 mm:

1. 3 x column for 1" pipe Part No. 70 180 110
2. 2 x 6 m 1" pipe, Part No. 70 190 144
3. 3 x wall mounting plate for 1" pipe, Part No. 70 190 135

4. 7 x sets of metal hooks for 1" pipe, (70 pieces), Part No. 70 120 109
5. 20 x welding curtains S9, dark green, matt, H 1.800 x W 1.300 mm, Part No. 70 250 101
6. 5 x end caps for 1" pipe, Part No. 70 190 133

Sliding hook suspended welding curtains for C-profile

Example

Of a welding curtain system W 4.000 x D 2.000 x H 2.000 mm with welding strip curtain S9, dark green, matt, ground clearance 200 mm:

1. 3 x column for C-profile, Part No. 70 180 109

2. 2 x 6 m C-Profil, Part No. 70 124 106

3. 3 x wall mounting plate for C-profile, Part No. 70 190 113

4. 5 x end caps for C-profile, Part No. 70 120 107

5. 7 x sets of metal hooks (70 pieces), Part No. 70 120 112

6. 20 x welding curtains S9, dark green, matt, H 1.800 x W 1.300 mm, Part No. 70 250 101

Welding strip curtains

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes
- visual protection
- Light dimming

Properties

- For fixing on a tube or a C-profile
- Reinforced eyelets for fixing
- Safety panel curtain in colour S0, clear is self-extinguishing, class K 1, as per DIN 53 438, part 2
- Welding panel curtain is tested as per DIN EN ISO 25980

Benefits

- Curtain can be moved aside due to fastening using eyelets or sliding hooks
- Rugged suspension system due to reinforced eyelets

Welding Strip Curtain S9, Dark Green

Art. No.	Description
70 250 100	H 1,600 x W 570 mm, thickness = 1,0 mm
70 250 101	H 1,800 x W 570 mm, thickness = 1,0 mm
70 250 102	H 2,000 x W 570 mm, thickness = 1,0 mm
70 250 103	H 2,200 x W 570 mm, thickness = 1,0 mm
70 250 104	H 2,400 x W 570 mm, thickness = 1,0 mm
70 250 105	H 2,600 x W 570 mm, thickness = 1,0 mm
70 250 106	H 2,800 x W 570 mm, thickness = 1,0 mm

Welding Strip Curtain, Red

Art. No.	Description
70 250 400	H 1,600 x W 570 mm, thickness = 1,0 mm
70 250 401	H 1,800 x W 570 mm, thickness = 1,0 mm
70 250 402	H 2,000 x W 570 mm, thickness = 1,0 mm
70 250 403	H 2,200 x W 570 mm, thickness = 1,0 mm
70 250 404	H 2,400 x W 570 mm, thickness = 1,0 mm
70 250 405	H 2,600 x W 570 mm, thickness = 1,0 mm
70 250 406	H 2,800 x W 570 mm, D 1 mm

Welding Strip Curtain S0, Clear

Transparent protection curtain protects against dust, draft, moisture and grinding sparks.

Art. No.	Description
70 250 500	H 1,600 x W 570 mm, thickness = 1,0 mm
70 250 501	H 1,800 x W 570 mm, thickness = 1,0 mm
70 250 502	H 2,000 x W 570 mm, thickness = 1,0 mm
70 250 503	H 2,200 x W 570 mm, thickness = 1,0 mm
70 250 504	H 2,400 x W 570 mm, thickness = 1,0 mm
70 250 505	H 2,600 x W 570 mm, thickness = 1,0 mm
70 250 506	H 2,800 x W 570 mm, thickness = 1,0 mm

Welding protection strips

For the spatial delimitation of work areas

KEMPER welding strips come in the highest quality and are ideal for separating work areas and shielding welding workplaces. They comply with DIN EN ISO 25980, are flame-retardant according to DIN 53 438 T2 and protect against the dangerous rays produced during welding as well as against weld spatter and glowing sparks.

The strips are cut and punched according to the desired overlap (33%, 66% or 100%) and are simply installed with folding KEMPER suspension clips. The installation is either fixed or laterally adjustable. These are metre materials in various colours and different material thicknesses.

Welding protection strips

Example

Of a welding curtain system W 4.000 x D 2.000 x H 2.000 mm with welding strip curtain S9, dark green, matt, ground clearance 200 mm:

1. 3 x column for 1" pipe Part No. 70 180 110
2. 2 x 6 m 1" pipe, Part No. 70 190 144
3. 3 x wall mounting plate for 1" pipe, Part No. 70 190 135
4. 45 x pendular strip suspension clip, Part No. 70 190 127

5. 110 x spacer for 1" pipe, Part No. 70 190 129
6. 80 m welding protection strip S9, dark green, matt, Part No. 70 209 032
7. 5 x end cap for 1" pipe Part No. 70 190 133 40 x cutting and punching
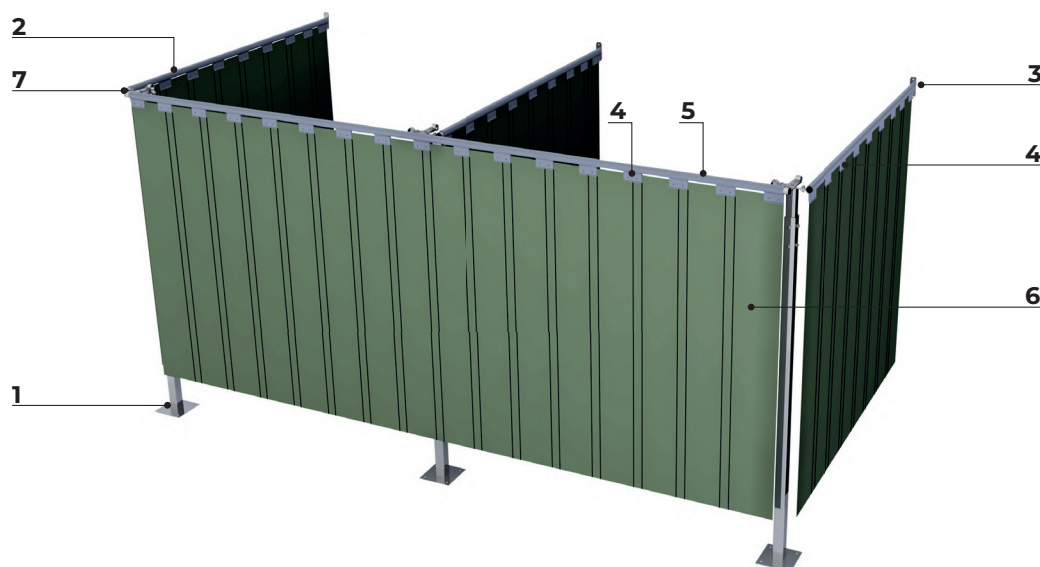
Lateral sliding welding protection strips

Example

Of a lateral sliding welding protection strip system W 4,000 x D 2,000 x H 2,000 mm with welding protection strips S9, dark green, matt, ground clearance 200 mm:

1. 3 x column for 1" pipe, Part No. 70 180 110
2. 1 x 6 m 1" pipe, Part No. 70 190 144
3. 3 x wall mounting plate for 1" pipe, Part No. 70 190 135
4. 2 x 6 m C-profile, Part No. 70 124 106
5. 4 x end cap for C-profile, Part No. 70 120 107
6. 4 x travelling device for 1" pipe, Part No. 70 190 148

