

# HAKKO 474·475 ESD SAFE



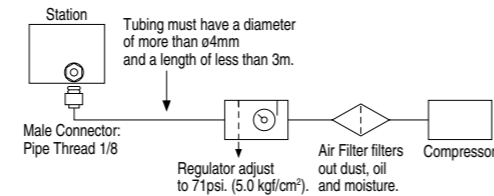
**Choose the system that best fits your needs!**  
The portable HAKKO 474 vacuum pump type or the economical HAKKO 475 air compressor type.

- Both models are constructed of static dissipative materials using an ESD design which prevents damage to circuit boards and parts caused by electro-static discharge.
- Heating element and motor features zero-cross switching in order to prevent electrical surges.
- An insulated transformer completely isolated the output circuit from the power input circuit.

### HAKKO 475 - external air compressor type

- Use filtered air to clean away any dust, oil and moisture.
- With the trigger pulled and air flowing, adjust the regulator air pressure to 71 psi (5.0kgf/cm<sup>2</sup>).

### Connections



### Specifications

Model No.	474	475
Power Consumption	100W	70W

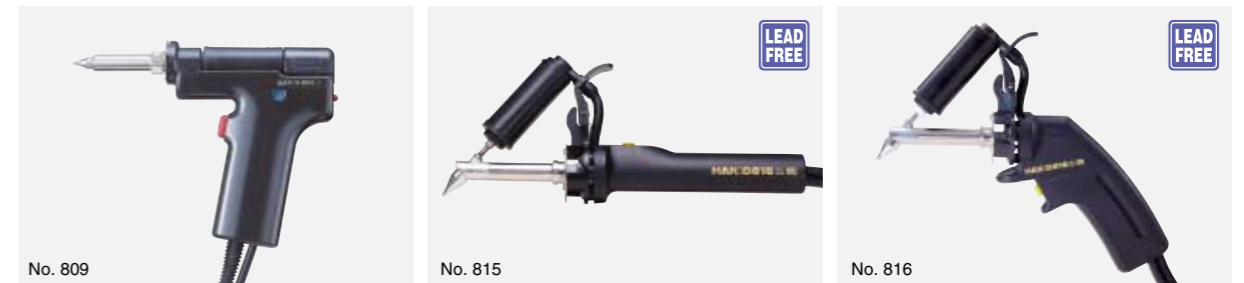
### Station

Output Voltage	AC 24V	
Vacuum Generator	Double Cylinder Type	Ejector Type
Vacuum Pressure (Max.)	80kPa (600mmHg)	93kPa (700mmHg)
Suction Flow	15 l/min.	28 l/min.
Nozzle to Ground Resistance	< 2 $\Omega$	
Nozzle to Ground Potential	< 2mV (Typ. 1.2mV)	
Applied Air Pressure	---	71psi (5.0kgf/cm <sup>2</sup> )(490kPa)
Compressed Air Consumption	---	1.62 c.f.m. (46 l/min.)
Dimensions	165(W) x 135(H) x 260(D)mm	
Weight (w/o cord)	3.8kg	3.0kg

### Packing List

Model Name	Contents	
HAKKO 474 with 809	Station.....1	
	Desoldering gun (809) .....1	
	Filter pipe .....1	
	Cleaning pin for $\phi 1.0\text{mm}$ nozzle .....1	
	Cleaning pin for heating element .....1	
	Cleaning drill for $\phi 1.0\text{mm}$ nozzle .....1	
	Ceramic paper filter (S) .....2	
HAKKO 475 with 809	Ceramic paper filter (L) .....4	
	Spring filter.....3	
	Silicone grease .....1	
	Iron holder (No.631-06) .....1	
Spanner wrench.....1		
HAKKO 474 with 815/816	Station.....1	
	Desoldering gun (815/816) .....1	
	Filter pipe .....1	
	Cleaning pin for $\phi 1.0\text{mm}$ nozzle .....1	
	Cleaning pin for heating element .....1	
	Cleaning drill for $\phi 1.0\text{mm}$ nozzle .....1	
	Ceramic paper filter (S) .....2	
	HAKKO 475 with 815/816	Ceramic paper filter (L) .....4
		Spring filter .....3
		Silicone grease .....1
Iron holder (No.635-01) .....1		
Wrench .....1		
Anti-seizure .....1		

### Desoldering Tools for HAKKO 474 . 475



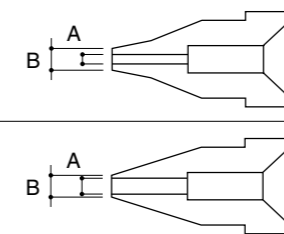
### Specifications

Model No.	809	815	816
Type	Gun	Pen	Gun
Power Consumption	50W (24V)		
Temperature Range	380-480°C		
Standard Nozzle	A1003 ( $\phi 1.0\text{mm}$ S type)	A1499 ( $\phi 1.0\text{mm}$ S type)	
Dimensions	135(W) x 174(H)mm	200(W) x 80(H)mm	180(W) x 150(H)mm
Weight (w/o cord)	200g	100g	120g

### Replacement Nozzles

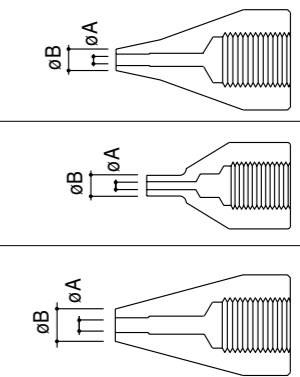
#### For 809

Part No.	A	B
A1002	0.8	1.8
A1003	1.0	2.0
A1004	0.8	2.3
A1005	1.0	2.5
A1006	1.3	3.0
A1007	1.6	3.0



#### For 815, 816

Part No.	A	B
A1496	0.8	1.8
A1499	1.0	2.0
A1497	0.8	2.2
A1498	0.8	2.3
A1500	1.0	2.5
A1501	1.3	3.0
A1502	1.6	3.0
A1503	2.0	3.6



Unit : mm