

Desoldering tool for lead-free soldering

HAKKO FM-204 ESD SAFE



*Nozzle is an optional part.

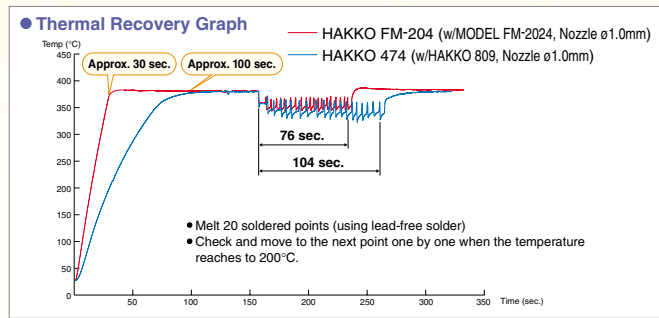


Built-in pump

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.

■ No offset required

Temperature accuracy $\pm 15^{\circ}\text{C}$ without offset.

■ 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.

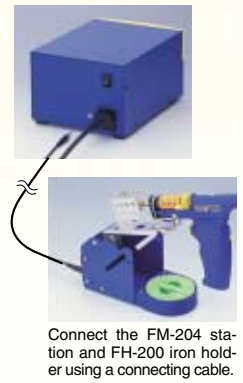
■ Auto power shut-off function

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.



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-2024 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-2024 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

N₂ System



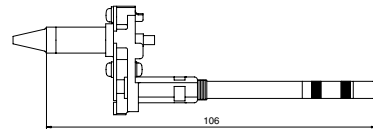
*For further details, refer to the N₂ system brochure.

Replacement and Optional Parts

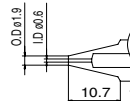
Part No.	Name/Description
A1514	Ceramic paper filter/10pcs
A1512	Front holder
A1511	Filter pipe assembly
B3253	Connecting cable
FM2027-03*	HAKKO FM-2027 Conversion kit
FM2026-06*	HAKKO FM-2026 Conversion kit

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

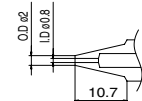
Replacement Nozzle



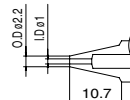
N3-06 Nozzle 0.6mm



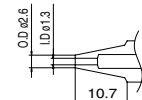
N3-08 Nozzle 0.8mm



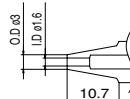
N3-10 Nozzle 1.0mm



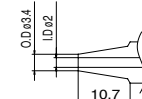
N3-13 Nozzle 1.3mm



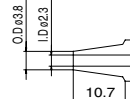
N3-16 Nozzle 1.6mm



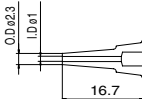
N3-20 Nozzle 2.0mm



N3-23 Nozzle 2.3mm



N3-L10 Nozzle 1.0mm Long



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