7. 1 x 6 m 1" pipe, Part No. 70 190 144
8. 4 x end cap for 1" pipe, Part No. 70 190 133
9. 45 x pendular strip suspension clip, Part No. 70 190 127
10. 110 x spacer for 1" pipe, Part No. 70 190 129
11. 80 m welding protection strip S9, dark green, matt, Part No. 70 209 032
12. 6 x universal rail fixing device for C-profile Part No. 70 190 112, 40 x cutting and punching

Welding protection strips

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes
- visual protection
- Light dimming

Properties

- Safety panels in colour S0, clear are self-extinguishing, class K 1, as per DIN 53 438, part 2
- Welder protection panel is tested as per DIN EN ISO 25980
- Suspension by means of suspension brackets or pipe clamps on a tube or C-profile
- Strip overlap of 33% or 66%
- Can be installed in fixed position or laterally movable

Benefits

- Individual protection configuration by selecting degree of overlap
- Can be moved aside due to being attached to C-profile
- Passages can be created at several points in the partition since the individual elements in combination with a C-profile can be pushed aside in both directions
- Installation made easier and time is saved when mounted on folding KEMPER suspension brackets

Cutting and punching of welding protection strips

Art. No.	Description
70 210 033	Cutting and punching for clips and an overlap of 33 %
70 210 066	Cutting and punching for clips and an overlap of 66 %
70 210 100	Cutting and punching for clips and an overlap of 100 %
70 211 033	Cutting and punching for pipe clamps and an overlap of 33 %
70 211 066	Cutting and punching for pipe clamps and an overlap of 66 %
70 210 000	Cutting of welding protection strips (without punching)
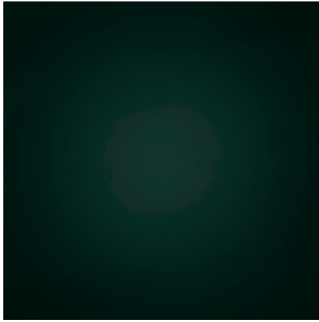
Welding protection strip S9, dark green, matt

Per metre - maximum length 50m per roll

Art. No.	Description
70 209 032	300 x 2 mm, per metre, 0.80 kg/m
70 209 033	300 x 3 mm, per metre, 1.20 kg/m

Colour may vary slightly depending on light source.

Welding Protection Strip S7, Green

Per metre - maximum length 50m per roll

Art. No.	Description
70 204 032	300 x 2 mm, per metre, 0.80 kg/m
70 204 033	300 x 3 mm, per metre, 1.20 kg/m

Colour may vary slightly depending on light source.

Welding Protection Strip, Red

Per metre - maximum length 50m per roll

Art. No.	Description
70 202 032	300 x 2 mm, per metre, 0.80 kg/m
70 202 033	300 x 3 mm, per metre, 1.20 kg/m

Colour may vary slightly depending on light source.

Welding Protection Strip, Bronze

Per metre - maximum length 50m per roll

Art. No.	Description
70 203 032	300 x 2 mm, per metre, 0.80 kg/m
70 203 033	300 x 3 mm, per metre, 1.20 kg/m

Colour may vary slightly depending on light source.

Protection Strip S0, Clear

Per metre - maximum length 50m per roll

Art. No.	Description
70 201 032	300 x 2 mm, per metre, 0.80 kg/m
70 201 033	300 x 3 mm, per metre, 1.20 kg/m
70 201 044	400 x 4 mm, per metre, 2.00 kg/m
70 201 035	300 x 5 mm, per metre, 1.90 kg/m

Pivoting Self Retracting Cable Reel

Applications

- For setting up a welding protection curtain up to a width of 8.0 m
- visual protection
- Separating individual work and factory areas

Properties

- Pivoting if no curtain is stretched in place
- Consisting of a wire rope, a reel and bracket

Order Data

Art. No.	Description
70 110 101	Pivoting self retracting cable reel for curtains, 13.00 kg

Benefits

- Space-saving because curtain and wire rope reel can be easily folded aside
- Quickly ready for use since only the wire rope is tensed to position the curtain
- Totally adaptable to your needs, since the preferred hanging height and the height of the curtains can be chosen as desired

KEMPER Pendular clip (Hinged)

The big disadvantage of common strip suspensions and spacers are that they can only be mounted to the rail before erection.

After this, every single strip needs to be mounted to the strip suspensions with nuts and bolts, which is a complicated and time consuming procedure.

The folding KEMPER suspension clip offers a much easier and time saving installation.
The clips are delivered open and after finishing the installation of the rail system the suspension clip can simply be folded around the rail.

Subsequent to this, every single strip can easily be inserted into the suspension clip and held in place by special retaining rivits. The spacers work on the same principle.

Order Data

Art. No.	Description
70 190 127	Pendular clip for a 1" pipe including fixture nuts and bolts, plastic, 0.08 kg (to be ordered in batches of 5)
70 190 129	Spacer for 1" pipe, plastic, 0.02 kg, (to be ordered in batches of 10)

1" pipe

Material thickness 3,25 mm, galvanised

Art. No.	Description
70 190 145	1" pipe, length 3 m, 7,50 kg
70 190 144	1" pipe, length 6 m, 15,00 kg

End cap for 1" pipe

Made out of plastic

Art. No.	Description
70 190 133	End cap for 1" pipe, plastic, 0,01 kg

Pipe clamp

Incl. nut and bolt

Art. No.	Description
70 190 132	Pipe clamp, galvanised, 0,10 kg

Metal hook for 1" pipe

To suspend welding curtains and welding strip curtains on a 1" pipe - galvanised, 7 metal hooks needed per curtain

Art. No.	Description
70 120 109	Metal hook for 1" pipe, 10 pieces / per set, 0,10 kg
70 120 110	Metal hook for 1" pipe, 13 pieces / per set, 0,13 kg
70 120 111	Metal hook for 1" pipe, 50 pieces / per set, 0,50 kg

Straight coupler for 1" pipe

Made of plastic, supplied with steel inlay

Art. No.	Description
70 190 147	Straight coupler for 1" pipe, plastic, 0,10 kg

Wall and ceiling fixture for 1" pipe

Art. No.	Description
70 190 123	Wall and ceiling fixture for 1" pipe, galvanised, 0.40 kg

Wall mounting fixture for 1" pipe

Art. No.	Description
70 190 135	Wall mounting fixture for 1" pipe, galvanised, 0,60 kg

Column for 1" pipe

Galvanised, incl. foot and pipe fixture

Art. No.	Description
70 180 110	Column for 1" pipe, adjustable height 2,000 up to 3,000 mm, 60 x 60 x 2.5 mm, with foot plate 200 x 200 mm, 14.00 kg

Ceiling fixture with lowering device for 1" pipe

Galvanised, lowering from 1,000 mm to 6,000 mm

Art. No.	Description
70 190 121	Ceiling fixture with lowering device for 1" pipe, galvanised, 3,00 kg

C-profile, 40 x 40 x 2.5 mm

Material thickness 2.5 mm, galvanised

Art. No.	Description
70 124 107	C-profile, 40 x 40 x 2.5 mm, length 3 m, 7.50 kg
70 124 106	C-profile, 40 x 40 x 2.5 mm, length 6 m, 15.00 kg

90°-elbow for C-profile

Galvanised, 40 x 40 x 2,5 mm

Art. No.	Description
70 124 102	90°-elbow for C-profile, radius 400 mm, 2.60 kg
70 124 103	90°-elbow for C-profile, radius 1,000 mm, 3.90 kg

