Air purifying type smoke absorber for your work environments

In addition to FA-430, a quiet and powerful smoke absorber, FA-431, a new smoke absorber with long life filters and a remote control, is now in the lineup.

**FA-430**
- Employing HEPA filter
- Filter efficiency: 99.97%

**NEW FA-431**
- Employing excellent cost performance filters with the use of sub-filter, the life of pre-filter —— and main filter will also improve.
- 10 times longer
- Filter efficiency: 97%

**Specifications**

<table>
<thead>
<tr>
<th>Power consumption</th>
<th>110 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoke load*</td>
<td>&lt;= 800 cm³/min</td>
</tr>
<tr>
<td>Suction capacity</td>
<td>HIGH: 1.7 m³/min, MIDDLE: 1.5 m³/min, LOW: 1.0 m³/min</td>
</tr>
<tr>
<td>Filling efficiency</td>
<td>HIGH: 29.6%, MIDDLE: 27.3%, LOW: 17.9%</td>
</tr>
<tr>
<td>Static pressure</td>
<td>1,000 Pa</td>
</tr>
<tr>
<td>Dimensions</td>
<td>455 mm x 610 mm x 520 mm (540 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>7.5 kg</td>
</tr>
</tbody>
</table>

* Measured at a distance of 1 meter from the face of the unit in an anechoic chamber.
* When using two ducts
* It is an equivalent cut-off efficiency based on source method for exhaust smoke and collection by a single duct of 1 m width.
* Parts in duct sets are not protected against electrical discharge.
Excellent cost performance by the new long life filters

Suitable for places where a lot of soldering is conducted

Common Features

- **Quiet operation**
  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.

- **Powerful suction and airflow adjustment**
  Employing a high-performance motor with 1500 Pa of static pressure provides powerful suction and quiet operation. 3 airflow modes are available depending on the work environments.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Suction (m³/min)</th>
<th>Air volume (l/min)</th>
<th>Air volume (l/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>53</td>
<td>4.7</td>
<td>60°</td>
</tr>
<tr>
<td>Medium</td>
<td>50</td>
<td>3.7</td>
<td>3.2°</td>
</tr>
<tr>
<td>High</td>
<td>44</td>
<td>2.8</td>
<td></td>
</tr>
</tbody>
</table>

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

- **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 the hassle of long, heavy, and hard-to-handle ducts.

- **Movement of smoke is affected by the surrounding environment**
  If the duct is mounted at an angle above the workplace, it is affected by air conditioning. If the duct is mounted directly above, it can be difficult to see the workplace.

- **Remote control**
  With a remote control, it is very easy to switch ON/OFF the unit which is placed under the table. It is designed to prevent operation mistakes.

- **Filter replacement notification function**
  Excellent filtering efficiency can be maintained at all times. No matter how sophisticated a fume extractor is, if the filter is not replaced at the right time, it will not be able to give maximum performance. HAKKO FA-430 detects the number of fan rotations and notifies the operator of the appropriate time to replace the filter, guaranteeing a comfortable working environment.

- **Aerosol particle diameter range**
  Filtering efficiency of 99.97% or better

- **Pre-filter**
  When the pre-filter is 80% clogged or has been used for 200 hours, the orange indicator flashes on and off.

- **HEPA main filter**
  When the 10th pre-filter needs replacing, the orange and red lamps flash on and off.

*The initial value of collection efficiency based on counting method for airborne dust collected by a single plate of filter (unbaked).