KEMPER

TÜV CERT
DIN EN ISO 9001 : 2000
QA-Nr.: 04100 20050867

Product catalogue 2006

welding, cutting and more...

www.kemper.de

KEMPER – the specialist for systematic air purification in the working environment

Since its foundation in 1977 *KEMPER* has been dedicated to the development, manufacturing and distribution of exhaust equipment for the safety and environmental protection of welding.

Constant investment for research and development ensure that *KEMPER* products remain at the forefront of technology.

These efforts are supported by close co-operation with universities, research institutes and technical supervising authorities.

Today, *KEMPER* is a leading company for systematic air purification at welding

workplaces. Innovative technology and a comprehensive after sales service form the basis of our success.

KEMPER is represented in many countries all over the world either with a large number of subsidiaries or corresponding sales partners.

Humans, workplaces and environment

A clean and safe working environment is part of today´s quality of life. It increases the satisfaction of the employees, reduces illness and therefore contributes to a higher productivity and better working conditions.

During welding and cutting processes a variety of different gases, fumes and dusts is released, reaches the lungs with breathed air and endangers human health.

Therefore effective protective measures have to be taken to provide clean breathing air at workplaces.

The type of substances released while welding or cutting is dependent on both the type of welding which is carried out and the material which is used.

As a leading company for systematic air purification in the working environment *KEMPER* offers a comprehensive range of high performance units for all workshop requirements.

The extraction

Ventilating a complete workshop does not prevent hazardous substances to reach the breathing zone of the welder or machinist.

A sufficient protection is only guaranteed by using local exhaust and ventilation equipment where the hazardous substances are exhausted at source. With this method, the welding or cutting fumes and hazardous substances are captured before they reach the breathing area of the employee.

Local extraction is by far the most effective method for air purification at welding work stations and is therefore a standard feature in the modern workshop.

Quality is our philosophy

Extraction and filter units for the metal working industry need to be flexible, reliable and of course very robust.
For these reasons *KEMPER* always has produced all filter units out of stable steel housings and high quality components.
Our own research and development department together with the high vertical integration are a warrant for the high class quality and reliability of our products.
Due to our own metal workshop with state of the art machinery as well as a fully automated epoxy powder coating unit, *KEMPER* can react very fast to individual customer wishes and at the same time keep the hight quality of our products.

Safety creates confidence

Products which contribute to a safer working environment and protect employees against hazards, have to be of first class quality and need to be very reliable. We are aware of this responsibility, and therefore you can be assured that all products offered in this catalogue are conform to all current guidelines and legislations or even exceed them.
That's why you can trust the safety of our products.

KEMPER is DIN EN ISO 9001:2000 certified.

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Training tables

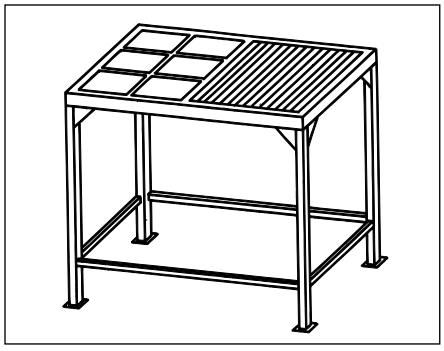
Training tables
KEMPER training tables are an optimal workplace for the welding training in vocational schools, the industry or similar organisations. Due to its stable steel construction, the table is best suitable for the daily use.

The surface of the table is divided into two sections. A sheet steel support with fireclay bricks for flat welding and a bar iron rust for the penetration welding. The optional work piece clamp completes the training table, which is available in three different sizes.

Training tables

Stable welded steel table suitable for various welding applications.

Part No.	Description	€
95 020	Table dimensions: w = 600 mm, d = 600 mm, h = 800 mm	289,00
95 021	Table dimensions: w = 900 mm, d = 600 mm, h = 800 mm	387,00
95 026	Table dimensions: w = 1.200 mm, d = 600 mm, h = 800 mm	435,00
998 800 011	Work piece clamp	94,00



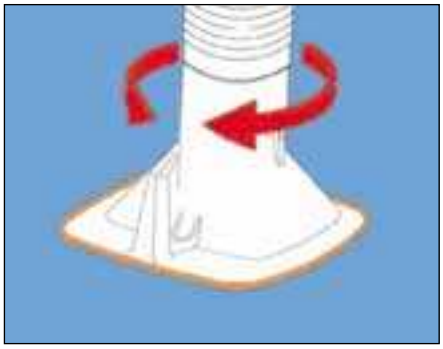
Con

ntent

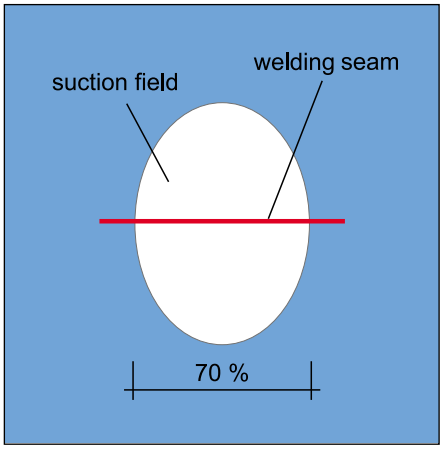
Exhaust arms-exhaust cranes

The exhaust hood and its effect

The acceptance of a welding smoke exhaust system depends very much on capturing the welding smoke as well as on positioning and handling the exhaust hood easily.
The *KEMPER* exhaust hood has been designed to create an elongated extraction area and is therefore especially suitable for the extraction at welding seams. The exhaust hood can be revolved by 360°.



The exhaust hoods in comparison

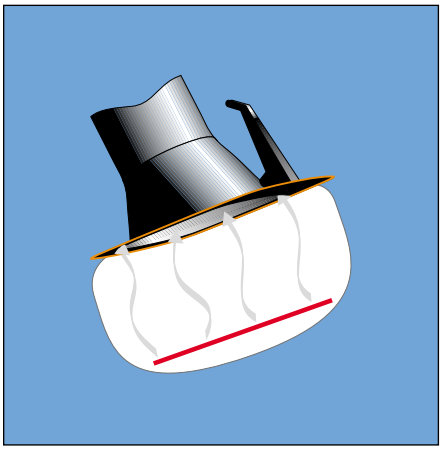


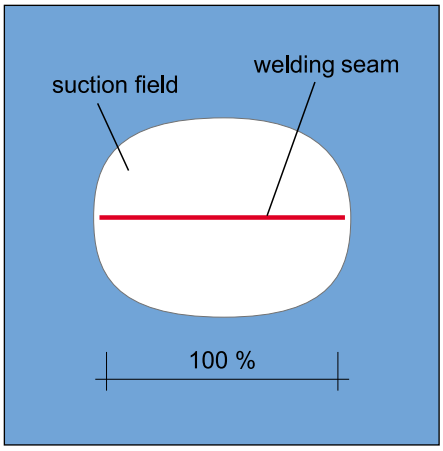
Poor shape forming of the exhaust hood.

The capturing will be effected according to an oval face, the extraction field is punctually aligned.

