



## HIGH-VACUUM FUME EXTRACTION

High-vacuum filter units eliminate smoke and gas from hand soldering processes. Unique clip-on kits, made to fit most of the soldering tools available on the market, make operation simple and flexible.

Fume extraction equipment improves the working environment and protects the operators' health.



*For better workbench environment!*



## HIGH-VACUUM FUME EXTRACTION

### ➤ Unique filter concept!

Our filter systems have a unique filter concept with a verified function for gas and particle separation. Gases contain complex and dangerous molecule structures. In smoke, particles of different shapes and sizes can be found. The filter systems are built to handle most hazardous substances in air pollution generated in manufacturing processes.

### ➤ Low noise level!

To keep the workplace as comfortable as possible the noise level of surrounding machines shall be as quiet as possible. The filter units have the lowest noise level on market.

### ➤ Extraction right at the source of pollution!

The most efficient way to remove the pollution is to catch it right at the source. With the tube only 10 mm away from the solder tip and a high air speed, the fumes are immediately extracted and processed in the filter.

### ➤ Mobile or central units!

We offer both mobile and central units. The mobile units for smaller workplaces and for production where you want to be able to change the production layout easily. Central units for bigger standardized production.

### ➤ ESD-safe!

All fume extraction equipments are ESD-safe (excl. FC15/FC50).



## HIGH-VACUUM FUME EXTRACTION

### **FT11**

Filter unit with one inlet for one soldering iron. High vacuum system driven by compressed air.

### **FT12**

Filter unit with two inlets for two soldering irons. High vacuum system driven by compressed air.

### **FT12-PF**

Filter unit with two inlets for two soldering irons. Integrated prefilter cassette for applications with a large amount of particles. High vacuum system driven by compressed air.

### **FE3000**

Filter unit with two inlets for two soldering irons. High vacuum system driven by an electrical motor.

### **FC15**

Central high vacuum system driven by an electrical motor. When connected to a central tube system this unit can serve up to 18 soldering irons. Remote control for speed and filter lifetime.

### **FC50**

Central high vacuum system driven by an electrical motor. When connected to a central tube system this unit can serve up to 50 soldering irons. Remote control for speed and filter lifetime.



**FC15**



**FC50**

# Filter concept!

Unique filter concept built in four steps:

- Pre-filter for dirt and dust (FT and FE units)
- Micro filter (HEPA) for small particles
- Gas filter for both high and low weight gas molecules
- Dust filter

The filters are designed to achieve maximum performance and are tested and documented by a third party.

Our filter design with verified function makes the filter systems unique on the market.

The main filter has an integrated particle filter (HEPA) and gas- and dust filter for best function and easy filter exchange. The pre-filter protects the main filter and is changed separately for longer filter lifetime.



## HIGH-VACUUM FUME EXTRACTION

### Technical data

	FT11 Bench top	FT12 Bench top	FT12-PF Bench top	FE3000 Bench top	FC15 Central system	FC50 Central system
Max connected soldering irons	1	2	2	2	18	50
Height/diameter (height/width FE3000), cm (in)	20/12 (7,9/4,7)	20/12 (7,9/4,7)	24,5/12 (9,6/4,7)	33,5/28 (13,2/11)	38,5/92 (15,2/36,2)	38,5/92 (15,2/36,2)
Weight, kg (lb)	1.5 (3,3)	1.5 (3,3)	1.5 (3,3)	6.7 (14,8)	30 (66,2)	30 (66,2)
Sound level dB(A) at 1 meter	37	37	37	42	53	56
Air consumption, L/min	12	12	13	-	-	-
Air consumption, NL/min	12-40	12-40	12-40	-	-	-
Suction capacity, L/min	20-30	20-50	20-50	>50	1200	2100
Working pressure, bar (PSI)	3.5-7 (50-100)	3.5-7 (50-100)	3.5-7 (50-100)	-	-	-
Voltage, V	-	-	-	115/240	240	240
Power, W	-	-	-	45	400	1200
Micro filter separation degree, DOP%	>99.99	>99.99	>99.99	>99.99	>99.99	>99.99
Gas filter/chemisorbtion/separation degree, %	>99	>99	>99	>99	>99	>99

Max. media temperature 50°C (122°F)

Filtronic AB is striving to create a better workbench environment by developing and producing particle and gas filter systems of very high quality. The filter systems are easy to use and install, have a low noise level and a guaranteed function. Read more about us and our products at [www.filtronic.se](http://www.filtronic.se).



**For better workbench environment!**

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