

Desoldering tool for lead-free soldering

# HAKKO FM-204 ESD SAFE

DESOLDERING TOOL



\*Nozzle is an optional part.

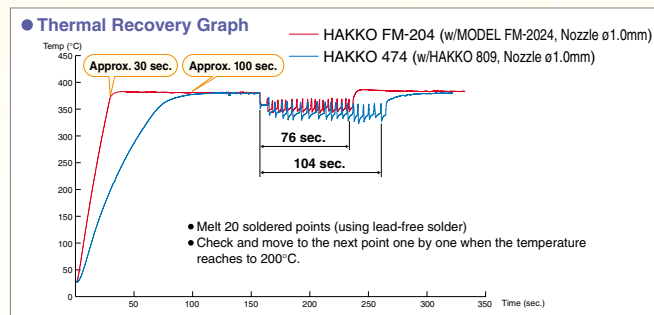


**Built-in pump**

## Easier to use!

### ■ Excellent thermal recovery

The integrated nozzle contains both heater and sensor to provide more powerful thermal recovery than conventional tips.



### ■ Easy maintenance

- Uses disposable paper filter pipes. Allows paper and solder to be disposed of 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.

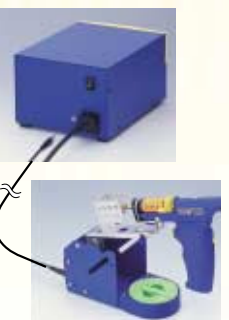
\*It is necessary to change unit settings before using sleep and auto power shut-off functions.

### ■ Selectable grip

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



When the gun grip is attached



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



When the gun grip is detached

## Specifications

### ● HAKKO FM-204

Power Consumption	120W
Temperature Range	200 to 450°C
Temperature Accuracy	±5°C at idle temperature

### ● Station

Output	24V
Dimensions	160(W) x 120(H) x 225(D)mm
Weight	3.7kg
Vacuum Generator	Vacuum pump, double cylinder type
Vacuum Pressure (Max.)	80kPa (600mmHg)
Suction Flow	15L/min

### ● MODEL FM-204 Desoldering Tool

Power Consumption	70W (24V)
Temperature Range	350 to 450°C
Tip to Ground Resistance	< 2Ω
Tip to Ground Potential	< 2mV
Total length (w/o Cord)	180mm with ø1.0 nozzle
Weight (w/o Cord & Hose)	65g with ø1.0 nozzle
Cord	1.2m

\*The temperature was measured using the HAKKO FG-101 thermometer.



## Packing List

① HAKKO FH-200 iron holder .....	1
② HAKKO 599 tip cleaner .....	1
(① + ②: No.FH200-05)	
③ Cleaning drill .....	1
④ Ceramic paper filter .....	10
⑤ HAKKO FM-204 station .....	1
⑥ Control card .....	1
⑦ Connecting cable .....	1
⑧ Filter pipe assembly	
(Originally equipped to the unit, but added one spare as shown in the photo.) .....	2
⑨ Model FM-204 desoldering tool .....	1
⑩ Handle (for gun configuration) .....	1
⑪ Nozzle remover .....	1
⑫ Power cord (not shown is the photo) .....	1

\*Nozzle is an optional part.  
Specifications and design are subject to change without notice.  
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## 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



HAKKO FM-2027

### N<sub>2</sub> System



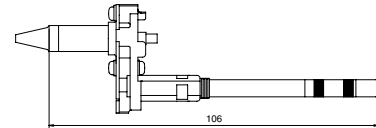
\*For further details, refer to the N<sub>2</sub> system brochure.

## Replacement and Optional Parts

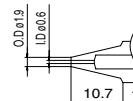
Part No.	Name/Description
A1514	Ceramic paper filter/10pcs
A1512	Front holder
A1511	Filter pipe assembly
B3253	Connecting cable
FM2027-03*	HAKKO FM-2027 Conversion kit
FM2026-06*	HAKKO FM-2026 Conversion kit

\*Iron holder (No.FH200-01) is included.

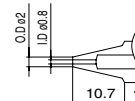
## Replacement Nozzle



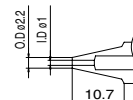
N1-06 Nozzle 0.6mm



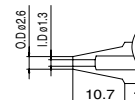
N1-08 Nozzle 0.8mm



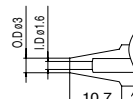
N1-10 Nozzle 1.0mm



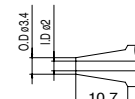
N1-13 Nozzle 1.3mm



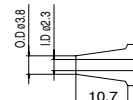
N1-16 Nozzle 1.6mm



N1-20 Nozzle 2.0mm



N1-23 Nozzle 2.3mm



N1-L10 Nozzle 1.0mm Long