Due to the missing coping a huge amount of leak air will be aspirated.

The efficiency compared to the *KEMPER* exhaust hood is at most 70 %.





Optimal shape forming of the exhaust hood.

The extraction field is designed corresponding to the welded seam.

By means of the revolvement of the exhaust hood, the shape is adapted to the welding seam at anytime.
The flange shape coping to the sides prevents the extraction of false air.

The efficiency of the *KEMPER* exhaust hood is about 40 % higher than with a conventional exhaust hood.

Rotating exhaust hoods

The exhaust hood, developed by *KEMPER*, is revolvable by 360° and can consequently be aligned optimally with the welding seam in every position. It is irrelevant whether the welder is standing at the side or behind the machine.

The filter unit has to be repositioned to a less often to work at optimum conditions. By the use of an ergonomically formed handle the hood can be brought into the designated position, which will retain self-supporting.

Convenient equipment

The exhaust hoods or the exhaust machines can be provided with further equipment. For a better view on the welded joint a halogen lamp, which is integrated in the hood, is available. The lighting-kit includes a second on-/off-switch which is integrated in the hood to easily start and stop the machine.

The automatic start-stop is the best possibility to control the unit. A sensor is connected to the earth cable of the welding unit. The control switches the unit on when the welding process starts and switches it off when the process finishes.

The *KEMPER* automatic start-stop makes the unit more comfortable.

That way time can be saved and there is no risk of welding without extraction system.

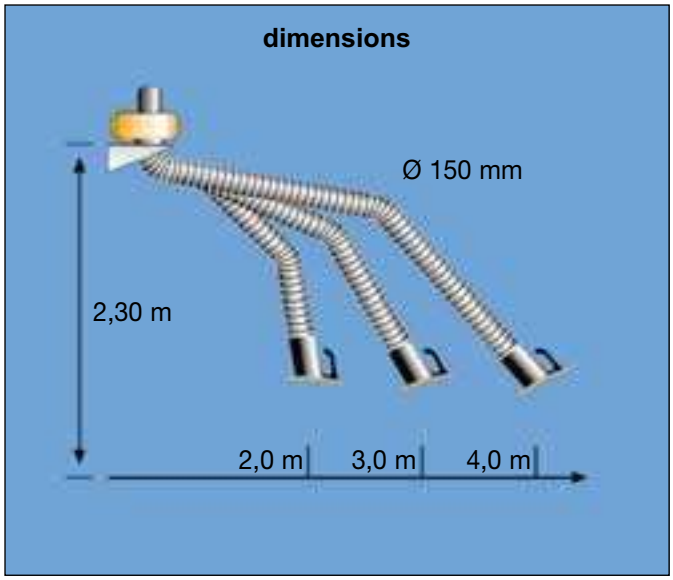
Flexible exhaust arms

KEMPER exhaust arms are extremely suitable for extracting welding smoke, gases, damps, slight dusts and solvents.
The exhaust arm consists of an interior parallelogram which is spring supported and a fibre glass hose with a PVC coating and an internal steel wire spiral.
The exhaust hood with a damper is rotatable by 360° and can thus be swivelled in all directions.
Due to its parallelogram the exhaust arm can be brought into any desired position with in its reach without any additional support.
KEMPER exhaust arms can be connected to fans or to a ducting of a central filtration system.

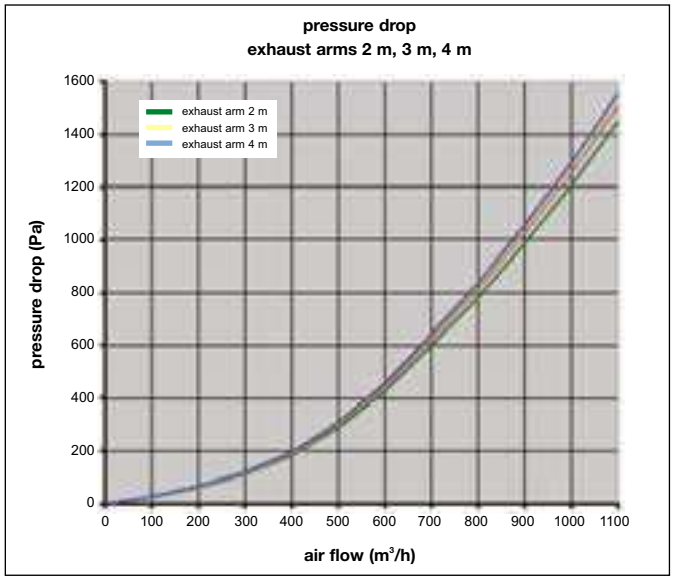
Technical data

Weight at a length of 2,0 m:	17,0 kg
Weight at a length of 3,0 m:	21,0 kg
Weight at a length of 4,0 m:	27,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
79 002	Length 2,0 m, Ø 150 mm	414,00
79 003	Length 3,0 m, Ø 150 mm	455,00
79 004	Length 4,0 m, Ø 150 mm	493,00



Suggested mounting height



The digram indicates the pressure drop of the exhaust arms against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
For accessories and spare parts see page 13 / 14.

Flexible exhaust arms

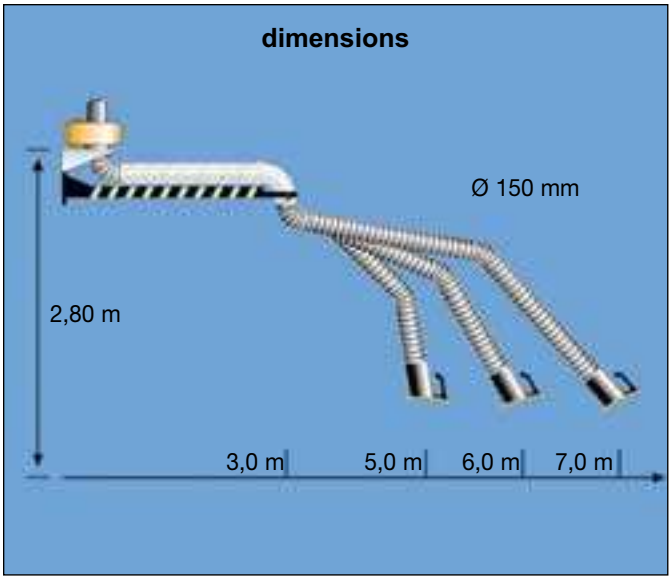
KEMPER exhaust arms with a length of 5 m, 6 m and 7 m are equipped with a ball-bearing swivelling wall extension boom. A standard swivelling exhaust arm with a length of 2 m, 3 m, or 4 m is fastened to this wall boom. The special way of fastening the arm to the boom allows to swivel the exhaust arm by 360°.

A C-profile is fastened to the bottom of the wallboom so that equipment or a wire feed unit up to 50 kg can be fixed to the included travellers. This makes work easier, helps to protect expensive material and prevents accidents being caused by tools and cables on the floor. *KEMPER* exhaust arms can be connected to fans or a ducting system.

