01 MOBILE GRAND VENTILATORS

MAXIMUM VENTILATION. CLEAR ADVANTAGE.

Mobile large-scale ventilators are essential tools for modern fire services, enabling the rapid and effective ventilation of large structures such as industrial facilities, underground parking garages, shopping centers, and high-rise buildings. They improve visibility, reduce hazardous smoke gases, and lower interior temperatures — critical factors for firefighter safety and successful rescue operations.

Through their targeted, high-performance airflow, mobile large-scale ventilators enable ventilation capacities far beyond the capabilities of conventional methods. They play a decisive role in supporting rescue operations, accelerating tactical success, and minimizing damage to buildings and infrastructure.

WHY LARGE-SCALE FANS ARE INDISPENSABLE

Mobile large-scale fans are essential whenever high airflow volumes and stable airflows are required over long distances or over significant heights. In real-world operations, this performance cannot be achieved by combining multiple small fans. Smaller units generate only localized airflow; their air streams are too weak, too diffuse, and cannot simply be combined into effective large-scale ventilation.
Large-scale fans, by contrast, produce powerful, directional airflow with long reach and the pressure required to ventilate even extensive or complex structures effectively. This creates a controlled airflow: fresh air is supplied precisely where needed, while smoke and heat are removed in a targeted and efficient manner.
Especially in high-rise operations, the required static pressure becomes a decisive factor — one that can only be reliably achieved with mobile large-scale fans.

MOBILE LARGE-SCALE FANS DON'T JUST MOVE AIR – THEY MAKE THE DIFFERENCE

WHY A LARGE-SCALE FAN INSTEAD OF A FIRE-FIGHTING SUPPORT VEHICLE?

A mobile large-scale fan is the most efficient solution for ventilating large structures because it is purpose-built specifically for this task — delivering maximum airflow performance, long reach, and precise control. A fire-fighting support vehicle, by contrast, is a multifunctional system where ventilation is only one of many capabilities — and therefore inherently limited.

Mobile large-scale fans move significantly higher air volumes, enabling the rapid and effective smoke extraction of large buildings and complex structures. They generate stable, directional airflow patterns that are essential for controlled smoke removal. A fire-fighting support vehicle cannot achieve the same level of airflow precision or ventilation performance in large-scale operations.

In addition, mobile large-scale fans can be positioned optimally in front of air inlets and aligned with maximum accuracy. A fire-fighting support vehicle offers far less flexibility in this regard. Furthermore, a fire-fighting support vehicle cannot extinguish and ventilate simultaneously — it must always prioritize one function over the other. A mobile large-scale fan, however, operates independently alongside firefighting activities, continuously improving operational conditions throughout the incident. Using a fire-fighting support vehicle for ventilation also typically involves significantly higher acquisition, operating, and maintenance costs — while delivering lower ventilation efficiency. A large-scale fan therefore represents the more economical and more powerful solution.

A mobile large-scale fan is a specialist designed for maximum ventilation performance. A fire-fighting support vehicle is an all-round system with limited ventilation capability.

MGV® XP

XTREME PERFORMANCE WITHOUT COMPROMISE

WHERE STANDARD ENDS,
XTREME PERFORMANCE BEGINS.

The XP125 and XP105 are redefining incident-site ventilation. As the first hydraulically driven Mobile Grand Ventilators in lightweight construction, they combine uncompromising power with exceptional flexibility — engineered for maximum performance in the most demanding operational scenarios.

Built for high airflow volumes and extreme conditions, the XP models offer capabilities far beyond those of conventional large-scale fans. With an exceptional tilt range from +35° to -90°, they enable vertical ventilation through shafts, utility tunnels, and ground-level openings — wherever conventional systems reach their limits. The patented lifting and tilting technology opens up entirely new tactical possibilities for airflow control and ventilation.

MAXIMUM POWER. MAXIMUM FLEXIBILITY.
MAXIMUM OPERATIONAL CONTROL.