Straight coupler for C-profile

Art. No.	Description
70 190 105	Straight coupler for C-profile, galvanised, 0.65 kg

T-coupler for C-profile

Art. No.	Description
70 190 107	T-coupler for C-profile, galvanised, 1.30 kg

Sliding hooks for C-profile

To suspend welding curtains and welding strip curtains on a C-profile - made of plastic, 7 sliding hooks needed per curtain

Art. No.	Description
70 120 112	Sliding hooks for C-profile, 10 pieces / per set, 0.10 kg
70 120 117	Sliding hooks for C-profile, 13 pieces / per set, 0.13 kg
70 120 113	Sliding hooks for C-profile, 50 pieces / per set, 0.50 kg

End cap for C-profile

Art. No.	Description
70 120 107	End cap for C-profile, Plastic, 0.01 kg

Ceiling fixture for C-profile

Art. No.	Description
70 190 108	Ceiling fixture for C-profile, galvanised, 0.40 kg
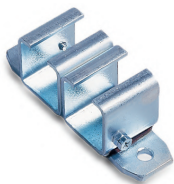
Ceiling fixture for double-C-profile

Art. No.	Description
70 190 110	Ceiling fixture for double-C-profile, galvanised, 0.80 kg

Wall fixture for C-profile

Art. No.	Description
70 190 113	Wall fixture for C-profile, galvanised, 1.30 kg

Wall fixture for double-C-profile

Art. No.	Description
70 190 138	Wall fixture for double-C-profile, galvanised, 1.90 kg

Side wall fixture for C-profile

Art. No.	Description
70 190 115	Side wall fixture for C-profile, galvanised, 0.68 kg

Side wall fixture for double-C-profile

Art. No.	Description
70 190 117	Side wall fixture for double-C-profile, galvanised, 1.30 kg

Limit stop for C-profile

With rubber bumper

Art. No.	Description
70 120 100	Limit stop for C-profile, galvanised, 0.10 kg

Ceiling fixture with lowering device for C-profile

Galvanised, lowering from 1.000 mm to 6.000 mm

Art. No.	Description
70 190 120	Ceiling fixture with lowering device for C-profile, galvanised, 3.00 kg

Universal rail fixing device for C-profile

Art. No.	Description
70 190 112	Universal rail fixing device for C-profile, galvanised, 0.36 kg

Carriage with 8 plastic rollers

Made of plastic

Art. No.	Description
70 120 118	Carriage with 8 plastic rollers and hooks to suspend welding strip curtains, plastic, 0.03 kg

Carriage with two ball bearing rollers

Made of metal

Art. No.	Description
70 190 148	Carriage with two ball bearing rollers and a pipe clamp suitable for a 1" pipe, metal, 0.22 kg

Carriage for C-Profile

Art. No.	Description
70 190 159	Carriage for C-Profile, with 2 ball bearing steel rollers and plastic hook to hang welding protection curtains from

Column for C-profile

Galvanised, incl. foot and C-profile fixture

Art. No.	Description
70 180 109	Column for C-profile, adjustable height 2,000 up to 3,000 mm, 60 x 60 x 2.5 mm, with foot plate 200 x 200 mm, 14.00 kg
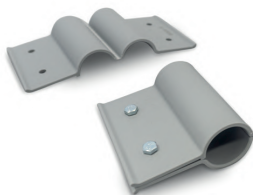
Pendular clip for a 1" pipe including fixture nuts and bolts

Made of plastic (to be ordered in batches of 5)

Art. No.	Description
70 190 127	Pendular clip for a 1" pipe including fixture nuts and bolts, plastic, 0.08 kg (to be ordered in batches of 5)

Spacer for 1" pipe

Made of plastic (to be ordered in batches of 10)

Art. No.	Description
70 190 129	Spacer for 1" pipe, plastic, 0.02 kg (to be ordered in batches of 10)

Pipe clamp for 1" pipe

Galvanised

Art. No.	Description
70 190 128	Pipe clamp for 1" pipe, galvanised, 0.20 kg

Overlap 33 %
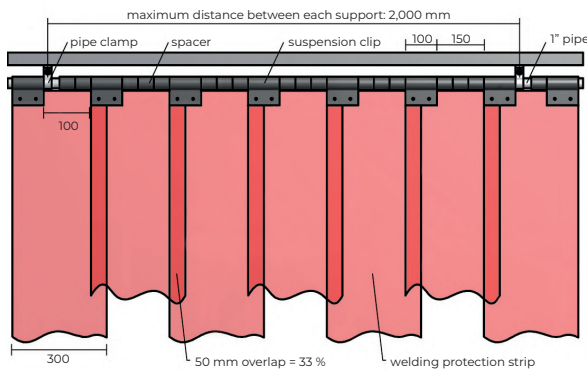
Attention!

Fixed installation:

only wall and ceiling fixtures (no travelling devices)

Lateral sliding installation:

C-profile = double curtain width

Wall and ceiling fixtures for C-profile = 2 x travelling devices

Material requirement

Curtain width and pipe length	mm	550	800	1.050	1.300	1.550	1.800	2.050	2.300	2.550	2.800	3.050	3.300	3.550	3.800	4.050	4.300	4.550	4.800	5.050	5.300	5.550	5.800	6.050	6.300	6.550	6.800	7.050	7.300	7.550	7.800
Welding strips	pieces	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Suspension clips	pieces	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Spacers pieces	pieces	3	6	9	12	15	18	21	23	26	29	32	35	38	41	43	46	49	52	55	58	61	64	66	69	72	75	78	81	84	87
Ceiling fixtures or travelling devices	pieces	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5

Overlap 66 %
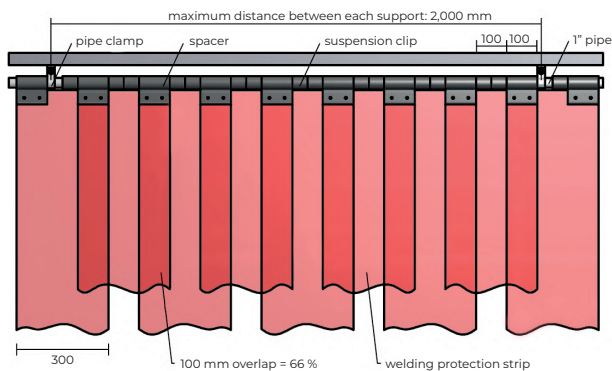
Attention!