Technical data

Weight at a length of 5,0 m:	75,0 kg
Weight at a length of 6,0 m:	79,0 kg
Weight at a length of 7,0 m:	85,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
79 005	Length 5,0 m Ø 150 mm	796,00
79 006	Length 6,0 m Ø 150 mm	988,00
79 007	Length 7,0 m Ø 150 mm	1.124,00



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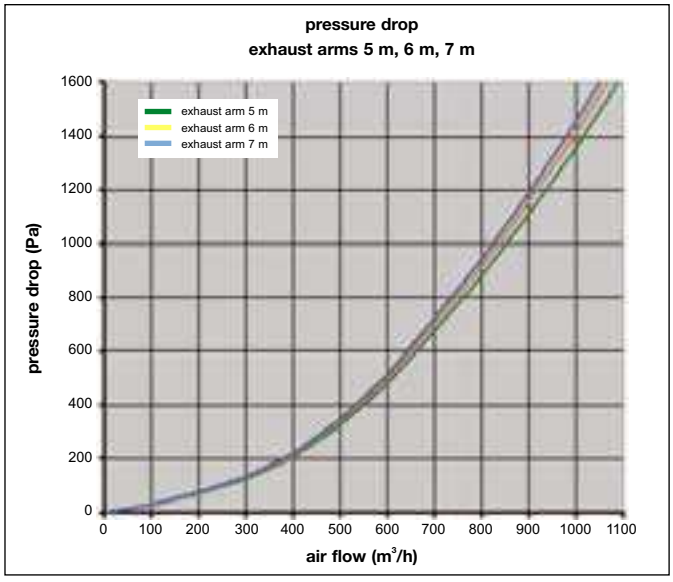


The digram indicates the pressure drop of the exhaust arms against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
For accessories and spare parts see page 13 / 14.

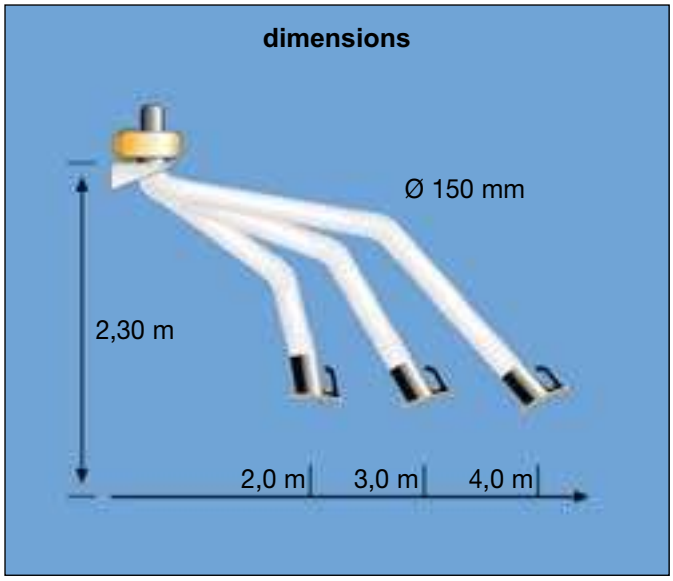
Rigid metal tube arms

As well as the flexible exhaust arm, the rigid metal tube arm is extremely suitable for the local extraction of welding fumes, gases, damps, slight dusts and solvents.
The rigid metal tube arm consists of an interior spring supported parallelogram linkage and two epoxy-coated aluminium pipes as well as three flexible hose pieces at the joints. The exhaust hood with a damper can be swivelled by 360°.
The standard fan is fastened to the wall bracket with a toggle tip fastener.
Due to the construction of the parallelogram, the exhaust arm can easily be brought into every position without any additional support.
KEMPER exhaust arms can be connected to fans or to a central filtration system.

Technical data

Weight at a length of 2,0 m:	17,0 kg
Weight at a length of 3,0 m:	21,0 kg
Weight at a length of 4,0 m:	27,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
79 502	Length 2,0 m, Ø 150 mm	592,00
79 503	Length 3,0 m, Ø 150 mm	689,00
79 504	Length 4,0 m, Ø 150 mm	766,00



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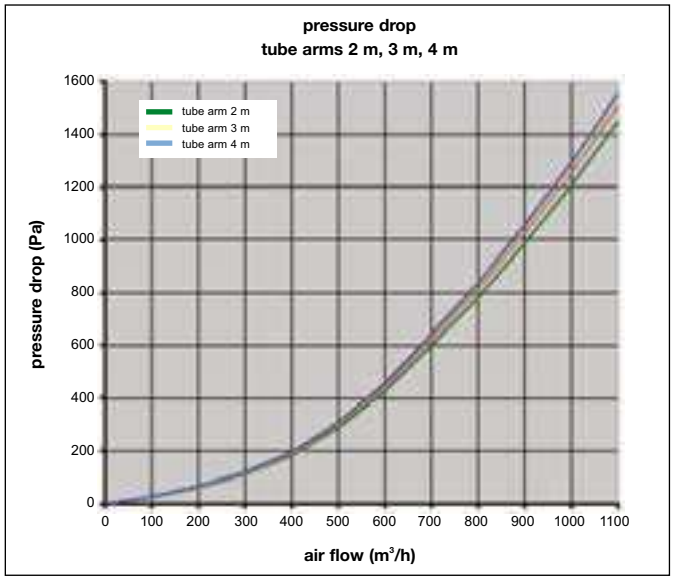


The digram indicates the pressure drop of the tube arms against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
For accessories and spare parts see page 13 / 14.

Rigid metal tube arms

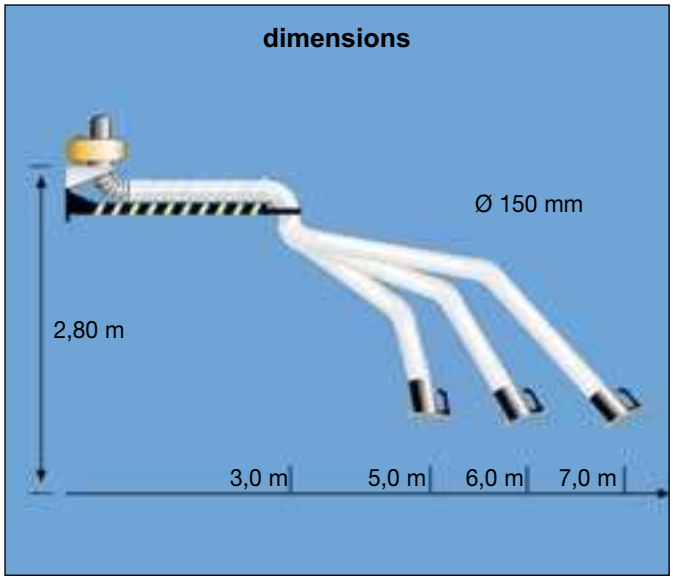
KEMPER exhaust arms with a length of 5 m, 6 m and 7 m are equipped with a ball-bearing swivelling wall extension boom. A standard swivelling exhaust arm with a length of 2 m, 3 m, or 4 m is fastened to this wall boom. The special way of fastening the arm to the boom allows to swivel the exhaust arm by 360°.