HYDRAULIC POWER – A CLEAR ADVANTAGE

The hydraulic drive system of the MGV enables operation independent of fan orientation. The result: an exceptional tilt range for maximum operational flexibility. Mounted on trailers and roll-off containers, the high-performance drive units deliver uncompromising power. When integrated into a vehicle, the power take-off system (PTO) opens up entirely new possibilities — greater flexibility combined with a compact design and reduced weight.

The open fan design ensures unrestricted airflow to the impeller, delivering outstanding ventilation performance within its class.

TECHNOLOGY THAT OPENS NEW POSSIBILITIES

The patented lifting and tilting technology enables an exceptionally wide range of applications — from vertical ventilation to targeted airflow through elevated air inlets or over obstacles. When vehicle-mounted, the Xtreme Performance large-scale fan XP can be precisely aligned thanks to its integrated rotation mechanism, delivering maximum effect exactly where it is needed.
The specially developed control system combines advanced convenience features with simple and safe operation. The wired remote control with integrated TFT display provides a clear overview of all relevant operating data and allows precise, intuitive control throughout the operation.

TECHNOLOGY THAT ADAPTS TO THE OPERATION
– NOT THE OTHER WAY AROUND.

MGV® L125

PERFORMANCE THAT SETS STANDARDS

When it comes to ventilating large-scale incident sites, there is no room for compromise. The MGV® L125 is built for the toughest challenges: industrial facilities, underground parking garages, high-rise buildings, airports, and kilometer-long tunnels. For more than 20 years — now in its 4th generation — it has stood for uncompromising performance and continuous innovation. Powered by a proven FORD 4-cylinder engine, it delivers reliable performance when it matters most. Its intelligent lightweight design ensures maximum flexibility: whether mounted on a trailer with a gross vehicle weight of 750 kg or integrated into vehicles up to 3.5 t GVW, the MGV® L125 adapts to the operational concept — not the other way around.

PERFORMANCE-OPTIMIZED DESIGN

The double-shell airflow shroud made from GRP ensures optimal aerodynamics while maintaining low weight. The specially developed propeller blades made of carbon fiber-reinforced composite (CFRP) combine high rigidity with minimal weight, enabling higher rotational speeds and increased airflow performance.
The toothed belt drive allows the impeller and engine speeds to operate independently and in perfect synchronization.
As a result, the impeller always operates within its ideal performance range.

MAXIMUM FLEXIBILITY

The MGV® L125 offers a wide range of mounting configurations and options. Its lifting and tilting devices allow precise airflow alignment — even under challenging site conditions — and make it easy to overcome obstacles such as walls or hedges. Especially in confined spaces near air inlets, the integrated rotation mechanism enables optimal fan adjustment without the need to reposition the vehicle or trailer. This reduces the required space and simplifies deployment.
The remote control with integrated TFT display provides a clear overview of all relevant operating data. An integrated water mist system generates a finely atomized mist for large-scale cooling, gas suppression, and firefighting applications.

MOUNTING CONFIGURATIONS – THE RIGHT SOLUTION FOR EVERY OPERATIONAL CONCEPT

BIG offers a wide range of mounting configurations for all Mobile Grand Ventilators — tailored to diverse operational requirements and vehicle concepts.

The MGV® L125 can be integrated with maximum flexibility: from compact passenger-car trailers for maximum mobility, to larger single-axle trailers with equipment compartments and additional storage capacity, all the way to vehicle chassis with a gross vehicle weight of 3.5 t. For more extensive operational concepts, larger chassis platforms with expanded equipment options as well as roll-off container solutions are available, providing fully integrated and high-performance ventilation units.

These mounting configurations are also available for the XP125 and XP105 models — with the exception of the particularly compact Speed and 3.5 t chassis solutions. In addition, BIG develops custom solutions for specialized operational scenarios, such as the MGV® L105 mounted on a tracked off-road chassis for difficult terrain or mobile platforms designed for helicopter transport when rapid and independent deployment is essential.

