MG

SUCTION UNITS



The MG range of wheeled and noise-dampened exhausters includes models sized for all workplace cleaning needs and for the proper evacuation of aluminum and PVC chips. The characteristics of each model are identified by its code. The number indicates the size of the swarf exhauster; the letters have the following meanings:

- V: suction system with fan for high flow rate requirements;
- VP: suction system with fan and automatic start directly from the machine;
- T: turbine suction system for high head requirements;
- TP: suction system with turbine and automatic start directly from the machine.

Models with automatic start have autonomous power supply from the network; a special connection system to the machine's PLC allows them to be operated based on the work cycle. Other models can be powered directly from the machine's electrical panel, if equipped, and are operated by the PLC through the provision of electrical power. Alternatively, they can be connected to the electrical outlet and started manually. All models are noise-dampened and suitable for continuous operation. They are equipped with an antistatic filter suitable for the suction of aluminum, steel and PVC chips, an vibrating filter cleaning system, and a quick-release collection tank mounted on wheels for easy and quick disposal of the exhausted material.

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The right to make technical alterations is reserved.



Suction inlet

The suction system has a die-cast tangential suction inlet, available in diameters of 100 mm or 160 mm (depending on the model). The tangential inlet allows optimal separation of debris from the air, reducing maintenance, energy consumption and improving overall efficiency. The system is connected via a plastic pipe with metal reinforcing, with the suction presettings mounted on the cutting machines, cutting-off centres and machining centres.



Collection tank

The extracted material is then deposited in a suitable container with quick release, made of steel and mounted on 4 wheels, which allows disposing of the swarf resulting from machining in a simple and fast manner.



Pivoting wheels

The support frame is equipped with 2 fixed wheels and 2 pivoting wheels with brake, which ensure a high degree of mobility and handling ease. Locking the wheels with brakes allows their position to be fixed stably near different work areas.



Extraction unit

The extractors may be equipped, depending on the model, with cast aluminium side duct turbine suction units where high performance is required, or with centrifugal electric fans in the event greater intake capacity is needed. In both applications the impeller is fixed directly to the motor shaft, thus without transmission systems: this reduces component wear and tear and subsequent maintenance needs.



Filtering unit

Within the steel filtering chamber one can find a polyester filtering bag, intended to protect the suction unit. This ensure a high retention of dust and guarantee purity of the outgoing air, thanks to a large surface area and at a high filtration efficiency. There is an automatic cleaning system, comprising a vibrating filter shaker operated by a pneumatic motor which as well as easing cleaning, provides greater durability and performance of the filter itself.

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MACHINE CHARACTERISTICS

	MG2-V	MG2-T	MG2-TP	MG4-V	MG4-VP	MG8-T	MG8-TP
Fan motor	●			●	●		
Turbine motor		●	●			●	●
Suction inlet diameter (mm)	100	100	100	160	160	160	160
Number of suction inlets	1	1	1	1	1	1	1
Tank capacity (l)	100	100	100	160	160	160	160
Thank diameter (mm)	460	460	460	570	570	570	570
Flow rate (m^3/h)	1.200	310	310	1.400	1.400	550	550
Vacuum (mbar)	25	200	200	30	30	320	320
Motor power (kW)	1,5	2,2	2,2	2,2	2,2	5,5	5,5
Motor speed (rpm)	2.900	2.900	2.900	2.900	2.900	2.900	2.900
Weight (kg)	100	110	110	125	125	190	190
Bag filter	●	●	●	●	●	●	●
Vibrating filter cleaning system	●	●	●	●	●	●	●
Automatic start by means of direct supply from the machine	●	●		●		●	
Automatic start from machine			●		●		●
Kit suction nozzle included		●	●			●	●
Manual work-area cleaning		●				●	

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SUGGESTED MODELS

	MG2-V + kit Ø70	MG2-V + kit Ø100	MG2-TP + kit Ø70
TKE 783			●
TKE 743			●
TKE 355 PA		●	
TKE 350 PA		●	
TKE 345 PA		●	
TKE 355 PF		●	
TKE 345 PF		●	
TKE 340 PA	●		
TKE 340 SD	●		
TKE 330 SA	●		
TKE 330 MA	●		

● suggested model

	MG4-V + kit Ø70	MG4-V + kit Ø100	MG4-VP + kit Ø70	MG4-VP + kit Ø100
TKE 800			●	
TKE 801			●	
TKE 802			●	
TKE 554			●	
TKE 553			●	
TKE 552			●	
TKE 551			●	
TKE 305 EA				●
TKE 365 EA				●
TKE 355 PA		○		
TKE 350 PA		○		
TKE 345 PA		○		
TKE 355 PF		○		
TKE 345 PF		○		

● suggested model ○ available model

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SUGGESTED MODELS

Manual work-area cleaning	MG2-T + kit A	MG8-T + kit A
TKE 783		●
TKE 743	●	
TKE 985		●
TKE 984		●
TKE 944	●	
TKE 943	●	
TKE 955	●	
TKE 954	●	
TKE 938	●	
TKE 800	●	
TKE 801	●	
TKE 802	●	
TKE 554	●	
TKE 553	●	
TKE 552	●	
TKE 551	●	
TKE 305 EA	●	
TKE 365 EA	●	
TKE 355 PA	●	
TKE 350 PA	●	
TKE 345 PA	●	
TKE 355 PF	●	
TKE 345 PF	●	
TKE 340 PA	●	
TKE 340 SD	●	
TKE 330 SA	●	
TKE 330 MA	●	
TKE 335 R	●	

● suggested model

Included ● Available ○

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