

HAKKO FM-204 DESOLDERING TOOL **ESD SAFE** Desoldering / Rework/Desoldering tool



- Vacuum pump type desoldering tool with excellent thermal recovery
- Digital display ensures easy and reliable temperature control
- Sleep function that works with iron holder curbs the oxidation of nozzles
- Supports the [N₂ system](#).

Specifications

Model No. FM204

Power consumption 120W

Temperature range 200-450°C

Temperature stability ±5°C at idle temperature

- Station

Output voltage 24V

Vacuum generator Double cylinder type

Vacuum pressure 80kPa (600mmHg)

Suction flow 15L/min.

Dimensions 160(W)×120(H)×225(D)mm

Weight 3.7kg

- Soldering Iron

Power consumption 70W (24V)

Temperature range 350-450°C

Nozzle to ground resistance <2Ω

Tip to ground potential <2mV

Total length 180mm (with Φ1.0mm nozzle)

Weight 65g (with Φ1.0mm nozzle)

Cord 1.2m

- * The suction flow is measured at the filter case suction port of station.
- * Total length and weight (w/o cord, hose)

Packing List

Model No.
FM-204

Packing List



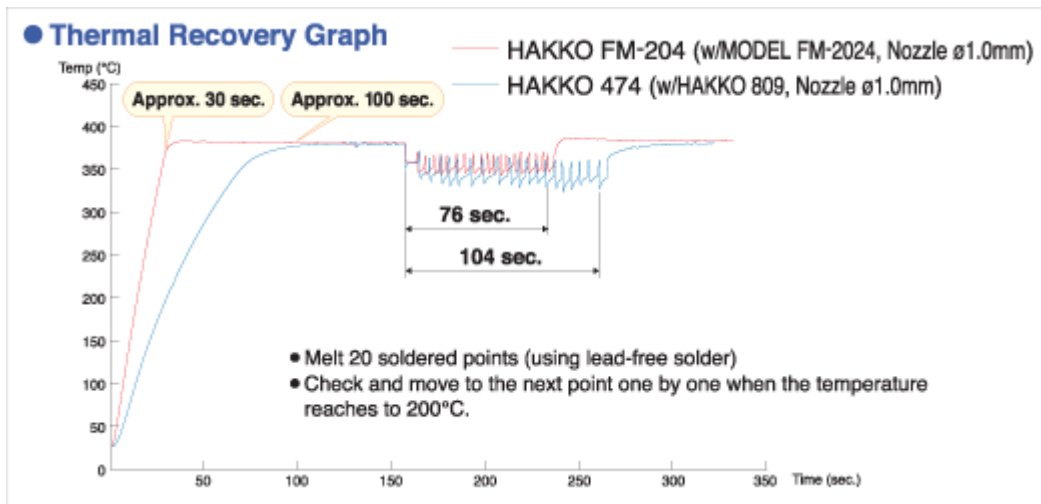
1. Main unit (HAKKO FM-204 station)
2. Iron holder (No. FH200-05; with tip cleaner)
3. Ceramic paper filter (10pcs.) (for replacement)
4. Cleaning drill (for heating element)
5. Filter pipe assemblies (2pcs.) (originally equipped to the unit and one for spare*5)
6. Control card
7. Desoldering tool (Model FM-2024)
8. Connecting cable
9. Nozzle remover
10. Handle (for gun configuration)
- *11. Power cord
- *12. Instruction manual
- *13 Tip tray
- *No photos are shown for parts *5,*11, *12 and *13.

* This product does not include a nozzle. When purchasing this product, be sure to order a nozzle suitable for the work.

Features

Even easier-to-use FM Series Desoldering Tool

- ▣ Vacuum pump type desoldering tool
- ▣ Excellent thermal recovery
 - The integrated nozzle containing both heating element and sensor provides higher thermal recovery than conventional tips.



❏ Soldering work is possible by replacing the handpiece.

Connectible handpieces:

- Desoldering handpiece ([HAKKO FM-2024](#))
- Soldering iron ([HAKKO FM-2027](#))
- N₂ soldering iron ([HAKKO FM-2026](#))

❏ Selectable grip

Two-way use of gun type and straight type is available.



Gun configuration



Straight configuration

❏ Easy maintenance

Filter pipe replacement:

- Disposable paper filter pipe
- Easy to dispose of paper and solder separately

Nozzle replacement:

- Safe to replace with nozzle remover
- Replaceable even before the end of nozzle has cooled down



(1) Detach the nozzle remover



(2) Firmly attach the nozzle remover to the nozzle cartridge as shown in the picture.



(3) Pull the nozzle remover with the nozzle cartridge in one stroke.

■ Power save function

Sleep function:

When the handpiece is placed on the Iron Holder (FH200-01/FH200-02), the sleep function operates and decreases the unused tip temperature up to approximately 200°C, preventing the tip from being oxidized.

In addition, this function can relieve the loads applied to the tip due to the high-temperature settings required for lead-free soldering

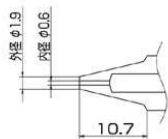
* The connecting cable enables the iron holder and temperature controller to be activated.

■ Auto power shut-off function:

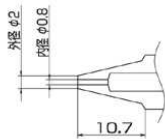
By connecting the iron holder (HAKKO FH-200) to the connecting cable, the auto power shut-off function is activated in the same manner as the sleep function.

- Selectable buzzer and alert ON/OFF setting Buzzer and alert sound generation upon error and when reaching the setting temperature can be selected. ON/OFF-settable buzzer sound

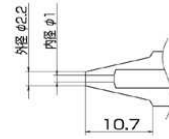
Hegytípusok N3



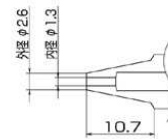
N3-06 Nozzle
Size $\Phi 0.6$



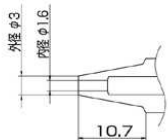
N3-08 Nozzle
Size $\Phi 0.8$



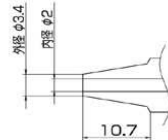
N3-10 Nozzle
Size $\Phi 1.0$



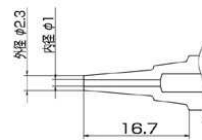
N3-13 Nozzle
Size $\Phi 1.3$



N3-16 Nozzle
Size $\Phi 1.6$



N3-20 Nozzle
Size $\Phi 2.0$




N3-23 Nozzle
Size $\Phi 2.3$

Replacement Parts

	Part No.	Name	Specifications
	B2972	Control card	
	B2876	Nozzle remover	
	FH200-05	Iron holder	w/ power-save function
	A1514	Ceramic paper filter	set of 10
	A1511	Filter pipe assembly	set of 10
	B3253	Connecting cable	
	FM2024-02	Desoldering tool FM-2024	70W (24V)
	B2873	Cleaning drill	heating element
	B2872	Handle	for gun configuration
	A1512	Front holder	
	A1536	Cleaning sponge	green

Option

	Part No.	Name	Specifications
	B2874	Cleaning pin	nozzle Φ 0.6mm
	B1086	Cleaning pin	nozzle Φ 0.8mm
	B1087	Cleaning pin	nozzle Φ 1.0mm
	B1088	Cleaning pin	nozzle Φ 1.3mm
	B1089	Cleaning pin	nozzle Φ 1.6mm
	B2875	Cleaning pin	nozzle Φ 2.0mm / 2.3mm
	599B-01	HAKKO 599B tip cleaner	
	FM2027-04	HAKKO FM-2027 conversion kit	70W (24V)
	FM2026-05	HAKKO FM-2026 conversion kit	70W (24V)