A C-profile is fastened to the bottom of the wallboom so that equipment or a wire feed unit up to 50 kg can be fixed to the included travellers. This makes work easier, helps to protect expensive material and prevents accidents being caused by tools and cables on the floor. *KEMPER* exhaust arms can be connected to fans or a ducting system.

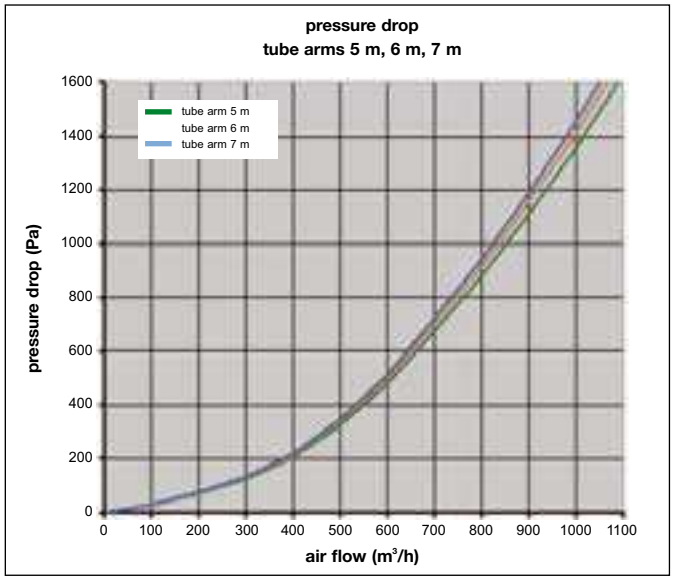
Technical data

Weight at a length of 5,0 m:	75,0 kg
Weight at a length of 6,0 m:	79,0 kg
Weight at a length of 7,0 m:	85,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
79 505	Length 5,0 m, Ø 150 mm	989,00
79 506	Length 6,0 m, Ø 150 mm	1.098,00
79 507	Length 7,0 m, Ø 150 mm	1.315,00



Suggested mounting height



The digram indicates the pressure drop of the tube arms against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
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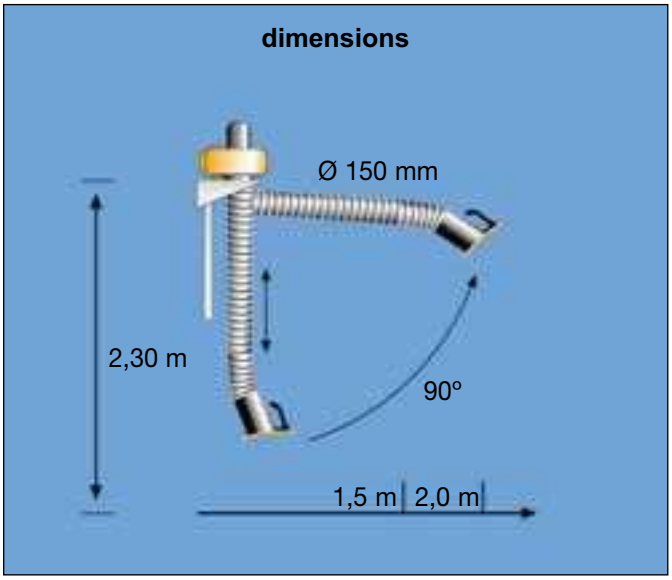
Telescopic exhaust arms

The telescopic arm has been designed especially for welding schools where small welding tables are in use.
In these places it is difficult to use the standard exhaust arm, which would disturb the trainee with its wide swivel range.
The telescopic arm allows a smooth vertical movement and can also be swiveled to the left and right.
The exhaust hood is fitted with an universal joint and allows also to be directed into any position.
These features make this arm the ideal solution for all applications with restricted space.

Technical data

Weight at a length of 1,5 m:	16,0 kg
Weight at a length of 2,0 m:	18,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
91 315	Length 1,5 m, Ø 150 mm	539,00
91 320	Length 2,0 m, Ø 150 mm	548,00



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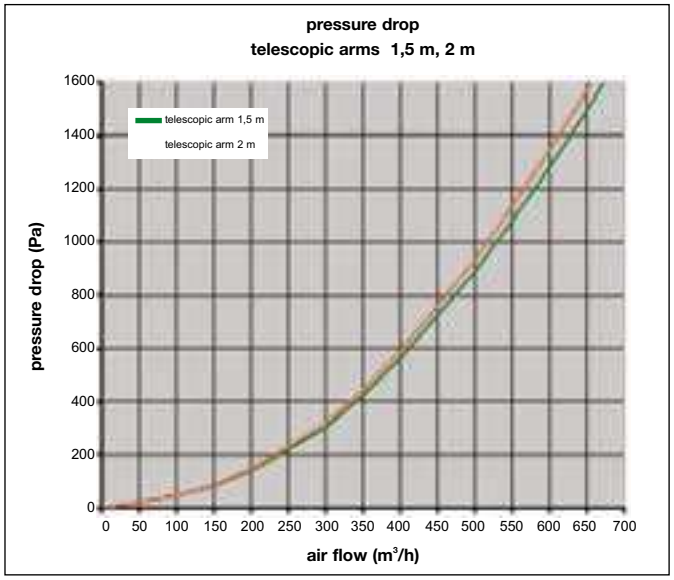


The digram indicates the pressure drop of the telescopic arms against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
For accessories and spare parts see page 13 / 14.

Exhaust arms for rail channels

In order to expand the range of the exhaust arms they can be connected to carriages on an extraction rail channel. Then, the exhaust arm can be moved across the full length of the channel. This is an advantage especially when working on huge workpieces.
The exhaust arm is rotatable by 360° underneath the carriage, so that every position within its range is easily reachable.
KEMPER rail channels can be connected to fans or to a central filtration system.

Technical data

Weight at a length of 2,0 m:	17,0 kg
Weight at a length of 3,0 m:	21,0 kg
Weight at a length of 4,0 m:	27,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
79 002 100	Length 2,0 m, Ø 150 mm	375,00
79 003 100	Length 3,0 m, Ø 150 mm	416,00
79 004 100	Length 4,0 m, Ø 150 mm	454,00
97 300 106	Carriage for extraction rail	468,50
97 200 135	Extraction rail channel, 3,0 m	351,00
97 200 150	End cap for rail channel	17,00
97 200 152	Connection piece at top side, Ø 160 mm	48,00

Exhaust arms for upright assemblies

The *KEMPER* exhaust arms for upright assemblies are very suitable for worktables, adequate exhaust appliances or existing exhaust machines.
The provided flange will be screwed directly on to corresponding machine and is rotatable by 360°.