Fixed installation:

only wall and ceiling fixtures (no travelling devices)

Lateral sliding installation:

C-profile = double curtain width

Wall and ceiling fixtures for C-profile = 2 x travelling devices

Material requirement

Curtain width and pipe length	mm	500	700	900	1.100	1.300	1.500	1.700	1.900	2.100	2.300	2.500	2.700	2.900	3.100	3.300	3.500	3.700	3.900	4.100	4.300	4.500	4.700	4.900	5.100	5.300	5.500	5.700	5.900	6.100	6.300
Welding strips	pieces	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Suspension clips	pieces	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Spacers pieces	pieces	2	4	6	8	10	12	14	16	17	19	21	23	25	27	29	31	33	35	36	38	40	42	44	46	48	50	52	54	55	57
Ceiling fixtures or travelling devices	pieces	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5

Pivoting arm for welding strips

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes

Benefits

- Space-saving because the pivoting arm can easily be folded aside
- Fast set-up of partition by simply unfolding the pivoting wall arm
- Totally adaptable to your needs, since the preferred boom height and the height of the curtains can be chosen as desired

Properties

- Tube (1") for mounting
- Length from 2 m to 6 m
- For wall mounting
- Note: Additional guy wire is provided only for pivoting arms with length of 5 m and 6 m

Order details pivoting Arm

Art. No.	Description
70 700 255	Pivoting arm for curtains and protection strips, wall-mounted, length 2,000 mm
70 700 256	Pivoting arm for curtains and protection strips, wall-mounted, length 3,000 mm
70 700 257	Pivoting arm for curtains and protection strips, wall-mounted, length 4,000 mm
70 700 258	Pivoting arm for curtains and protection strips, wall-mounted, length 5,000 mm
70 700 259	Pivoting arm for curtains and protection strips, wall-mounted, length 6,000 mm

Order details pivoting arm including column

Art. No.	Description
70 700 655	Pivoting arm for curtains and protection strips, length 2,000 mm, height at lower edge of extension arm: 2,050 mm
70 700 656	Pivoting arm for curtains and protection strips, length 3,000 mm, height at lower edge of extension arm: 2,050 mm
70 700 657	Pivoting arm for curtains and protection strips, length 4,000 mm, height at lower edge of extension arm: 2,050 mm
70 700 659	Pivoting arm for curtains and protection strips, length 5,000 mm, height at lower edge of extension arm: 2,100 mm
70 700 660	Pivoting arm for curtains and protection strips, length 6,000 mm, height at lower edge of extension arm: 2,100 mm

Pivoting arm for welding curtains

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes

Benefits

- The partition can be slid into position due to the C-profile
- Space-saving because the pivoting arm can easily be folded aside
- Fast set-up of partition by simply unfolding the pivoting wall arm
- Totally adaptable to your needs, since the preferred boom height and the height of the curtains can be chosen as desired

Properties

- For curtain version: C-Profile for fitting
- For curtain and panel version: Pipe (1") for fitting
- C-profile for mounting
- Length from 2 m to 6 m
- For wall mounting
- Note: Additional guy wire is provided only for pivoting arms with length of 5 m and 6 m

Order details pivoting Arm

Art. No.	Description
70 700 250	Pivoting arm for welding curtains, wall-mounted, length 2,000 mm
70 700 251	Pivoting arm for welding curtains, wall-mounted, length 3,000 mm
70 700 252	Pivoting arm for welding curtains, wall-mounted, length 4,000 mm
70 700 253	Pivoting arm for welding curtains, wall-mounted, length 5,000 mm
70 700 254	Pivoting arm for welding curtains, wall-mounted, length 6,000 mm
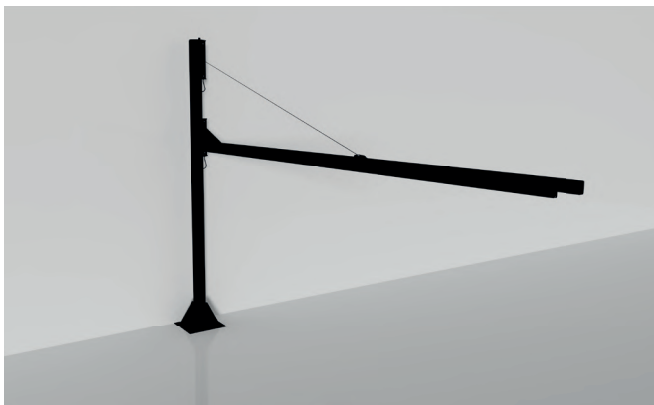
Order details pivoting arm including column

Art. No.	Description
70 700 650	Pivoting arm for welding curtains, incl. column, length 2,000 mm, height at lower edge of extension arm: 2,165 mm
70 700 651	Pivoting arm for welding curtains, incl. column, length 3,000 mm, height at lower edge of extension arm: 2,165 mm
70 700 652	Pivoting arm for welding curtains, incl. column, length 4,000 mm, height at lower edge of extension arm: 2,165 mm
70 700 653	Pivoting arm for welding curtains, incl. column, length 5,000 mm, height at lower edge of extension arm: 2,215 mm
70 700 654	Pivoting arm for welding curtains, incl. column, length 6,000 mm, height at lower edge of extension arm: 2,215 mm

Swivel Arm Wall Mounted, Lockable And Telescopic

Applications

- For flexibly separating individual work and factory areas
- For protective welding curtains and strips
- Protection against dangerous radiation from welding arcs and splashes

Properties

- Can be locked into position
- Length 1.5 m and 2 m
- Telescopically extendable to 2 m and 3 m
- Tube (1") for attaching welding curtains
- Mounting on a pillar or on a wall using a wall bracket

Benefits

- Partition can be extended or pushed together flexibly due to telescoping facility
- Easy operation of the telescoping facility by means of a chain
- Increased safety for persons and equipment due to locking.
- Space-saving because the pivoting arm can easily be folded aside
- Fast set-up of partition by simply unfolding the pivoting wall arm

Variants

- Various arm lengths and telescopic lengths

Order Data

Art. No.	Description
131 5570	Locking swivel arms with a telescopic facility for mounting on walls and pillars, 2 m
131 4874	Locking swivel arms with a telescopic facility for mounting on walls and pillars, 3 m

1-Panel Protective Screen With Curtain
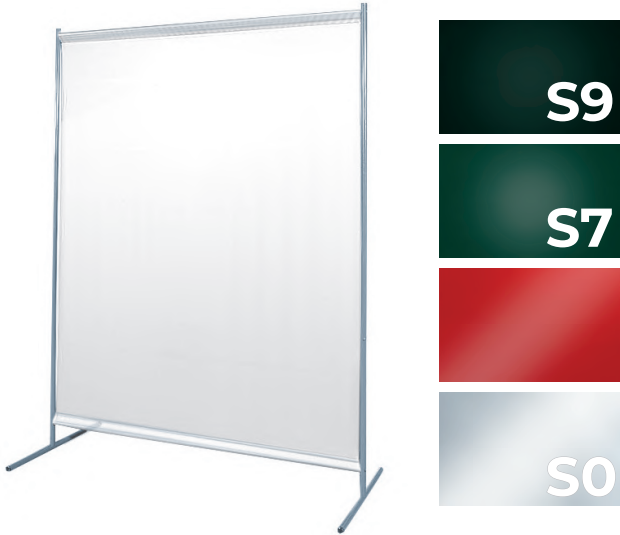
Order Data

Art. No.	Description
70 600 301	1-panel mobile protective screen with welding curtain S9 dark green matt DIN EN ISO 25980
70 600 302	1-panel mobile protective screen with welding curtain S7 green DIN EN ISO 25980
70 600 304	1-panel mobile protective screen with welding curtain red DIN EN 1598
70 600 303	1-panel mobile protective screen with welding curtain S0 transparent

Basic data	
Width	1450 mm
Thickness	0.4 mm

Applications

· Protection against dangerous radiation from welding arcs and splashes

Properties

· Foil welding curtain fabric
· Colour S0, clear is self-extinguishing, class K 1, as per DIN 53 438, part 2
· Colour S7, S9 Dark Green and Red are DIN EN ISO 25980 certified
· Low weight
· Ground clearance 100 mm

Benefits

· Flexible application due to low weight
· Legally compliant protection since the welding curtain complies with DIN EN ISO 25980

Scope Of Supply

· Support frame
· Welding curtain
· Fixing material

Protection screen with curtains

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes

Benefits

- Solid industrial quality due to stable square tube construction with powder coating
- Flexible application due to optional wheel kit