This creates the ideal combination of performance, mobility, and equipment for every fire service — precisely tailored to the respective operational concept.

SPEED – LIGHTWEIGHT, FAST, POWERFUL

The SPEED models are designed to be exceptionally lightweight and highly maneuverable, allowing effortless positioning by a single operator — ideal for rapid deployment and confined operating environments.

With a gross vehicle weight below 750 kg, no special driver's license is required. At the same time, the SPEED models deliver the same extreme airflow performance, enabling effective ventilation even in demanding operational scenarios. Thanks to their simple handling, a rotation mechanism is unnecessary. The SPEED L model additionally features an integrated tilting system for precise airflow alignment.

Due to their compact design, payload capacity is limited, meaning additional equipment must be transported separately.

SIMPLE OPERATION BY ONE PERSON

ACTION – SINGLE-AXLE TRAILERS FROM 1,350 TO 2,000 KG

The ACTION trailer models provide an economical and flexible solution for deploying mobile large-scale fans. One of their key advantages is the low acquisition and operating costs. Thanks to their single-axle design, the trailers can also be positioned easily by two operators by hand — an important advantage, particularly in confined operational environments. A wide range of equipment options is available, from spiral duct systems to integrated lighting masts for optimal scene illumination.

TASK – VEHICLE-MOUNTED AND ROLL-OFF CONTAINER SOLUTIONS

The TASK models are designed for installation on vehicle chassis or as roll-off container systems. In vehicle-mounted configurations, the large-scale fan is permanently integrated and ready for immediate operation without setup time — an important advantage, particularly during longer response distances. Larger chassis platforms also provide high payload capacity for extensive equipment and additional operational gear. These advantages are balanced by higher acquisition and operating costs as well as increased space requirements at the incident scene.

The roll-off container solution offers maximum flexibility: when pre-loaded, it can be deployed rapidly, while the carrier vehicle remains available for multiple applications instead of being permanently assigned. The high payload capacity also allows the transport of multiple large-scale fans or extensive additional equipment. Factors to consider include higher acquisition costs, greater space requirements at the incident scene — especially during container unloading — and limited access to equipment while the container remains mounted on the carrier vehicle.

The TASK models offer the widest range of operational and equipment configurations.

MGV® L80

COMPACT, POWERFUL, VERSATILE

A true all-rounder: the MGV® L80 II combines high performance with a compact design, bridging the critical gap between portable fans and mobile large-scale ventilators such as the L125 or XP125.

It delivers significantly greater airflow performance and reach than portable high-performance fans — without the complexity, cost, and space requirements of a bigger large-scale system. This makes it the ideal solution for the effective ventilation of medium-sized structures such as underground parking garages, schools, sports facilities, and commercial buildings.

FAST AND EFFECTIVE IN OPERATION

Since its market introduction in 2010, the MGV® L80 established an entirely new performance class. With the MGV® L80 II, this concept has been consistently refined and elevated to a new technical level. It is the ideal choice for fire services that require more performance than standard equipment can provide, while still depending on flexibility, compact dimensions, and cost efficiency.

TECHNICALLY OPTIMIZED

Especially in the MGV® L80 II B, the redesigned toothed belt drive ensures optimized airflow to the impeller, resulting in increased efficiency. Combined with the high-quality Honda GX-series engines, this drive concept guarantees maximum reliability and exceptional performance values.

The optimized power transmission also made it possible to reduce the size of the specially developed GRP adapter without compromising performance — quite the opposite: the design enables exceptionally high suction performance within this class.

All models in the L80 II series additionally feature electric tilt adjustment with an exceptionally wide tilt range. This allows the fan to be aligned precisely with the air inlet opening — an important advantage, particularly when ventilating basements and underground parking garages.