Technical data

Weight at a length of 2,0 m:	17,0 kg
Weight at a length of 3,0 m:	21,0 kg
Weight at a length of 4,0 m:	27,0 kg
Diameter:	150 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)
Inner diameter flange:	154 mm
Screw-hole circle:	201 mm
Screw-holes flange:	8 x 8 mm

Part No.	Description	€
79 102	Length 2,0 m, Ø 150 mm	408,00
79 103	Length 3,0 m, Ø 150 mm	446,00
79 104	Length 4,0 m, Ø 150 mm	471,00

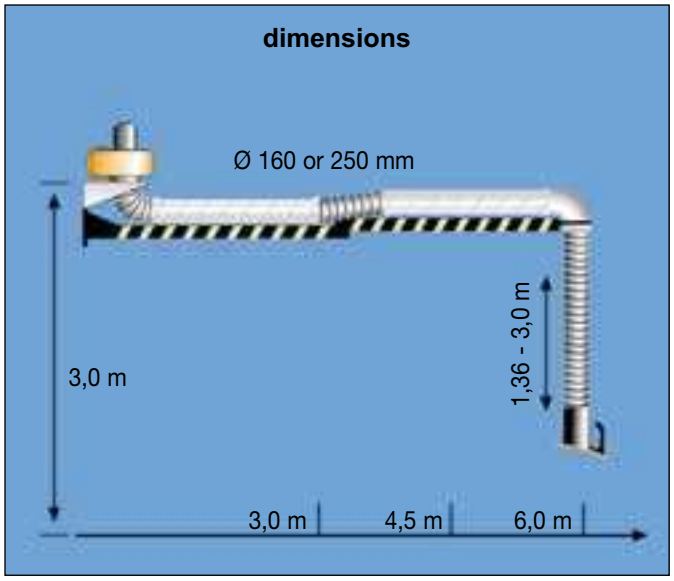
Exhaust cranes

The ball bearing swivel exhaust crane is as well as the exhaust arm ideally suitable for local extraction of hazardous substances. The two part crane boom is suitable to suspend 50 kg from the first boom (e.g. wire feed unit) and 10 kg from the second. The complete profile steel construction is epoxy powder coated. The joints with adjustable snappers, an extraction pipe with flexible hoses at the joints and a self supporting telescopic arm including the exhaust hood guarantee a very high flexibility. The exhaust crane can be connected to fans with different performances and also to filter units by a ducting system. Accessories like automatic start-stop and lighting can be fitted.

Technical data

Weight at a length of 4,5 m:	120,0 kg
Weight at a length of 6,0 m:	130,0 kg
Diameter:	160 mm
Noise level at 1.000 m³/h:	approx. 64 dB (A)

Part No.	Description	€
91 130	Length 3,0 m, Ø 160 mm	1.060,00
91 145	Length 4,5 m, Ø 160 mm	1.342,00
91 160	Length 6,0 m, Ø 160 mm	1.896,00



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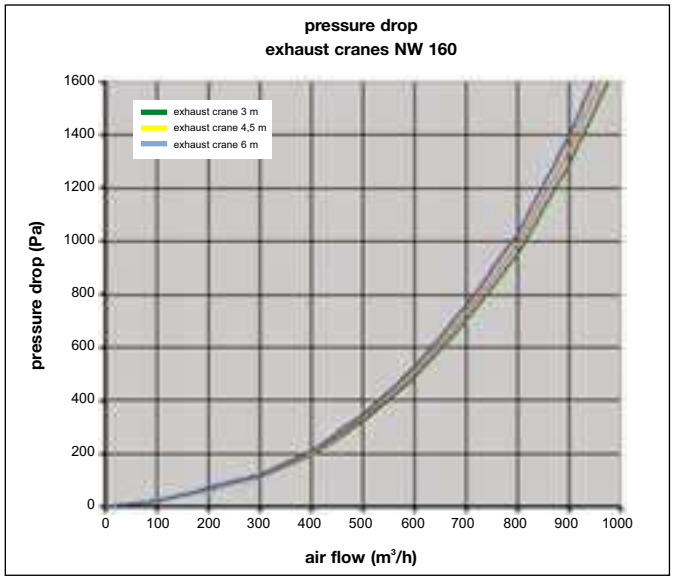


The digram indicates the pressure drop of the exhaust cranes against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
For accessories and spare parts see page 13 / 14.

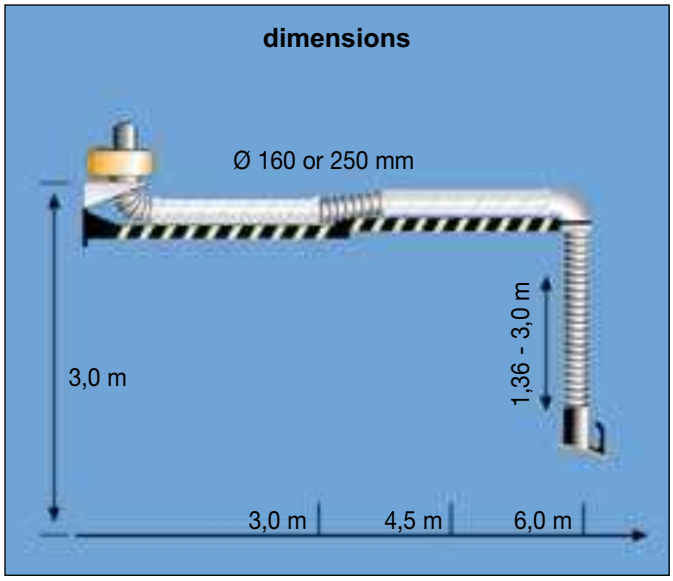
Exhaust cranes

The *KEMPER* exhaust cranes with a diameter of 250 mm are very suitable for the extraction of higher air flows. They can be used where huge amounts of dusts are produced during industrial processes.

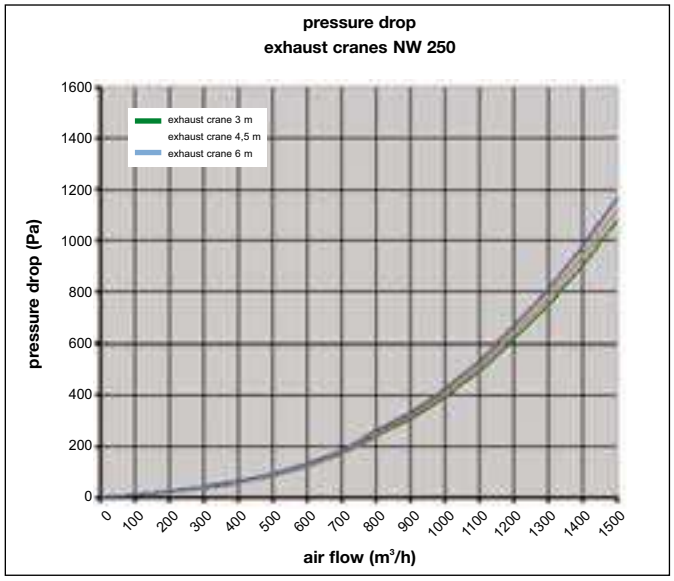
Technical data

Weight at a length of 4,5 m:	126,0 kg
Weight at a length of 6,0 m:	138,0 kg
Diameter:	250 mm
Noise level at 1.500 m³/h:	approx. 67 dB (A)

Part No.	Description	€
91 245	Length 4,5 m, Ø 250 mm	1.947,00
91 260	Length 6,0 m, Ø 250 mm	2.566,00



Suggested mounting height



The digram indicates the pressure drop of the exhaust cranes against the air flow.