Properties

- Sturdy frame made of rectangular tubing
- Colour S0, clear is self-extinguishing, class K 1, as per DIN 53 438, part 2
- Colour S7, S9 Dark Green and Red are DIN EN ISO 25980 certified
- Ground clearance 165 mm

Scope Of Supply

- Support frame
- Welding curtain
- Metal hooks

Order details 1-panel protection screen

Art. No.	Description
70 600 500	S9, dark green, matt
70 600 503	S7, green, matt
70 600 501	red
70 600 502	Transparent, S0, against dust, draft
70 600 699	Accessories: set of castors, consisting of four guide roller, two with brakes

Basic data	
Width	2100 mm
Thickness	0.4 mm

Order details 3-panel protection screen

Art. No.	Description
70 600 550	S9, dark green, matt
70 600 560	S7, green, mat
70 600 551	red
70 600 552	Transparent, S0, against dust, draft
70 600 699	Accessories: set of castors, consisting of four guide roller, two with brakes

Basic data	
Width	3800 mm
Thickness	0.4 mm

Protection screen with protection strips

Applications

· For separating individual work and factory areas

· Protection against dangerous radiation from welding arcs and splashes

Properties

· Sturdy frame made of rectangular tubing

· Colour S0, clear is self-extinguishing, class K 1, as per DIN 53 438, part 2

· S9 dark green and red are DIN EN ISO 25980 tested

· Wheel kit (optional)

· Ground clearance 165 mm

Benefits

· Solid industrial quality due to stable square tube construction with powder coating

· Flexible application due to optional wheel kit

Scope Of Supply

· Support frame

· Strips

· Metal hooks

Order details 1-panel protection screen

Art. No.	Description
70 600 701	S9, dark green, matt
70 600 702	Red
70 600 703	S0, Transparent, against dust and draft
70 600 699	Accessories: set of castors, consisting of four guide roller, two with brakes

Basic data	
Width	2100 mm
Thickness	1 mm

Order details 3-panel protection screen

Art. No.	Description
70 600 664	S9, dark green, matt
70 600 665	Red
70 600 699	Accessories: set of castors, consisting of four guide roller, two with brakes

Basic data	
Width	3800 mm
Thickness	1 mm

Protection screen with strips

Applications

- For separating individual work and factory areas
- Protection against dangerous radiation from welding arcs and splashes

Benefits

- Solid industrial quality due to stable square tube construction with powder coating
- Flexible application due to optional wheel kit

Properties

- Sturdy frame made of rectangular tubing
- Colour S0, clear is self-extinguishing, class K 1, as per DIN 53 438, part 2
- S9 dark green and red are DIN EN ISO 25980 tested

Scope Of Supply

- Support frame
- Strips
- Suspension brackets
- Spacers

Order details 1-panel protection screen

Art. No.	Description
70 600 600	S9, dark green, matt, Thickness: 2mm
70 600 601	S9, dark green, matt, Thickness: 3mm
70 600 602	Red, Thickness: 2 mm
70 600 603	Red, Thickness: 3 mm
70 600 604	S0, Transparent, Thickness: 2mm
70 600 605	S0, Transparent, Thickness: 3mm
70 600 699	Accessories: set of castors, consisting of four guide roller, two with brakes

Basic data

Width	2100 mm

Order details 3-panel protection screen

Art. No.	Description
70 600 650	S9, dark green, matt, Thickness: 2mm
70 600 651	S9, dark green, matt, Thickness: 3mm
70 600 652	Red, Thickness: 2 mm
70 600 653	Red, Thickness: 3 mm
70 600 654	S0, Transparent, Thickness: 2mm
70 600 655	S0, Transparent, Thickness: 3mm
70 600 699	Accessories: set of castors, consisting of four guide roller, two with brakes

Basic data

Width	3800 mm

Booths

Using KEMPER soundproof partitioning systems, it is possible to erect fully enclosed booths within a manufacturing facility. The individual plates can be supplied either in a perforated sheet version, or, for improved sound insulation, from perforated sheet on the inside and solid sheet on the outside.
Naturally we can assist you in planning the booths to meet your requirements.

The grinding booths are available in the following versions:

1. Enclosed booth with a double-hinged door
The roof of the booth consists of two segments. The double-hinged doors can be secured with a bolt and the door can be locked.
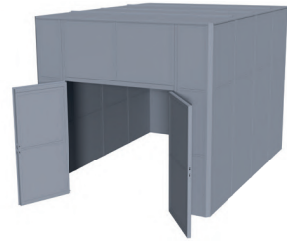
2. Enclosed booth with hinged door
The basis of the roof is a solid framework and next to the hinged door is a window with a pane of clear Perspex. The hinged door can be locked.

3. Enclosed booth with double sliding door
The roof of the booth consists of box elements and the entire cabin is mainly constructed from standard partitioning elements. The double sliding window is made of clear Perspex.
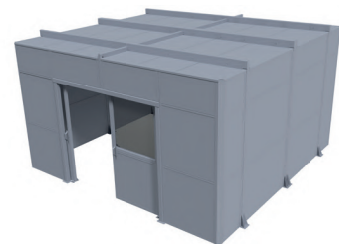
4. Enclosed booth with sliding door
The construction of this booth is based on standard components and a roof of frame segments. The sliding door features a red protective pane at the top.
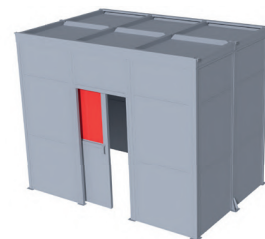
Equipment for schools

KEMPER sound insulating and partitioning wall systems are also available for schools and training workshops.

Different versions of the booths allow students to be observed either through a window or through the entrance of the booth. The openings can be separated either through a fi xed curtain system or one that can be pushed to one side.
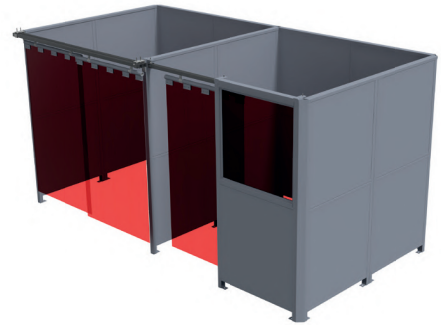
Wall partitioning system

This example shows diff erent possibilities of construction with modular elements.
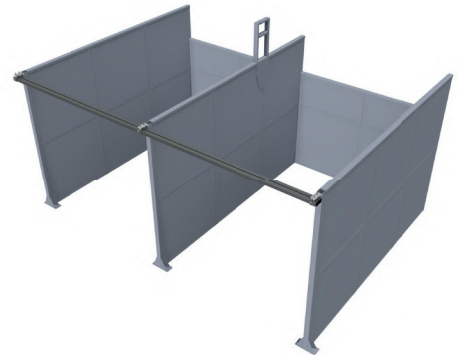
Workshop partitioning

If you want a work area to be partitioned as far up as the ceiling, our workshop partitioning is the answer.

