

OPERATING INSTRUCTIONS MG100S

Technical data MG100S

| | |
|--|-----------------------|
| Height | 610 mm |
| Width | 460 mm |
| Depth | 210 mm |
| Weight | 17,5 kg |
| Noise level | 52 dB(A) |
| Voltage | 100-240V 50/60Hz |
| Effect | 100 Watt |
| Fuse | 2 x 6.3 AT |
| Maximum suction capacity | 100 m ³ /h |
| Micro filter - Separation degree, DOP | >99,97% |
| Gas filter | Yes |
| Warranty (except for filters) | 1 year |
| ESD approval, SP Dnr: | 230-01-0030 |
| Filter alarm, particle filter / operating time | Yes / Yes |

Order No

| | <u>Order No</u> |
|--------------------|-----------------|
| Filter unit MG100S | 100-1000-ESD |

Replacement filters and accessories for MG100S

| <u>Article</u> | <u>Order No</u> |
|-----------------------|-----------------|
| Micro/Gas filter | 100-2000-ESD |
| Micro/Gas filter, MEK | 100-2003-ESD |
| Hanging device | 780-3001-ESD |



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FOR A BETTER WORKBENCH ENVIRONMENT

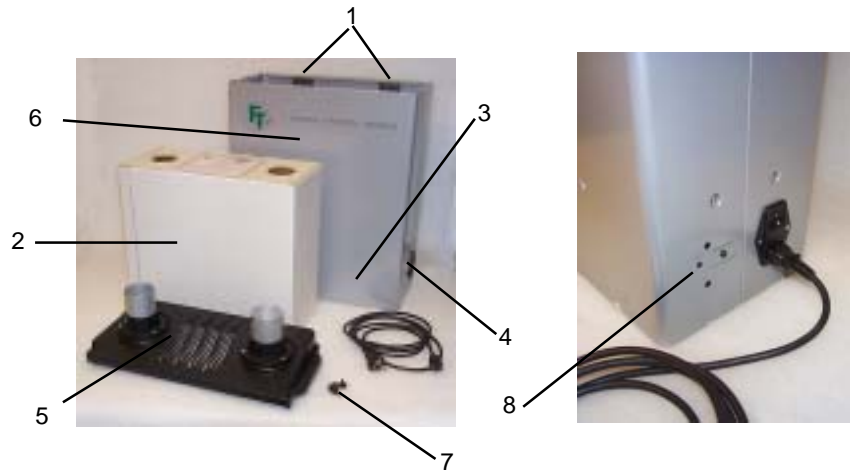
OPERATING INSTRUCTIONS

VERSION 4



**MG100S
FILTER UNIT
FOR EXTRACTION OF FUMES AND GAS**

OPERATING INSTRUCTIONS MG100S



- 1 Connection for hoses
- 2 Main filter
- 3 Fan
- 4 Power intake with main circuit-breaker
- 5 Top
- 6 Housing
- 7 Knobs to lock the top
- 8 Control panel

Function

MG100S is a filter unit for cleaning of both particles and gases. The unit is to be used at filtration of process air from soldering, glueing, cleaning, printing processes etcetera.

MG100S is designed to be connected to two suction arms, Ø 60 mm, but can also be connected to other types of nozzles, for example a smaller suction cabinet. MG100S complies with the ESD demands.

MG100S is equipped with filter surveillance.

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Installation

MG100S is delivered with 2 m main cable.

On the rating plate, which is placed at the bottom of the unit, you find information about type and size of the fuses.

The MG100S can easily be hung up on for example a work bench, by completing the unit with a hanging device, Art.No. 780-3001-ESD. (Can be ordered separately.)

NOTE! The unit must not be exposed to temperatures exceeding 50° Celsius, open flames or condensated solvents.

Putting into service

Connect the unit to a 1-phase wall socket and switch on the main circuit breaker. (NOTE! there could come out some dust from the main filter after transportation, so make sure that the starting of the unit is made in an appropriate room.)

Control panel

MG100S is equipped with a micro processor-based function- and filter surveillance system. An alarm can be indicated with a red light-emitting diode together with a buzzer. There are two alarm functions:

Red light-emitting diode twinkles: When the recommended uptime of the filter is exceeded. Measure: Clean suction nozzle and tubes and change the main filter.

Red light-emitting diode is shining: When suction capacity is low. Measure: Check suction nozzles and tubes, clean if necessary. If the alarm comes back when starting, change the main filter.

Reset

Receipt of alarm is made with the button of the control panel. When changing the main filter, the filter uptime is set to zero by keeping the button pressed and turning the switch on at the same time. **NOTE! The button must be pressed until the red light-emitting diode acknowledge the order.**

Maintenance and replacement of filter

The main filter should be changed by alarm, minimum once a year. Check hoses and nozzles, clean if necessary. If the suction is deficient after cleaning, change the main filter.

When changing the main filter, turn off the unit with the switch and loosen the top with the 4 knobs on the short sides of the unit. Lift the top straight up and put it aside (if necessary loosen the hoses). Pull the main filter straight up. A new filter is re-assembled in the reverse order, with the text on the filter upwards. Make sure that the inlet to the fan fits to the connection in the bottom of the filter and that the new filter has the right side up.

NOTE! The new filter has to be marked with the date of change.

When a new main filter is mounted, mark the filter with the date of the filter exchange.