For adequate fans see page 16.
For ducting systems see page 172.
For accessories and spare parts see page 13 / 14.

Accessories for exhaust arms, telescopic arms and cranes

Lighting set

Lighting set for installation in an existing *KEMPER* exhaust hood
2 x 12 V – 70 W, including transformer box, without exhaust hood.

Part No.	Description	€
79 103 011	Lighting set incl. transformer box	238,00

Lighting set

In combination with an automatic start-stop (see page 19).
Lighting set for the installation in an existing *KEMPER* exhaust hood
2 x 12 V – 70 W, including transformer box, without exhaust hood.

Part No.	Description	€
79 103 015	Lighting set incl. transformer box	212,00

Connecting material

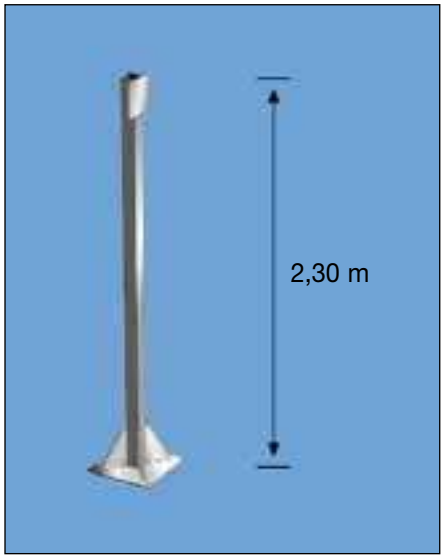
Complete set to fasten an outgoing air hose, diam. 160 mm, to the air escape side of the ventilator or to the wall bracket of an exhaust arm.

Part No.	Description	€
93 018	Set of connecting material	29,70

Connecting pipe

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

Part No.	Description	€
93 200	Connecting pipe Ø 160 mm	64,20



Column

This column is the optimal solution, if there is no possibility to fasten the exhaust arm to the wall or a pillar.
An exhaust arm with a length of up to 4 m can be installed.

Part No.	Description	€
998 800 280	Column for exhaust arms up to 4,0 m	418,00

Spare parts for exhaust arms, telescopic arms and cranes

Replacement hoses for exhaust arms, telescopic arms and exhaust cranes

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

Part No.	Description	€
11 403 48	For exhaust arms 2,0 m and 5,0 m, Ø 150 mm	64,00
11 403 49	For exhaust arms 3,0 m and 6,0 m, Ø 150 mm	96,00
11 403 50	For exhaust arms 4,0 m and 7,0 m, Ø 150 mm	126,50

Replacement hoses for rigid metal tube arms

For rigid metal tube arms, polyester hose with PVC coating and an internal steel wire spiral.

Part No.	Description	€
79 103 09	Set of replacement hoses (3 pcs.)	57,50

High temperature replacement hoses

For rigid metal tube arms, polyester hose with PVC coating and an internal steel wire spiral. High temperature version, heat resistant up to + 310 °C

Part No.	Description	€
79 103 10	Set of HT hoses (3 pcs.)	207,00

Replacement hoses for telescopic exhaust arms

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

Part No.	Description	€
93 081 107	Length 1,5 m for telescopic exhaust arms, Ø 150 mm	48,00
93 081 106	Length 2,0 m for telescopic exhaust arms, Ø 150 mm	64,00
93 084 108	For telescopic part of the exhaust crane, Ø 160 mm	103,00
93 084 104	For telescopic part of the exhaust crane, Ø 250 mm	159,00

Exhaust hood

Replacement exhaust hood for exhaust arms and telescopic exhaust arms incl. swivel joint and fastening material.

Part No.	Description	€
79 103 00	Exhaust hood	89,00
79 103 010	Exhaust hood incl. lamps for lighting kit	186,00

Protective mesh

Replacement mesh for the *KEMPER* exhaust hood.

Part No.	Description	€
12 700 91	Mesh for exhaust hood	29,90

Fans

Fans series M

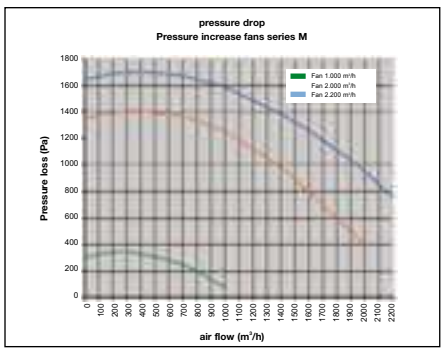
These fans have especially been designed for the use with exhaust arms, telescopic arms and exhaust cranes.
The impeller wheel and the powder coated housing consist of spark proved aluminium casting. The impeller wheel is balanced statically and dynamically. Therefore, excellent operating characteristics are achieved and the fan produces a very low noise level.
The fan is supplied with toggle tip fasteners for an easy and fast installation to the wall bracket without any additional accessories. The air flow can be directed according to the requirements.

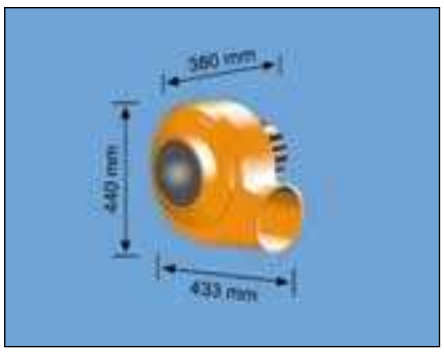
The *KEMPER* fans are also suitable for transporting bulk solids, dusts or the like.

Recommended fans

Telescopic exhaust arm:	1.000 m³/h
Exhaust arm 2 - 4 m long:	1.000 / 2.000 / 2.200 m³/h
Exhaust arm 5 - 7 m long:	2.000 / 2.200 m³/h
Exhaust crane Ø 160 mm:	2.200 / 3.000 m³/h

Part No.	Fan performance	Motor power	Voltage	Weight	€
92 101	1.000 m³/h	0,55 kW	3 x 400 V / 50 Hz	23 kg	540,00
92 102	1.000 m³/h	0,55 kW	1 x 230 V / 50 Hz	23 kg	660,00
92 103	1.000 m³/h	0,55 kW	3 x 500 V / 50 Hz	23 kg	677,00
92 104	2.000 m³/h	0,75 kW	3 x 400 V / 50 Hz	23 kg	582,00
92 105	2.000 m³/h	0,75 kW	1 x 230 V / 50 Hz	23 kg	670,00
92 106	2.000 m³/h	0,75 kW	3 x 500 V / 50 Hz	23 kg	698,00
92 104 100	2.200 m³/h	1,10 kW	3 x 400 V / 50 Hz	24 kg	715,00
92 104 116	2.200 m³/h	1,10 kW	3 x 500 V / 50 Hz	24 kg	952,00
		other voltages available on request			
	Fans with explosion proof motor				
92 108	1.000 m³/h	0,55 kW	3 x 400 V / 50 Hz	24 kg	755,00
92 109	2.000 m³/h	0,75 kW	3 x 400 V / 50 Hz	24 kg	930,00
		other voltages available on request			





Fans series H

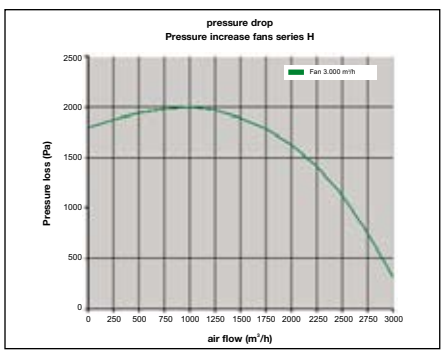
The fans of the series H are, as well as the fans of the series M, suitable for industrial application and the connection to *KEMPER* exhaust arms, telescopic exhaust arms and exhaust cranes.