The picture shows how two walls with protective windows and sliding doors form a new room in a workshop.
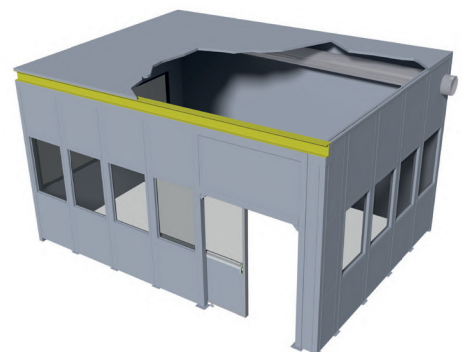
Grinding booth with roof

Art. No. 95 001 112

Art. No. 95 001 114

Art. No. 95 001 113
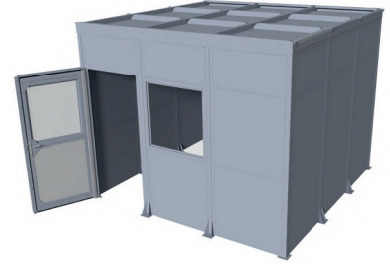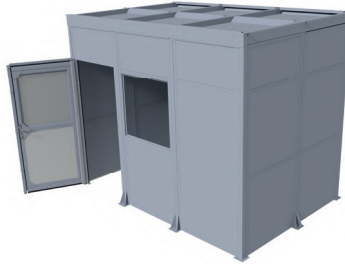
Properties

- Enclosed grinding booth with folding door, window and roof
- Soundproof elements from laminated mineral wool, 1 x 50 mm thick, exterior full metal, interior perforated metal
- Solid bolted construction made of sheet metal with powder coating
- Window, glass pane clear, 860 x 860 mm
- Folding door, 2,025 x 920 mm

Order Data

Art. No.	Dimensions (w x t x h)	Colour
95 001 112	2200 x 2200 x 2668 mm	grey, RAL 7040
95 001 114	2200 x 3270 x 2668 mm	grey, RAL 7040
95 001 113	3270 x 3270 x 2668 mm	grey, RAL 7040

further sizes available on enquiry/request

Rigid screens

Order Data

Art. No.	Description
70 212 100	Cut to measured sizes (+ 10 % to cover wastages)
70 830 27	Rigid screen, red shade 3, UV protection, 1,250 x 2,050 mm, thickness: 3 mm
70 830 28	Rigid screen S9, dark green shade 6, UV protection, 1,250 x 2,050 mm, thickness: 3 mm

Mobile soundproof wall

Applications

- Protection against noise pollution from neighbouring workstations
- Protection against dangerous radiation from welding arcs and splashes

Properties

- Soundproof elements from laminated mineral wool, 2 x 50 mm thick with perforated metal cover and inserted solid metal sheet
- Solid bolted construction made of sheet metal with powder coating
- 4 lockable castors, diameter 125 mm for easy movement
- Minimal ground clearance for optimum sound insulation

Order Data

Art. No.	Description	Wall thickness	Ground Clearance	Weight
99 880 2874	(W x D x H): 1,520 x 800 x 2,110 mm	100 mm	90 mm	154.5 kg
99 880 2756	(W x D x H): 2,020 x 800 x 2,110 mm	100 mm	90 mm	174 kg

Attachment soundproof wall

Benefits

- Further noise reduction from neighboring workstations
- Better protection against dangerous radiation from welding arcs and splashes

Properties

- Soundproof elements from laminated mineral wool, 1 x 50 mm thick with perforated metal cover
- Solid bolted construction made of sheet metal with powder coating

Order Data

Art. No.	Description	Depth of wall with attachment	Height of wall with attachment	Wall thickness	Weight
99 880 2883	(W x D): 1,520 x 500 mm	970 mm	2470 mm	50 mm	41 kg
99 880 2746	(W x D): 2,020 x 500 mm	970 mm	2470 mm	50 mm	53 kg

Welding protective blankets

Properties

- Made from uncoated glass fibre material
- Resistant up to 550° C, briefly up to 750° C

Order details (up to 750°C)

Art. No.	Description
70 150 100	1,000 x 1,000 mm, 0.75 mm thickness
70 150 110	2,000 x 1,000 mm, 0.75 mm thickness
70 150 120	2,000 x 2,000 mm, 0.75 mm thickness
70 150 130	3,000 x 2,000 mm, 0.75 mm thickness
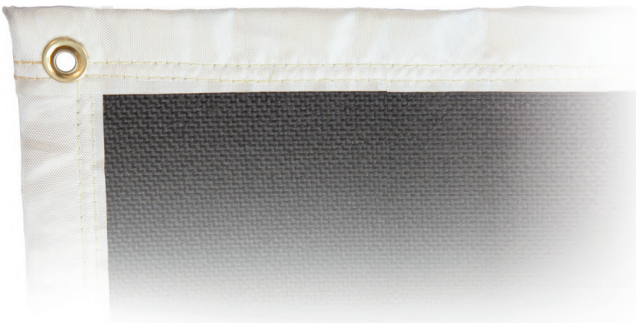
Properties

- Made from vermiculite coated fiberglass
- Resistant up to 750° C, briefly up to 950° C

Order details (up to 950°C)

Art. No.	Description
70 155 100	1000 x 1000 mm, 1 mm thickness
70 155 110	2.000 x 1.000 mm, 1 mm thickness
70 155 120	2.000 x 2.000 mm, 1 mm thickness
70 155 130	3.000 x 2.000 mm, 1 mm thickness
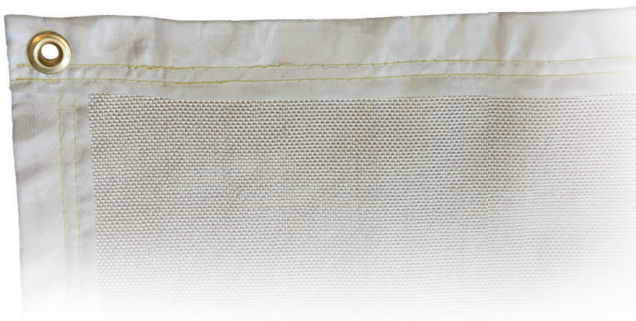
Properties

- Made from uncoated silicon dioxide
- Resistant up to 1100 °C, briefly up to 1,350° C

Order details (up to 1,350°C)

Art. No.	Description
70 160 100	1,000 x 920 mm, 0.7 mm thickness
70 160 110	2,000 x 920 mm, 0.7 mm thickness
70 160 120	2,000 x 1,800 mm, 0.7 mm thickness
70 160 130	H 3,000 x W 1,800 mm, 0.7 mm thickness

After Sales & Services

KEMPER service contract

In order to ensure the long-term operability and legal security of extraction and filter systems, regular safety checks are essential.

With the **flexible** KEMPER service contracts, you are always covered for the future. The exact form of the contract is tailored to your needs. We monitor the dates for the safety check and schedule them in good time in our nationwide service tours.

The most important safety checks:

The ventilation safety check is an annually prescribed check in Germany for extraction equipment, which is specified by the Employer's Liability Insurance Association in DGUV Rule 109-002 under point 11.2.2 and in TRGS 528 under point 5.

The electrical safety inspection is an annually prescribed inspection in Germany for mobile, plug-operated devices, which is specified by the Employer's Liability Insurance Association in DGUV Regulation 3.

Advantages

- Full operational capability with full cost control
- Minimisation of downtimes through early
- early detection of possible malfunctioning factors of the regular inspection
- Scheduling security and priority scheduling
- No long-term commitment, as can be terminated annually

Free warranty extension

You have received your new welding fume filter unit from KEMPER and have already put it into operation? Then you have taken a big step towards improving air quality. Even after the purchase, we are happy to provide you with advice and support, because customer satisfaction is a top priority at KEMPER.

You often only notice how pleasant warranty protection is when it is missing. That is why we offer for many of our extraction units* - completely free of charge and without obligation - an extension of the legal warranty period from 12 to 24 months. Simply register your new welding fume extraction unit online. As a thank you we will extend the warranty of your new filter unit from 12 to 24 months.