The MGV® L80 II B+ also sets new standards in operating comfort and efficiency: electronic fuel injection ensures smoother engine operation, reduced fuel consumption, and reliable starting behavior with automatic choke control.

Thanks to its compact design — available either on a trailer or roll container — the MGV® L80 II is ready for rapid and flexible deployment.

OPTIMIZED FOR USE WITH LOGISTICS VEHICLES

WHY "BLOWING OUTWARDS" OFTEN FAILS

"Blowing outwards" smoke only works effectively when a sufficient supply of fresh air can flow into the structure at the same time. In practice, this is often limited by long distances, complex building layouts, or restricted air inlets. Without a stable and directed airflow, smoke is merely stirred up instead of being removed efficiently — and can even circulate back toward the fan.

From a physical standpoint, creating positive pressure is also significantly more efficient than attempting smoke extraction through negative pressure. Practical tests have shown that smoke removal by "blowing outwards" takes considerably longer than controlled positive-pressure ventilation under comparable conditions.

There are also important technical limitations: combustion engines operating in smoke-filled environments can become contaminated by soot, while many components are not designed for continuous exposure to high temperatures. In addition, operating directly within the smoke zone results in increased cleaning, maintenance, and wear.

MGV ELECTRIC

ZERO EMISSIONS. QUIET. MAXIMUM CONTROL.

For the ventilation of sensitive environments — such as hospitals or the food industry — the MGV® L80 II is also available with high-performance electric drive systems. Since no exhaust emissions are produced, these units are fully suitable for indoor operations.

The newly developed MGV® L105 E expands this application range into a higher performance class, offering the same advantages with significantly greater airflow capacity — ideal for larger or more complex structures where emission-free operation is essential.

At reduced operating speeds, propeller noise is significantly lowered, allowing the units to operate up to 80% more quietly. The high-quality industrial motors are powerful, maintenance-free, and designed for maximum durability.
Airflow performance can be regulated continuously and adjusted precisely to the specific operational requirements. Frequency-controlled drive technology ensures highly precise motor control, enabling particularly efficient power delivery and performance levels exceeding nominal output.
An optional wireless remote control is available for both models, enabling convenient and safe operation from a distance.

MOUNTING CONFIGURATIONS FOR L80 AND L105 E

BIG offers flexible mounting solutions for the MGV® L80 II B / E mobile large-scale fans, including roll containers and compact passenger-car trailers. The roll container solution is particularly efficient and practical when used in combination with logistics vehicles, enabling rapid transport and highly flexible deployment.
The MGV® L105 E is available on a specially developed trailer platform designed to provide exceptional operational flexibility.

As an option, the MGV® L105 can also be equipped with the lifting and tilting system of the XP 105. This enables a lifting height of up to 1.8 m and a tilt range from +35° to -90° — capabilities previously unmatched in this performance class. This creates maximum adaptability for a wide range of operational scenarios and allows tailored solutions to be developed, particularly for industrial fire brigades, precisely matched to their operational concepts.

CITY – MAXIMUM FLEXIBILITY IN OPERATION

The CITY models with roll-container systems provide an exceptionally flexible and maneuverable solution for operational deployment. Thanks to four-wheel steering and an all-wheel deadman brake system, the units can be maneuvered safely and precisely while ensuring maximum stability.
Due to the low overall weight, the roll container can be positioned easily by a single operator — even in difficult-to-access operational environments. The integrated tilt adjustment and optional lifting system allow rapid and precise alignment of the fan toward the air inlet opening.
The MGV® L80 II E11 is currently the only large-scale fan on the market that can be mounted transversely on a standard-size roll container, enabling particularly space-efficient transport and storage.
Various individually configurable roll-container solutions are available for transporting spiral duct systems and additional accessories. This allows equipment such as portable smoke blocker, or the FlexiFoam foam generation system to be carried flexibly as required.
In combination with logistics vehicles, transport can be organized efficiently alongside additional operational equipment.

