

## Products

Smoke absorber/Air purifying type

**HAKKO** FINE EXTRACTION **FA-431** ESD SAFE



Excellent cost performance filter  
Filters out 97% of particles greater than 0.3µm  
Optional sub-filters extend the life of Pre and Main filters  
Ideal for factories with a lot of soldering work

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### Features

**Employing excellent cost performance filters!**  
**Suitable for places where a lot of soldering is conducted**

**Employing excellent cost performance filters (Filter efficiency 99.7%)**

The life of new filters will be approx. 4 times longer compared to [HAKKO FA-430](#) which employs HEPA\* filter. (High Efficiency Particulate Air filter)

\* The filter life will differ depending on the work environments and work conditions.

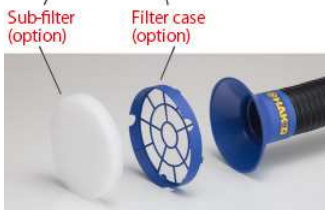
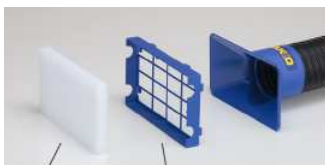
**The filter life can be even longer with sub-filter (Option part)**

With the use of sub-filter, the life of pre-filter and main filter will be approx. 10 times\* longer!

\* The filter life will differ depending on the work environments and work conditions.



Recommended for auto-soldering application for less frequency of changing sub-filter.



Recommended for hand soldering application for easy and quick change of sub-filter at nozzle.

### Switch ON/OFF of the unit with a remote control

With a remote control, now it is very easy to switch ON/OFF the unit which is placed under the table.



### Quiet operation and powerful suction.

Exhaust noise has been reduced without sacrificing suction performance by the addition of a silencer unit to the exhaust outlet to ensure smooth air outflow. A high-performance motor with 1,500 Pa of static pressure provides powerful suction and quiet operation.

	Noise level dB (A)	Air volume m <sup>3</sup> /min
High	53	4.7
Medium	50	3.7
Low	44	2.8



\*Values measured when the unit was used with a 60 Hz power supply.

## Catch harmful smoke with freestanding ducts and adjustable air volume to suit your working environment

Is your smoke absorber affected by air conditioning? Are you fed up with having to re-adjust ducts after every line change? The HAKKO FA-431 fume extractor is the answer to your problems.

### Airflow adjustment

Three airflow modes are available: High, Medium, and Low. Significantly improve your working environment by using an airflow volume that suits the worksite and the job.

- Low mode: Not easily affected by the surrounding environment. For use in small, quiet locations. (For when low-noise operation is a priority.)
- Medium mode: For normal use.
- High mode: For use in locations that are significantly affected by the surrounding environment. (For when suction performance is a priority.)

#### What do you mean by "surrounding environment"?

Smoke flows in unexpected directions due to a variety of factors; not just because of the influence of air conditioning. High mode is recommended if your worksite is situated near a doorway, in a spot where people continuously pass by, near the exhaust outlet of a large machine, or in a similar location. It is possible to use low mode in laboratories and other places where these kinds of influences are limited.

### Freestanding ducts

Ducts can be bent or lengthened as desired and maintain their shape after adjustment, letting you place them exactly where suction is needed. Say goodbye forever to ducts that are long, heavy, and hard-to-handle.

	Length	Weight
Duct for HAKKO FA-431	1.2m	0.6kg



Photo above: Bends and stretches freely for perfect placement!

Photo on left: Lightweight and compact, the HAKKO FA-430 weighs only 7.5 kg. Built-in handles allow the fume extractor to be moved easily, facilitating line changeovers.

\* The picture is [HAKKO FA-430](#), which employs HEPA filter.



If the duct is mounted at an angle above the workpiece, it is easily affected by air conditioning



If the duct is mounted directly above, it can be difficult to see the workpiece



Duct is mounted on the worktable to provide excellent suction performance

#### Duct on previous model

