



# MG

## Swarf industrial exhausters

Suction inlet

01

Collection tank

02



The range of wheeled and noise-dampened MG exhausters includes 6 models dimensioned for all the workplace cleaning requirements and proper aluminium swarf extraction from each of the Tekna machines:

**MG2-V, MG4-V:** swarf exhausting from work units;

**MG2-TP, MG4-VP:** swarf exhausting from work units with independent power supply and automatic start from machine;

**MG2-T, MG8-T:** machine and workplace cleaning;

The use of a large fan or a high-depression side duct turbine makes them suitable for different exhaustion requirements. All models are noise-dampened and suitable for continuous work, complete with automatic start and powered by the mains or directly by the machine depending on the model. They are equipped with anti-static filter suitable for aluminium and steel, swarf exhaustion, automatic vibrating filter cleaning system (MG8-T excluded) and quick release collection tank mounted on wheels for quick and easy disposal of exhausted material.

Pivoting wheels

03

Extraction unit

04

Filtering unit

05



The pictures are provided by way of illustration only

# MG

## Swarf industrial extractors

### 01

#### Suction inlet

The front suction system is made up of one or two suction inlets made of 100 mm diameter cast aluminium. These allow multiple connection, via plastic pipes with metal reinforcing, with the suction presettings mounted on the cutting machines, cutting centres and machining centres.

### 02

#### 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 to dispose of the extracted material in a simple and fast manner.

### 03

#### Pivoting wheels

Equipped with 2 fixed wheels and 2 pivoting wheels with brake, which ensure a high degree of mobility and object handling ease. Locking the braking unit allows to fix its position in proximity of the various work areas.

### 04

#### 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 components wear and consequent need for maintenance. These features, together with noiselessness, make the motor particularly suitable for continuous service.

### 05

#### Filtering unit

Within the steel filtering chamber one can find, depending on the extractor model, a polyester filtering bag or a high performance cartridge filter, intended to protect the suction unit. These 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. For the models fitted with a bag filter 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.

#### MACHINE CHARACTERISTICS

	MG2-T	MG2-TP	MG2-V	MG4-V	MG4-VP	MG8-T
Motor type	Turbine	Turbine	Fan	Fan	Fan	Turbine
Suction inlet diameter (mm)	100	100	100	100	100	100
Number of suction inlets	1	1	1	2	2	2
Tank capacity (l)	100	100	100	160	160	160
Capacity (m <sup>3</sup> /h)	310	310	1200	1400	1400	550
Depression (mbar)	200	320	20	25	25	270
Motor power (kW)	2,2	4,0	1,5	2,2	2,2	5,5
Motor speed (rpm)	2800	2800	2800	2800	2800	2800
Weight (kg)	110	115	100	125	125	190
Bag filter	•	•	•	•	•	
Cartridge filter						•
Filter cleaning vibrating system	•	•	•	•	•	
Automatic start via direct powering from the machine			•	•		
Automatic start from the machine					•	