**Desoldering tool for lead-free soldering**

**HAKKO FM-204 ESD SAFE**

*Nozzle is an optional part.*

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**Easier to use!**

- **Excellent thermal recovery**
  The integrated nozzle contains both heater and sensor to provide more powerful thermal recovery than conventional nozzles.

- **Easy maintenance**
  - Uses disposable paper filter pipes. Allows paper and solder to be disposed separately.
  - Quick nozzle replacement. Nozzle can be replaced safely with the provided nozzle remover.

- **Safe design**
  Equipped with a nozzle lock function. Inserting a nozzle into the grip automatically locks it in place and prevents the nozzle cartridge from being pulled out suddenly.

- **Sleep function**
  After the iron is inserted into the iron holder, the sleep function activates after a user-settable time (0 to 29 min.) and the tip temperature will decrease to approximately 200°C.

- **Auto power shut-off function**
  After 30 minutes have elapsed after inserting the iron into the iron holder, the auto power shut-off function activates and stops to apply power to the heating element.
  *It is necessary to change unit settings before using sleep and auto power shut-off functions.

- **Selectable grip**
  Detachable handle allows two-way use: gun type or straight type.

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*Connect the FM-204 station and FH-200 iron holder using a connecting cable.*
## Specifications

- **HAKKO FM-204**
  - **Power Consumption**: 120W
  - **Temperature Range**: FM-2024: 350 to 450°C, FM-2026/FM-2027: 200 to 450°C
  - **Temperature Stability**: ±5°C at idle temperature

- **Station**
  - **Output voltage**: AC 24 V
  - **Vacuum Generator**: Double cylinder type
  - **Vacuum Pressure**: Max. 80 kPa (600 mmHg)
  - **Suction flow**\(^*\): 15 L/min.
  - **Dimensions**: 160(W) x 120(H) x 225(D) mm
  - **Weight**: 3.7 kg

- **Desoldering Tool**
  - **Power Consumption**: 70W (24V)
  - **Nozzle in Solder Resistance**: < 2Ω
  - **Nozzle in Solder Potential**: < 2mV
  - **Heating element**: Composite heater
  - **Cord length**: 1.2 m
  - **Total length**\(^*\)*: 180 mm (with ø1.0 mm nozzle)
  - **Weight**\(^*\)**: 65 g (with ø1.0 mm nozzle)

\(^*\) Measured at the filter case suction port of the station.

\(^*\)* Without cord and hose.

## Increase your options

The FM-204 is a desoldering station as standard, but it can be operated with optional FM-2027 and FM-2026 soldering handpieces.

A single station plays multiple roles: soldering and desoldering.

### Soldering

### N₂ System

HAKKO FM-2027

*For further details, refer to the N₂ system HAKKO web site.*

## Replacement and Optional Parts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Name/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1514</td>
<td>Ceramic paper filter (10 pcs)</td>
</tr>
<tr>
<td>A1512</td>
<td>Front holder</td>
</tr>
<tr>
<td>A1511</td>
<td>Filter pipe assembly (10 pcs)</td>
</tr>
<tr>
<td>B3253</td>
<td>Connecting cable</td>
</tr>
<tr>
<td>FM2027-03*</td>
<td>HAKKO FM-2027 Conversion kit (70W/24V)</td>
</tr>
<tr>
<td>FM2026-06*</td>
<td>HAKKO FM-2026 Conversion kit (70W/24V)</td>
</tr>
</tbody>
</table>

\(^*\)* A sleep mode iron holder, connecting cable, heat resistant pad and 5998 are included. Please refer to HAKKO web site for tip variation.

## Optional Nozzle

### N1-06 Nozzle 0.6mm

![N1-06 Nozzle 0.6mm](image1)

### N1-08 Nozzle 0.8mm

![N1-08 Nozzle 0.8mm](image2)

### N1-10 Nozzle 1.0mm

![N1-10 Nozzle 1.0mm](image3)

### N1-13 Nozzle 1.3mm

![N1-13 Nozzle 1.3mm](image4)

### N1-16 Nozzle 1.6mm

![N1-16 Nozzle 1.6mm](image5)

### N1-20 Nozzle 2.0mm

![N1-20 Nozzle 2.0mm](image6)

### N1-23 Nozzle 2.3mm

![N1-23 Nozzle 2.3mm](image7)

### N1-L10 Nozzle 1.0mm Long

![N1-L10 Nozzle 1.0mm Long](image8)

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http://www.hakko.com

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