SPEED – FAST TO DEPLOY. READY TO PERFORM.

The SPEED models are based on the specially developed BIG 750 single-axle trailer — engineered for demanding operations where standard solutions reach their limits. A galvanized steel frame, robust aluminum tread-plate components, and ergonomic handles ensure maximum durability while maintaining simple handling.
Thanks to the standard integrated tilting system, the unit can be positioned quickly and precisely by a single operator — without complex maneuvering or additional equipment.
While other systems offer only basic functionality, the SPEED models stand out through their extensive expandability: from lifting and rotation systems to spiral duct solutions and high-performance LED floodlights for optimal scene illumination.

NOT A STANDARD TRAILER.
AN OPERATIONAL SYSTEM.

TECHNICAL DATA

XP 125

XP 105

L 125 F3

MAX. AIR VOLUME EFFECTIVE	1.000.000 m³/h	600.000 m³/h	850.000 m³/h
AIR OUTPUT NOMINAL	220.000 m³/h	145.000 m³/h	200.000 m³/h
AXIAL THRUST	approx. 3.000 N	approx. 2.100 N	approx. 2.800 N
MAX. AIR SPEED	50 m/s	50 m/s	46 m/s
ENGINE	Gasoline / Diesel / PTO 6 / 4-cyl.-engine, water cooled EPA / EU Stage V	Diesel, 4-cyl.-engine, water cooled, turbocharger EU Stage V	Ford, 4-cyl.-gasoline engine, water cooled EU Stage V
ENGINE POWER	105 / 85 kW	55,4 kW	60 kW
PROPELLER	GRP with carbon fibre, 6 blades	Fiber-glass reinforced polyamide	GRP with carbon fibre, 6 blades
DRIVE MECHANISM	Hydraulic	Hydraulic	Toothed belt (maintenance free)
SHROUD	GRP, double-shell design	GRP, double-shell design	GRP, double-shell design
LIFT HEIGHT	2.500 mm	1.860 mm	O 600 mm oder 1.300 mm
TILT ANGLE	+35° / -90°	+35° / -90°	O +20° / -20° oder +25° / -25°
ROTATION ANGLE	O 360° (± 180°)	O 360° (± 180°)	O ± 100° oder 360° (± 180°)
OPERATION	Remote control with TFT-display or control panel	Remote control with TFT-display or control panel	Remote control with TFT-display
WATER MIST SYSTEM	O	O	O
NOZZLES	14 pcs. integrated in the stators	10 pcs. integrated in the stators	14 pcs. integrated in the stators
WATER OUTPUT	280 l/min (7 bar)	200 l/min (7 bar)	280 l/min (7 bar)
VENTILATION HOSE SYSTEM	O	O	O
AIR OUTPUT EXTRACTION MODE	70.000 m³/h	35.000 m³/h	65.000 m³/h
DIAMETER VENTILATION HOSES	800 mm	800 mm	800 mm
ADAPTER	2 pcs. GRP incl. 3 m hose	1 pc. GRP incl. 3 m hose	2 pcs. GRP incl. 3 m hose
MOUNTING	Pressure or intake side		
LENGTH	2 x 15 m (standard), upgradeable	1 x 15 m (standard), upgradeable	2 x 15 m (standard), upgradeable
SMOOTH BORE DUCTING	O	O	O
DIAMETER DUCTING	1.400 mm	1.160 mm	1.400 mm
MOUNTING	Pressure side	Pressure side	Pressure side
LENGTH	100 m	100 m	100 m

O optional

L125 **SPEED** L125 **SPEED L**

TILT ANGLE	–	± 20°
TILT	–	Hydraulic hand pump
DIMENSIONS (L X W)	3.400 — 4.000 x 1.850 mm	3.600 — 4.150 x 1.910 mm
HEIGHT	2.300 mm	2.350 mm
GROSS VEHICLE WEIGHT	750 kg	1.000 kg