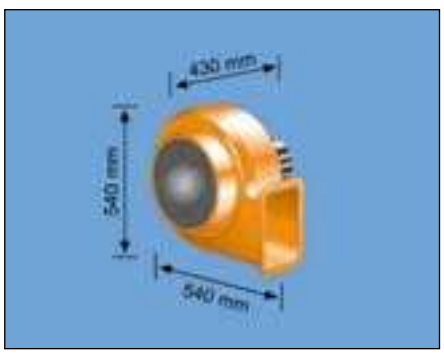
The *KEMPER* fans are also suitable for transporting bulk solids, dusts or the like.

Recommended fans

Exhaust crane Ø 160 mm:	2.000 / 3.000 m³/h
Exhaust crane Ø 250 mm:	3.000 m³/h

Part No.	Fan performance	Motor power	Voltage	Weight	€
92 215	3.000 m³/h	1,50 kW	3 x 400 V / 50 Hz	36 kg	1.375,00
92 215 100	3.000 m³/h	1,50 kW	3 x 500 V / 50 Hz	36 kg	1.520,00
92 215 111	3.000 m³/h	1,50 kW	1 x 230 V / 50 Hz	36 kg	1.410,00
		other voltages available on request			
	Fans with explosion proof motor				
92 215 119	3.000 m³/h	1,50 kW	3 x 400 V / 50 Hz	37 kg	1.835,00
		other voltages available on request			





Accessories for fans

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.

Part No.	Description	€
94 102	Automatic start-stop	531,00

Connecting material

Complete set to fasten an outgoing air hose, Ø 160 mm, to the air escape side of the ventilator or to the wall bracket of an exhaust arm.

Part No.	Description	€
93 018	Set of connecting material	29,70

Connecting pipe

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

Part No.	Description	€
93 200	Connecting pipe Ø 160 mm	64,20

Blow out piece

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

Part No.	Description	€
93 045	Blow out piece with bird protective mesh, galvanised	64,20

Silencer

For fans on page 17.

Part No.	Description	€
93 051	Silencer for fans	166,00

Wall bracket for fans

For the connection of hoses, for fans up to 2.200 m³/h.

Part No.	Description	€
93 002	For 1 hose Ø 100 mm	121,00
93 001	For 1 hose Ø 150 mm	134,00
93 005	For 1 hose Ø 160 mm	147,00
93 003	For 2 hoses Ø 100 mm	156,00
93 004	For 2 hoses Ø 150 mm	184,00
93 006	For 2 hoses Ø 160 mm	212,00

Motor protection switch

The following motor protection switches can be used for the electrical connection of *KEMPER* fans. In the following table you can find the corresponding switch easily.

Part No.	For fans	Voltage	€
94 170 124	92 101	0,55 kW · 3 x 400 V / 50 Hz	69,80
94 170 119	92 102	0,55 kW · 1 x 230 V / 50 Hz	69,80
94 170 124	92 103	0,55 kW · 3 x 500 V / 50 Hz	69,80
94 170 123	92 104	0,75 kW · 3 x 400 V / 50 Hz	69,80
94 170 118	92 105	0,75 kW · 1 x 230 V / 50 Hz	69,80
94 170 124	92 106	0,75 kW · 3 x 500 V / 50 Hz	69,80
94 170 121	92 104 100	1,10 kW · 3 x 400 V / 50 Hz	69,80
94 170 122	92 104 116	1,10 kW · 3 x 500 V / 50 Hz	69,80
94 170 104	92 108	0,55 kW · 3 x 400 V / 50 Hz	541,00
94 170 105	92 109	0,75 kW · 3 x 400 V / 50 Hz	541,00
94 170 120	92 215	1,50 kW · 3 x 400 V / 50 Hz	69,80
94 170 121	92 215 100	1,50 kW · 3 x 500 V / 50 Hz	69,80
94 170 116	92 215 111	1,50 kW · 1 x 230 V / 50 Hz	69,80
94 170 106	92 215 119	1,50 kW · 3 x 400 V / 50 Hz	541,00