With the extension of the warranty period, you are also on the safe side after the statutory warranty period safe side.

Procedure for extending the warranty

A registration card is included with your new extraction unit*.

Proceed as follows to register:
- Call up the printed link on the card.
- Log in and register your product
- You will then automatically receive a confirmation together with the warranty certificate.
- Benefit from this free service and register your extraction unit now.

Do you have any questions or suggestions? Simply contact us by phone at **+49 (0) 2564 - 68 0** or send us an email to **service@kemper.eu**.

*applies to units that come with a warranty extension card

KEMPER ORIGINAL filter: 100% genuine. 100% KEMPER.

With **KEMPER original filters**, you are always on the safer side and act in compliance with the law. Because only an original is an original and, thanks to the special filter material, guarantees the **highest degree of separation** and a long service life.

In combination with original replacement filters, you permanently maintain the **W3 certification** of your extraction systems and provide maximum protection for your employees.

Surface filtration with KemTex® ePTFE membrane filters

Only particles that have not penetrated the filter medium can be cleaned off again. Therefore, their separation is already required on the filter surface. This is optimally achieved by our thin KemTex® ePTFE membrane.They have a **unique microstructure** of billions of randomly arranged pores. The membrane is supported by a polyester fibre fleece on which it is thermally fixed.

The finest fibres and pores of the **KemTex® ePTFE membrane** also retain particles down to about **100 nanometres** with a high degree of separation. This achieves effective surface filtration with the best cleaning results.

Services

Filter change service

The heart of a suction and filter unit: The filter. When it is saturated and your suction and filter unit provides only a low extraction capacity, a filter change is often necessary. This is where we come in and offer you a professional and quick filter change service that includes the following services:

- Supply of high-quality original KEMPER filter elements
- Thorough cleaning of the filter chamber
- Professional and rapid replacement of the filters
- Appraisal of the system components and acceptance of the newly equipped filter system

Repair/Maintenance service

In the event of damage, we will support you with a comprehensive repair service so the operational capability of your extraction and filter solution remains guaranteed. Repairs can be carried out either at your site or at the KEMPER factory.

Spare parts service

Sustainability through quality and continuity. KEMPER keeps wear and spare parts permanently in stock so there are no delivery bottlenecks or breakdowns in your production.

Filter units:
- 7 years for spare and wear parts
- 10 years for filter inserts

Filter systems:
- 10 years for spare and wear parts
- 15 years for filter inserts

Retrofitting and modernisation

Due to the technical progress, we recommend the modernisation of your suction and filter unit after a certain period of time. Replace your old system with a new system that represents the current state of the art in extraction and filter technology in terms of technology, economy and health and contributes to increased efficiency.

Your other benefits

Reduction of running costs

Guaranteed procurement of spare parts

Compliance with current legal requirements

Other services

Technical support

When it comes to malfunctions, technical questions about our products, or commissioning, fast, reliable, and user-oriented support is essential. Our team is always ready to assist you with advice and practical help.

Simply fill out our service form and always provide the **serial number** of the device or system. This allows us to support you quickly and accurately, as the serial number gives us direct access to all relevant machine parameters.

Free extension of the warranty period

Just how pleasant it is to have warranty protection, often is not noticed until it is lacking. That's why we offer an extension of the statutory warranty for our extraction units and filter systems.

Filter units: Simply register your extraction unit online to benefit from an additional 12 months of warranty protection – completely free of charge. Conclude a service contract and also receive a further 12 months of warranty protection.

Filter systems: Conclude a service contract and receive a further 24 months of warranty protection for your suction and filter unit.

Installation and assembly

During the installation and commissioning of your new extraction and filter solutions, our installation staff will explain the application to you and provide advice on care and maintenance. From the design up to onsite installation: All from a single source.

Hello, Hola, Salut, Hej, Witam & Ahoj!

We are happy to advise you.

Are you interested in our products?
We will gladly send you information material or name a sales partner near you.

You can send orders via Email at any time to **sales@kemper.eu**

Our website **www.kemper.eu** is available around the clock with detailed product information and the latest news from KEMPER.

What is welding fume? What does Kemper have to do with extraction technology?
In our occupational safety blog **www.safe-welding.com** we answer all your questions about extraction technology, filter technology or various hazardous substances in welding.

Conditions of Sale

1. Interpretation

1.1 In these terms and conditions the following expressions will have the following meanings and cognate expressions will be construed accordingly:

"Seller"   KEMPER (U.K.) Limited
"Buyer"   the person(s) or entity who place an Order.
"Goods"   the items or articles the subject of the Order.
"Conditions"   the terms and conditions set out here which govern the sale and purchase of the Goods.
"Order"   the order placed by the Buyer with the Seller for the supply of the Goods.
"Contract"   the contract of sale concluded by the placing of an Order which is accepted by the Seller in its confirmation of Order.

2. Scope of Contract

2.1 Neither the Buyer nor the Seller will be bound by any variation, waiver of or addition to the Conditions except as agreed by both parties in writing.

2.2 Any terms and conditions used by the Buyer in the course of its business do not apply to the Contract.

2.3 No statement or representation made at any time prior to the Contract will be a term of the Contract or deemed to be an inducement or collateral contract pursuant to which the Buyer entered into the Contract.

3. Delivery

3.1 Delivery of the Goods will be made at the Seller's earliest convenience. Any time or date for delivery is an estimate only and may be cancelled or revised at the Seller's option. Time for delivery by the Seller is not of the essence of the Contract

3.2 Each delivery operates as a separate contract.

3.3 The Buyer will accept delivery of the Goods provided such delivery is made at the Buyer's place of business within usual business hours or at any place agreed between the Seller and Buyer.

3.4 The Seller will not be liable to the Buyer for any loss or damage suffered directly or indirectly by the Buyer from any delays in delivery however arising.

3.5 The Seller will have no liability to the Buyer in the event of non-delivery of the whole or any portion of the Goods caused directly or indirectly by Act of God, elements, war, act of Government, strikes or lockouts, fire, flood, breakdown of machinery, non-delivery or delay in delivery by the Seller's suppliers of the Goods or materials required for the Goods, failure of the Seller's contractors to execute or their delay in executing any work on the Goods or any other cause (whether or not the same as the foregoing) beyond the Seller's control.

3.6 If delivery is delayed due to any of the causes referred to in clause 3.5 by a period in excess of three months the Seller may cancel the undelivered portion ot the Contract by written notice.

3.7 Delivery of the Goods will be ex-works; if requested by the Buyer, the Seller will arrange delivery and insurance of the Goods in transit at the Buyer's expense.

4. Payment and Price

4.1 The price stated in the Seller's quotation does not include delivery to the Buyer's premises. Such price excludes any tax, licence fee, custom, import or export duty or charge.

4.2 The Seller's prices are valid for three months from the date of the Seller confirming the Order. After such period, the Seller may alter its prices and quotations for the Goods whenever it in its absolute discretion considers necessary so that the Contract price is that in force at delivery. The Seller will give the Buyer seven days written notice or such alteration. If the Buyer objects to the alteration, the Buyer will be treated as discharged from the Contract.

4.3 Payment of the price of the Goods will be made net in Pounds Sterling within 30 days of the date the Buyer receives the Seller's invoice; such invoice being deemed to have been received on the third day after posting. Payment must be made by cheque to the Seller at its offices at Venture Court, Debdale Road, Wellingborough
or directly to its bank account number 27044900 at DZ Bank AG plc at 150 Cheapside, London EC2V 6ET , sort code 40-50-82. Payment must be made in full, without set-off or deductions. Time for payment is of the essence of the Contract.