L125 **ACTION S** L125 **ACTION M** L125 **ACTION L** XP125 **ACTION** XP105 **ACTION**

LIFT HEIGHT	0,6 m	0,6 m	0,6 m	2,5 m	1,86 m
TILT ANGLE	± 20°	± 20°	± 20°	+35° / -90°	+35° / -90°
ROTATION ANGLE	± 100°	± 100°	± 100°	–	–
LIFT / TILT	Hydraulic foot pump or 12V-hydraulic pump			Hydraulic pump	
PLATFORM (L X W)	2.600 x 1.560 mm	3.100 x 1.560 mm	3.400 x 2.000 mm	3.200 x 2.000 mm	3.100 x 2.000 mm
DIMENSIONS (L X W)	4.000 — 4.680 x 2.070 mm	4.600 — 5.080 x 2.070 mm	5.200 — 5.500 x 2.070 mm	5.080 — 5.380 x 2.070 mm	5.050 — 5.350 x 2.070 mm
HEIGHT	max. 2.700 mm	max. 2.700 mm	max. 2.700 mm	2.200 mm	2.000 mm
GROSS VEHICLE WEIGHT	1.350 kg	1.600 kg	1.800 kg / 2.000 kg	2.000 kg	1.800 kg

L125 **TASK L** L125 **TASK XL** XP 125 **TASK XL**

LIFT HEIGHT	0,6 m	1,3 m	2,5 m
TILT ANGLE	± 20°	± 25°	+35° / -90°
ROTATION ANGLE	± 100°	360° (± 180°)	360° (± 180°)
LIFT / TILT OPERATION	12V-hydraulic pump	24V-hydraulic pump	24V-hydraulic pump
ROTATION OPERATION	manual	electric	electric
CONTROL	manual	PLC-control	PLC-control
HEIGHT ABOVE PLATFORM	approx. 2.200 mm	approx. 2.500 mm	1.920 — 2.150 mm
WEIGHT MGV®	approx. 750 kg	approx. 1.050 kg	1.500 — 2.400 kg




NEW!

	L80 II B	L80 II B+	L80 II E11	L80 II E16	L105 E22
MAX. AIR VOLUME EFFECTIVE	210.000 m³/h	220.000 m³/h	155.000 m³/h	200.000 m³/h	275.000 m³/h
AIR OUTPUT NOMINAL	65.000 m³/h	68.000 m³/h	50.000 m³/h	65.000 m³/h	90.000 m³/h
AXIAL THRUST	ca. 800 N	ca. 850 N			
MAX. AIR SPEED	39 m/s	41 m/s	32 m/s	38 m/s	32 m/s
ENGINE	Honda GX 690, 2-cyl.-engine	Honda iGX 800, 2-cyl.-engine	Three-phase motor 400V		
DRIVE POWER	16,5 kW	18,6 kW	11 kW b. 1.700 1/min	16 kW b. 2.200 1/min	22 kW b. 2.300 1/min
NOMINAL MOTOR POWER			7,5 kW	11 kW	15 kW
CONNECTING PLUG			CEE 400 V 16 A	CEE 400 V 32 A	CEE 400 V 32 A
PROPELLER	fiber-glass reinforced polyamide, 6-blade		PAG, 7-blade	PAG, 7-blade	PAG, 4-blade
DRIVE MECHANISM	toothed belt		direct drive		
SHROUD	fiber-glass reinforced plastics, clam-shell design				
REMOTE CONTROL		O	O (wireless)		O (wireless)
WATER MIST SYSTEM	O				O
NOZZLES	8 pcs. stainless steel ring				10 pcs. integrated
WATER OUTPUT	170 l/min (7 bar)				200 l/min (7 bar)
VENTILATION HOSE SYSTEM	O				O
AIR OUTPUT EXTRACTION MODE	19.000 m³/h	20.000 m³/h	14.000 m³/h	19.000 m³/h	25.000 m³/h
DIAMETER VENTILATION HOSE	600 mm				800 mm
ADAPTER	1 pc. GRP incl. 2 m hose / 1 pc. duct reducer				1 pc. GRP incl. 3 m
MOUNTING	intake side / pressure side				
LENGTH	14 m (standard), upgradeable				1 x 15 m, upgradeable




NEW!

