

7. Technical data

Max connected soldering irons	2 pcs
Height	290 mm
Diameter	140 mm
Weight	4,9 kg
Noise level, at 1 meter	40 dB(A)
Suction capacity (2 soldering irons connected)	40 l/min
Max. vacuum	3 000 kPa
Micro filter, separation degree	>99.95 % H13 EN1822
Chemisorbant gas filter, separation degree	>99 %
Mains voltage	230 V, 50/60 Hz
Power consumption	70 W
Warranty	2 years
CE guidelines	2006/95/EG
RoHS	Yes, from 2006-07-01

8. Article number

Filter system FE4000	112-6000-ESD
Main filter	212-6012-ESD
Prefilter pink, 10 pcs	210-0316

9. Warranty

General conditions according to ORGALIME S 2000. Filtronic AB guarantees the product for manufacturing failures for a time period of two (2) years on filter units and accessories, consumptions not enclosed. The time is measured from date of invoice. Only use genuine Filtronic AB consumables and spare parts in order to ensure reliable function and to maintain the unit's warranty. Repairs must be performed by personnel trained by Filtronic AB.

The information given is not binding and does not free the user from his or her responsibility to check the equipment before using it. Filtronic AB reserves the right to introduce technical changes in the course of product development. Always contact the supplier before return a product. The invoice has to be shown at the time of the complaint.



Filter Systems

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OPERATING MANUAL

FE4000

Filter system

FOR A BETTER WORKBENCH ENVIRONMENT



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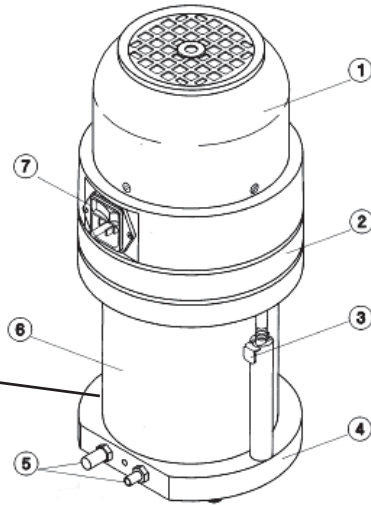
1. Introduction

FE4000 is a spot suction with high separation degree of both particles and gases in different processes. Suitable applications are soldering and gluing.

2. Content

1. Covering hood
2. Pump casing
3. Lifting device for changing filters
4. Bottom plate
5. Connector nipples
6. Main filter
7. Power intake with fuse and circuit breaker

The prefilter is placed between the mainfilter and the bottom plate.



3. Safety instructions



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

Switch off the filter unit when changing filter.

The unit should be used indoors, within a temperature area of +5° to +30° C.

4. Put into operation

Place the unit on a horizontal frame. Connect the cable to the connector (7) at the back of the unit. Connect 1-2 soldering irons with integrated spot suction, clip-on kit, to the connection nipples (5). If only one soldering iron is connected, do not take off the second closure cap. Turn on the unit with the On/Off-switch (7) to 1. If two soldering irons are connected, switch to 2. Before commissioning, check the mains voltage against the information on the type plate. The unit should not be used without soldering irons being connected.



The hoses for all soldering iron shall have the same length and diameter.

5. Troubleshooting



Do not modify the filter unit. Repairs must be performed by personnel trained by Filtronic AB.

If the filter unit is out of order, please check that:

- the electricity supply is connected in a correct way.
- hoses and nozzles not are clogged up.
- the prefilter is mounted in a correct way.

6. Maintenance and service

To ensure a faultless function, clean the suction nozzles of the iron and the connection nipples with a cleaning brush as a daily routine. The suction hose also has to be cleaned regularly or replaced. The resin leftovers in the hose can be dissolved with pure alcohol and the leftovers can then be blown out with compressed air.



WARNING! Before cleaning the hoses and the nozzles with alcohol and compressed air, the suction hose must be disconnected from the unit.

If the suction capacity of the filter system is insufficient, even after adjustment of the airflow, the filters have to be checked. The filter disc can be replaced several times before the main filter needs to be replaced. By continuous soldering the main filter should be replaced every eight months.

Exchange of main filter:

1. Press the two buttons (3) simultaneously
2. Exchange the prefilter and the main filter (6). Make sure that the prefilter is centered on the bottom plate before re-assembling
3. **NOTE!** Mark the new main filter with current date
4. Restore the lifting device by an easy pressure at the top of the unit
5. Consumed filters belongs to code 15 02 00 according to the Environmental Code