

Technical Data Sheet

HAKKO MODEL FM-2024 **ESD SAFE**




Available in:


Japan North America EU

Oceania Asia Other Countries

Integrated heater realizes superior thermal recovery. Nozzle can be replaced with simple one touch operation



 [N1 Series for Japan, Oceania, Asia & Other countries](#)

 [N3 Series for North America & EU](#)

* Nozzles for HAKKO FM-2024 depend on the market.

[NOTE] HAKKO FM-2024 cannot be singly used.

● Features

Integrated heater realizes great thermal recovery.
Nozzle can be replaced with simple pulling-out operation.

- ▣ Choose station to suit the operation
 - Specifications vary by station combined.
 - [HAKKO FM-204](#) Vacuum pump type
 - [HAKKO FM-202](#), [HAKKO FM-203](#) (Dual soldering station)

[NOTE] Distribution equipment for plant air or other type of compressed air is required.

[NOTE] Two power receptacles are required.

- ▣ One unit can serve dual usage of Gun/Straight configurations
- ▣ The composite nozzle ensures superior thermal recovery
- ▣ Lightweight design
- ▣ ESD safe by design



Gun configuration



Straight configuration

➤ **Nozzle cartridge can be replaced even before the nozzle becomes cool.**



Detach the nozzle remover.



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



Pull the nozzle remover with the nozzle cartridge in one stroke.

● Packing List

➤ **Choose HAKKO FM-204 to suit its Applicable Station.**

Part No.

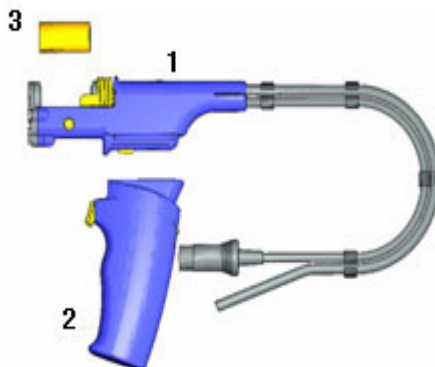
Packing List

Applicable Station

No.FM2024-02

MODEL FM-2024/24V-70W

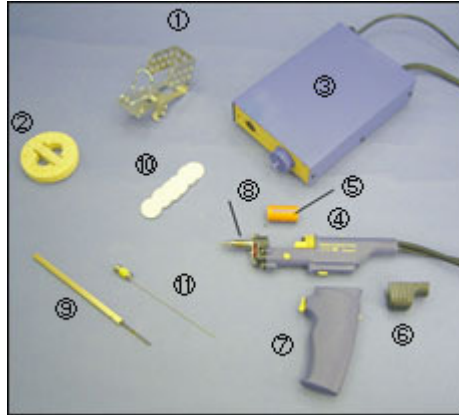
[HAKKO FM-204](#)



1. MODEL FM-2024 Desoldering tool
2. Handle (for gun configuration)
3. Filter pipe assembly
4. Instruction manual

FM2024-**

The part number varies from the input voltage. Please contact with the nearest representative for the further information.

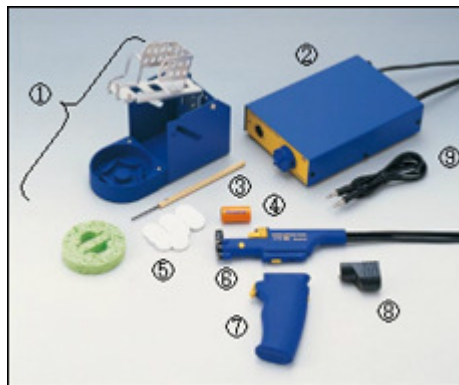


[HAKKO FM-202](#)

1. Iron holder
 2. Cleaning sponge
 3. Desolder control box (DCB)
 4. MODEL FM-2024 Desoldering tool
 5. Filter pipe assembly
 6. Nozzle remover
 7. Handle (for gun configuration)
 8. Nozzle ø1.0 (No.N1-10)
 9. Cleaning drill (for heating element)
 10. Ceramic paper filter (10 pcs.)
 11. Cleaning pin (for nozzle ø1.0)
 - *12. Instruction manual
- *No photo for No.12

FM2024-**

The part number varies from the input voltage. Please contact with the nearest representative for the further information.



[HAKKO FM-203](#)

1. Iron holder No.FH200-06 (with cleaning sponge)
2. Desolder control box (DCB)
3. Cleaning drill (for heating element)
4. Filter pipe assembly
5. Ceramic paper filter (10 pcs.)
6. MODEL FM-2024 Desoldering tool
7. Handle (for gun configuration)
8. Nozzle remover
9. Connecting cable

* Not included nozzle remover.

Specifications

DCB (Desolder Control Box)

Power Consumption	12W
Output	24V
Vacuum Generator	Ejector type
Vacuum Pressure	93kPa (700mmHg)
Suction Flow	28L/min
Tip to Ground Potential	< 2mV
Applied Air Pressure	490kPa (5.0kgf/cm ²) When in use (trigger or button is pressed)
Compressed Air Consumption	46L/min
Outer Dimensions	119(W) x 45(H) x 172(D)mm
Weight	1.2kg

Desoldering tool

Power Consumption	70W (24V)
Temperature Range	350 to 450 °C (650 to 840 °F)
Tip to Ground Resistant	< 2Ω
Tip to Ground Potential	< 2mV
Total Length (w / o cord)	180mm
Weight (w / o cord & hose)	65g
Cord Length	1.2m

Replacement Parts



HAKKO FM-2024 DCB (Desolder Control Box)

Check the locations of parts in the exploded view.

·DCB (Desolder Control Box)

Part No.	Name	Specifications
A1514	Ceramic paper filter	Set of 10
B2880	Vacuum outlet cap	With o-ring



HAKKO FM-2024 Desoldering tool

Check the locations of parts in the exploded view.

·Desoldering tool

Nozzles for HAKKO FM-2024 depend on the market.

 [N1 Series for Japan, Oceania, Asia & Other countries](#)

 [N3 Series for North America & EU](#)

Part No.	Name	Specifications
FM2024-02	Model FM-2024 Desoldering tool only	24V-70W *Does not come with nozzle remover
A1511	Filter pipe assembly	Set of 10
A1512	Front holder	
A1513	Back holder bushing	
B2872	Handle	For gun configuration
B2873	Cleaning drill	For heating element
B2876	Nozzle remover	
B2877	Hose	
B2878	Back holder *For replacement, the disassembly of Handle is required.	
B2879	Flange	

·Iron holder

Part No.	Name	Specifications
FH100-05	Iron holder	For Model FM-2024
FH200-06		- If Auto sleep function setting mode*is required, please purchase No.FH200-06.
A1519	Cleaning sponge	For FH100-05(Yellow)
A1536		For FH200-06(Green)

*Available Station is HAKKO FM-203, HAKKO FM-204 & HAKKO FM-205

● Option

Part No.	Part Name	Specifications
B2874	Cleaning Pin	for 0.6mm nozzle
B1086		for 0.8mm nozzle
B1087		for 1.0mm nozzle
B1088		Cleaning pin for nozzle 1.3mm (colour depends on its specification.)
B1089		for 1.6mm nozzle
B2875		for 2.0/2.3mm nozzle

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