	L80 II B CITY	L80 II E CITY	L80 II E11 CITY Q	L80 II B SPEED	L105 E SPEED
LIFT HEIGHT	O 0,6 m	–	–	O 0,6 m	O 1,86 m
TILT ANGLE	± 20°	+25° / -10°	+25° / -10°	± 20°	O +35° / -90°
ROTATION ANGLE	–	–	–	± 100°	–
PLATFORM (L X W)	1.200 x 1.050 mm	1.200 x 1.050 mm	1.200 x 800 mm		
DIMENSIONS (L X W)				2.750 — 1.450 / 1.650 mm	4.000 — 4.680 x 2.070 mm
HEIGHT	1.750 — 1.970 mm	1.650 mm	1.650 mm	1.900 — 2.200 mm	2.000 mm
GROSS VEHICLE WEIGHT	220 — 375 kg	220 kg / 270 kg	215 kg	750 kg	750 / 1.000 kg

O optional

OPTIONS EXPLAINED

WATER MIST
MAXIMUM EFFECT WITH MINIMAL WATER CONSUMPTION

The system generates an ultra-fine water mist with a high cooling effect while simultaneously ensuring effective suppression of gases, smoke, and vapors. This allows structures to be cooled efficiently, adjacent areas to be protected, and the spread of hazardous substances to be prevented.
Thanks to the low water consumption, the water supply is used with maximum efficiency, while personnel requirements for exposure protection can be significantly reduced.
In combination with the enormous airflow performance of the mobile large-scale fans, throw distances of up to 80 m can be achieved, depending on wind conditions. In addition, wetting agents can be added or even heavy foam generated, significantly expanding the system's range of applications.

VENTILATION HOSE SYSTEM
TARGETED VENTILATION AND EXTRACTION

The ventilation hose system significantly expands operational capabilities and enables both controlled smoke extraction and targeted airflow guidance over long distances.
When no suitable exhaust opening is available or airflow cannot be controlled effectively, extraction is often the only way to remove smoke gases from a structure in a controlled manner. The specially developed suction adapter ensures maximum extraction performance. Using large-diameter ventilation hoses, high air volumes can be transported reliably over distances of up to 100 m. The 600 mm and 800 mm diameter hoses can still be routed easily through standard doorways.

The system also provides major advantages for ventilation operations. If the air inlet opening cannot be reached directly with the mobile large-scale fan, the ventilation hoses can be connected on the pressure side and guided directly into the structure. This enables high air volumes to be transported over long distances with minimal loss. Targeted airflow guidance also makes it possible to ventilate specific areas without contaminating adjacent rooms or stirring up dust. Even rooms without a direct exhaust opening can be ventilated in a controlled manner by introducing fresh air and displacing contaminated air.

SMOOTH BORE DUCT
CONTROLLED AIRFLOW OVER LONG DISTANCES

The smooth bore duct enables targeted ventilation of remote areas with minimal airflow loss. Especially when the mobile large-scale fan cannot be positioned directly at the air inlet opening due to confined space conditions, the airflow can still be guided precisely into the structure. This allows even complex buildings or difficult-to-access areas to be ventilated effectively. At the same time, the smooth bore duct is ideally suited for sensitive areas, as the airflow can be directed without causing hazardous dust dispersion.
In combination with the ventilation hose system, extracted gases or contaminated air can also be discharged in a controlled manner over long distances. Duct lengths of up to 100 m are possible.