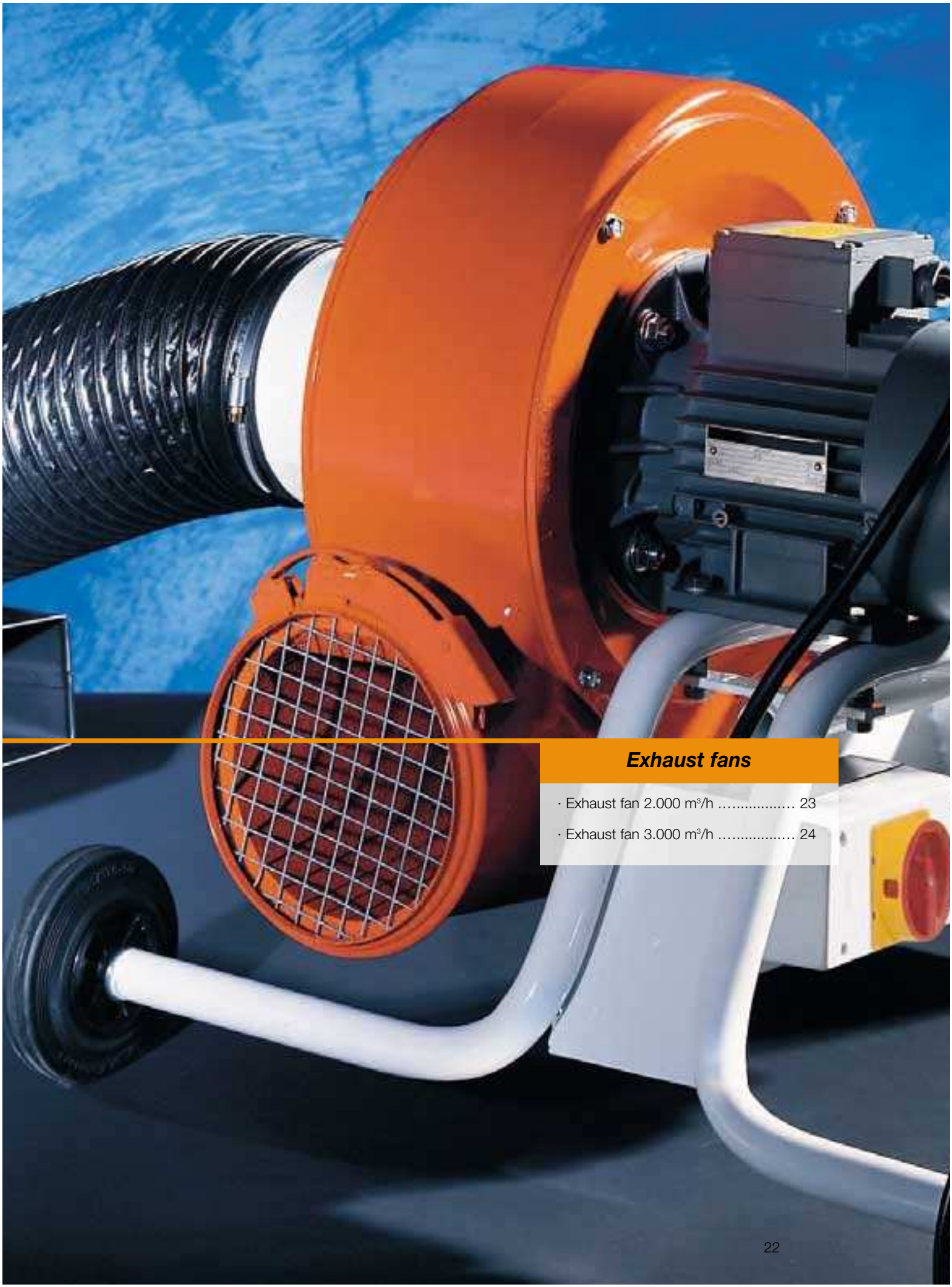
Exhaust hoses

In the following table you can find suitable hoses with exhaust hood for connection to the fans of the series H and M.

Part No.	Description	€
93 082	Exhaust hose, Ø 100 mm, length 6,0 m, fibre glass reinforcement with PVC coating and steel wire spiral incl. exhaust nozzle with magnetic foot	198,00
93 083	Exhaust hose, Ø 150 mm, length 6,0 m as described above	218,00

KEMPER exhaust hood with magnetic foot.

Part No.	Description	€
79 103 31	Exhaust hood with magnetic foot, including exhaust hose, Ø 160 mm, length 6,0 m	224,00



Exhaust fans

Exhaust fan 2.000 m³/h

The exhaust fan 2.000 has a variety of multiple uses.
It can either be used for the extraction of welding fumes, dust, car exhaust gases or for the transport of packaging.

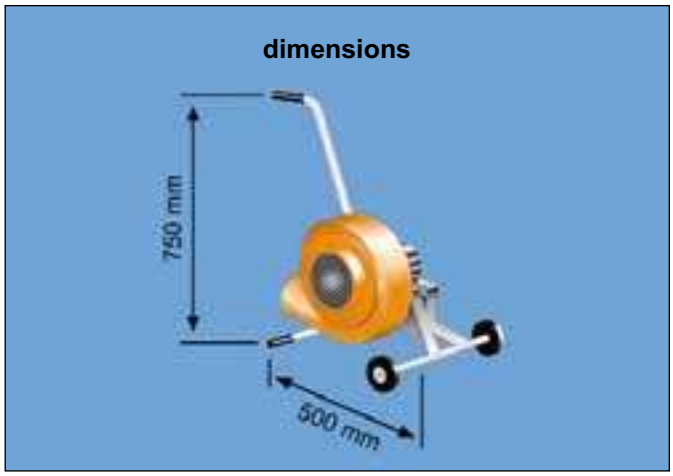
Other applications include the ventilation of containers or pipes.

The exhaust fan has been designed for tough industrial conditions. The housing and impeller wheel are made of aluminium casting. The rigid fan housing and trolley are epoxy powder coated.

A variety of different extraction and pressure hoses are available.The exhaust fan comes as a complete kit with all necessary parts for mobile and portable applications.

Technical data

Weight:	30,0 kg
Noise level:	approx. 68 dB (A)



Part No.	Description	€
91 623	Exhaust fan ventilator: 2.000 m³/h, motor: 0,75 kW · 3 x 400 V / 50 Hz	938,00
91 623 100	Exhaust fan ventilator: 2.000 m³/h, motor: 0,75 kW · 1 x 230 V / 50 Hz	968,00
93 082	Exhaust hose Ø 100 mm, length 6,0 m, incl. exhaust hood with magnetic foot	198,00
93 083	Exhaust hose Ø 150 mm, length 6,0 m, incl. exhaust hood with magnetic foot	218,00
79 103 31	Exhaust hose Ø 160 mm, length 6,0 m, incl. exhaust hood with magnetic foot	224,00
93 084	Outgoing air hose, Ø 160 mm, length 6,0 m	186,00

Part No. 93 083

Part No. 93 084

Exhaust fan 3.000 m³/h

The mobile exhaust fan 3.000 is perfect for moving large amounts of air, dusts, welding fumes or the like.

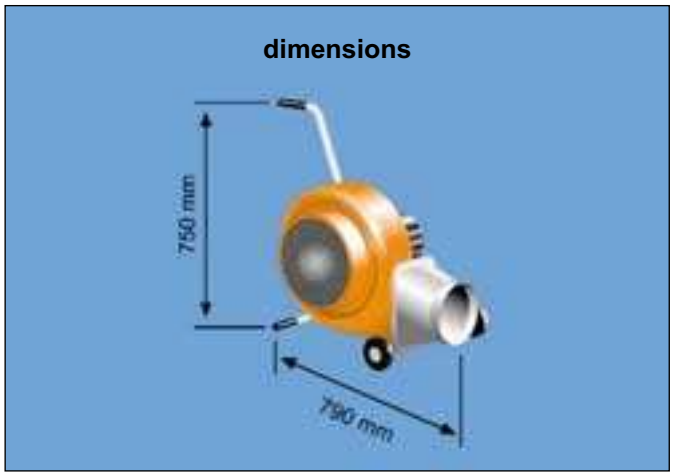
The housing consists of spark proof aluminium casting and the impeller wheel is made of steel.

The unit includes a 5,0 m mains cable and a motor protection switch.

Different hoses of 250 mm are available and can be connected with a hose clamp either to the inlet and outlet opening of the mobile fan.

Technical data

Weight:	38,0 kg
Noise level:	approx. 69 dB (A)



Part No.	Description	€
91 618	Exhaust fan ventilator: 3.000 m³/h, motor: 1,5 kW · 3 x 400 V / 50 Hz	1.577,00
91 618 100	Exhaust fan ventilator: 3.000 m³/h, motor: 1,5 kW · 1 x 230 V / 50 Hz	1.695,00
93 087	Exhaust hose, Ø 250 mm, length 6,0 m, incl. exhaust hood with magnetic foot	256,00
93 087 100	Exhaust hose Ø 250 mm, length 10,0 m, incl. exhaust hood with magnetic foot	325,00
93 088	Outgoing air hose Ø 250 mm, length 6,0 m	228,00


Part No. 93 087


Part No. 93 088