4.4 The Seller will not be deemed to have received payment until the Buyer's cheque has been honoured on presentation for payment.

4.5 The Seller is entitled to interest on any unpaid invoices from the invoice due date until payment at the rate of 4 percentage points per annum above National Westminster Bank plc base rate prevailing from time to time.

4.6 In the event of late payment:

4.6.1 the Seller may treat the Contract as wrongfully repudiated by the Buyer without prejudice to the Seller's right to payment for any Goods delivered and to damages for the Buyer's breach of contract;

4.6.2 all the Seller's invoices will become due for immediate payment.

4.7 The Seller may treat the oldest invoices as paid first, unless the Seller indicates otherwise.

5. Inspection

5.1 The Buyer will inspect the Goods immediately they are delivered and the signature of the Buyer or of any person acting on its behalf on the delivery note will be deemed to be an acknowledgement by the Buyer that the Goods are of satisfactory quality, undamaged and in accordance with the Contract and the Seller will not replace the Goods nor be under any liability to deliver any missing part, unless the Buyer:

5.1.1 states on the delivery note that the Goods or part of them are either damaged or missing; and

5.1.2   notifies the Seller in writing within five days of the delivery of the Goods of the extent to which the Goods are damaged and/or missing or in the case of latent or hidden defects which could not reasonably be revealed by the delivery inspection, such notification must be made within 6 months of the date risk in the Goods passed to the Buyer.

6. Risk

6.1 The risk in the Goods passes to the Buyer upon despatch of the Goods by the Seller for delivery to the Buyer in accordance with these Conditions.

7. Title

7.1 The Seller will retain title to and ownership to the Goods until the Buyer has paid in full the price of the Goods.

7.2 Furthermore, the title in the Goods will not pass to the Buyer unless and until the full price of any other delivered Goods the subject of any other business transaction between the Buyer and the Seller has been paid. Such price and the price of the Goods will in clause 7 together be called "the value" and will where the context so permits include in addition any costs of repossession incurred under clause 7.4.1.

7.3 Until the value has been received by the Seller the Buyer will hold the Goods as bailee on behalf of the Seller and the Buyer acknowledges that there is a fiduciary relationship in respect of the Goods between the Buyer and Seller. Accordingly:

7.3.1 the Buyer will store the Goods on its permises separately from its own goods or those of any other person in such a way that they can be readily identified as the Goods of the Seller;

7.3.2 until full payment is made the Buyer will take all necessary measures for the protection of the Goods including their insurance against all usual risks with an insurance company approved by the Seller for the full replacement value of the Goods. The Buyer will procure that the interest of the Seller is noted upon any such insurance policy and that a copy of the policy is supplied to the Seller on its creation;

7.3.3 the Buyer is authorised by the Seller to agree to sell on the Goods at a price which is no less than the purchase price of the Goods under the Contract subject to the express condition that the entire proceeds of sale are held in trust for the Seller and are not mingled with other monies or paid into any overdrawn bank account and are at all times identifiable as the Seller's money. The Buyer will keep records (to be produced to the Seller whenever required) of the name and address of any such sub-buyer and the date and contract price of each delivery and will if the Seller so requires in writing assign such claims as the Buyer has against such subbuyers as arise from this transaction.

7.4 If the Buyer (a) fails to make any payment to the Seller when due, or (b) being an individual, proposes to compound with its creditors, applies for an interim order under section 252 Insolvency Act 1986 or has a bankruptcy petition presented against it or being a company, enters into voluntary or compulsory liquidation, has a receiver, an administrator or administrative receiver appointed over all or any of its assets or takes or suffers similar action, or if the Seller has reasonable cause to believe that any of these events are likely to occur then the Seller will have the right, without prejudice to any other remedies:

7.4.1 to enter, without prior notice, any premises of the Buyer where Goods owned by the Seller may be and to repossess and dispose of any Goods owned by it so as to discharge any sums owed to it by the Buyer under this or any other contract;

7.4.2 to require the Buyer not to resell or part with possession of any Goods owned by the Seller until the Buyer has paid in full all sums due to the Seller under this or any other contract;

7.4.3 to withhold delivery of any undelivered Goods and stop any Goods intranssit;

7.4.4 to vary by notice in writing with immediate effect the terms, if any, as to credit specified in the Contract between the Seller and Buyer in such manner as the Seller may, in its absolute discretion, determine

7.5 Each of the preceding clauses will be construed and take effect separately and in the event of one or more such clauses being held ineffective this will not affect the validity of the remaining clauses.

8. Warranties

8.1 The Seller warrants that it has title to the Goods or will have such title at the time when property in the Goods is to pass to the Buyer under the Contract and warrants that in all other respects it is able to satisfy its obligations to the Buyer under Section 12 of the Sale of Goods Act 1979.

8.2 Except as expressly stated in these Conditions all warranties and conditions whether express or implied by statute usage trade custom or otherwise relating to the quality or nature of the Goods or their life or wear or fitness for any particular purpose or use under any specific conditions are expressly excluded.

8.3 Measurements, dimensions, weights, colours and other details contained in the Seller's catalogues, sale manuals, photographs, drawings, illustrations and price lists and the Seller's samples constitute only an approximate guide and do not form part of the Contract. No warranty is given that the Goods will correspond exactly with those specified.

9. Liablility

9.1 Any Goods alleged by the Buyer to be damaged or not of satisfactory quality will not form the subject of any claim for work done by the Buyer or for any loss damage or expense whatsoever arising directly or indirectly from such alleged defects. If the Goods are returned to the Seller in accordance with the Conditions and are accepted by the Seller as damaged or not of satisfactory quality they will either be replaced as originally ordered or at the sole discretion of the Seller an appropriate credit note will be issued to the Buyer provided that the Buyer has otherwise complied with the Conditions.

9.2.1 No claim under clause 9.1 will be considered by the Seller unless, in addition to the Buyer's compliance with clause 5 (Inspection), the Buyer makes the Goods available for collection by the Seller.

9.2.2 No Goods will be accepted for return without the prior agreement of the Seller and returned Goods must be properly and securely packed by the Buyer and accompanied by a detailed list giving the reasons for their return and the date and number of the Seller's invoice for the Goods.

9.3 Except in respect of personal injury or death, the limit of the Seller's liability under the Conditions will not exceed the price of undelivered Goods or Goods accepted back by the Seller under the terms of the Conditions and the Seller will under no circumstances be liable in contract or tort or otherwise for any indirect or consequential damage, loss or expense however caused whether to the Buyer or any other person or thing, whether arising directly or indirectly from the negligence of the Seller or anyone for whom the Seller is vicariously liable.

10. General

10.1 The Seller will not be affected by any delay or failure in exercising or any partial exercising of its rights under the Contract unless it has signed an express written waiver or release.

10.2 The Buyer will not assign its rights under the Contract without the prior written consent of the Seller

10.3 Any notice given under the Conditions will be duly served on the Buyer if it is left at or sent by first class post to its address last known to the Seller or on the Seller if it is left at or sent by first class post to its adress last known to the Buyer. It will be assumed that any notice sent by post will be delivered on the fifth working day after posting.

10.4 This Contract will be constructed in accordance with the laws of England and the Seller and Buyer submit to the non-exclusive jurisdiction of the Enlish courts.

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