



H K Wentworth Group
Distributed and Supported in
the UK

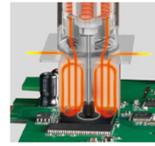


hakko.com - hakko.co.uk

Packing List:

-  FR-810B Rework Station with British Power Lead, Temperature Distribution Chart + Instruction manual
-  Handpiece with $\phi 4$ mm Nozzle (N51-02)
-  Handpiece Holder (B5048)
-  Hot Air Control Knob with screw (B3023)
-  Vacuum Suction Pads $\phi 7.6$ mm (A1438)
-  Vacuum Suction Pads $\phi 5$ mm (A1439)
-  Vacuum Suction Pads $\phi 3$ mm (A1520)
-  Heat Resistant Pad (B2300)

FR-810B



Hot Air Convection



Vacuum Pick Up

Specifications:

FR-810B

Power consumption	AC 230V: 1,200W
Temperature range	50 to 600°C

FR-810B Station

Power consumption	30W
Temperature range	50 to 600°C
Air flow	1-9 (5 to 115L/min)
Dimensions	160(W) \times 145(H) \times 220(D)mm
Weight	1.5kg
Vacuum pressure	81kPa (610mmHg)

Handpiece

Power consumption	AC230V: 1,170W
Standard nozzle	$\phi 4$ mm (No.N51-02)
Total length	250mm
Weight	180g
Vacuum generator	Diaphragm pump

* Total length and weight for handpiece (w/o cord, standard nozzle)
* Airflow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

Nozzles:

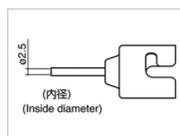
The FR-810B requires the quick change N51 Series hot air nozzles which are available in a range of sizes. The FR-810B comes supplied with the N51-02 standard 4mm nozzle, other sizes are available to purchase separately.

N51 Series

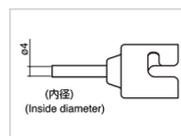
Singles



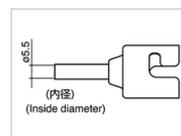
N51-50 Nozzle Set
Contains N51-01, N51-03, N51-04, and N51-05.



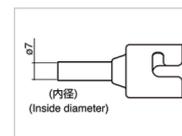
N51-01 Single
Vacuum function inoperative nozzle



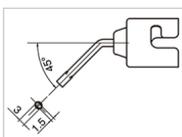
N51-02 Single
Standard nozzle for FR-810/FR-810B



N51-03 Single



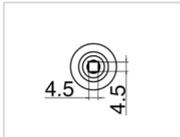
N51-04 Single



N51-05 Bent Single
Vacuum function inoperative nozzle

Nozzles (continued):

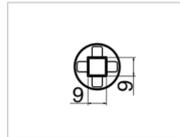
BGA Type



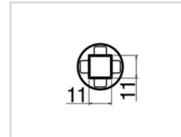
N51-10 BGA
Size 4x4



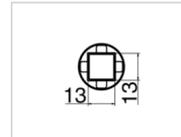
N51-11 BGA
Size 6x6



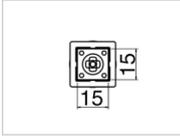
N51-12 BGA
Size 8x8



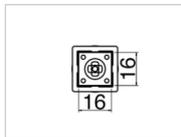
N51-13 BGA
Size 10x10



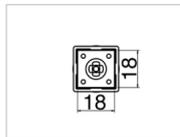
N51-14 BGA
Size 12x12



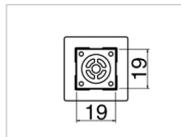
N51-15 BGA
Size 14x14



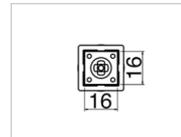
N51-16 BGA
Size 15x15



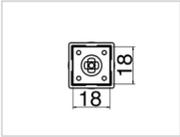
N51-17 BGA
Size 17x17



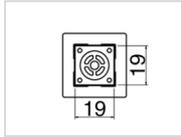
N51-18 BGA
Size 18x18



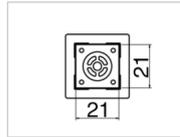
N51-16 BGA
Size 15x15



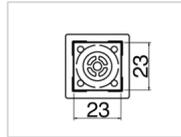
N51-17 BGA
Size 17x17



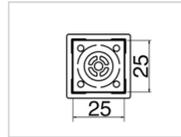
N51-18 BGA
Size 18x18



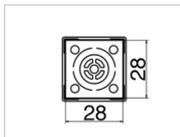
N51-19 BGA
Size 20x20



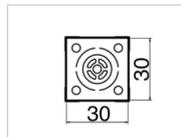
N51-20 BGA
Size 22x22



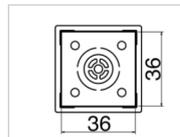
N51-21 BGA
Size 24x24



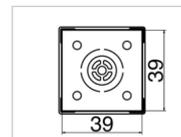
N51-22 BGA
Size 27x27



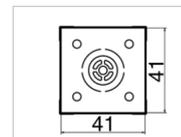
N51-23 BGA
Size 29x29



N51-24 BGA
Size 35x35

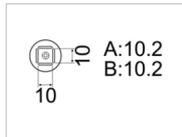


N51-25 BGA
Size 38x38

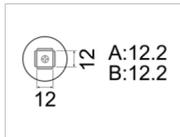


N51-26 BGA
Size 40x40

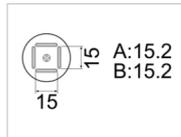
QFP Conventional Type



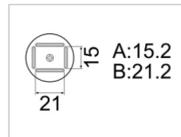
A1125B QFP
Size 10 x 10



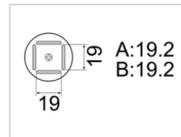
A1262B QFP
Size 12 x 12



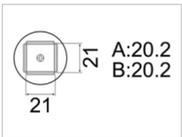
A1126B QFP
Size 14 x 14



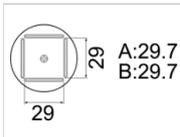
A1128B QFP
Size 14 x 20



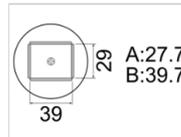
A1127B QFP
Size 17.5 x 17.5



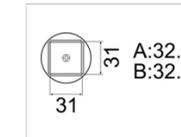
A1261B QFP
Size 20 x 20



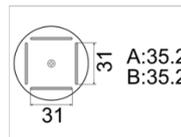
A1129B QFP
Size 28 x 28



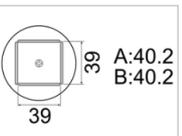
A1263B QFP
Size 28 x 40



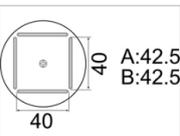
A1265B QFP
Size 32 x 32



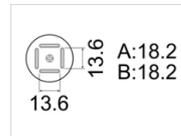
A1203B QFP
Size 35 x 35



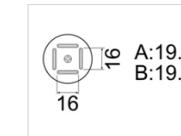
A1264B QFP
Size 40 x 40



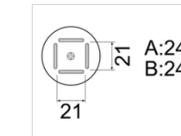
A1215B QFP
Size 42.5 x 42.5



A1180B BQFP
Size 17 x 17



A1181B BQFP
Size 19 x 19

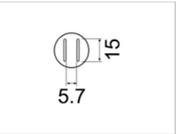


A1182B BQFP
Size 24 x 24

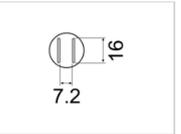
SOP Conventional Type



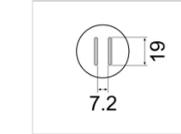
A1131 SOP
Size 4.4 x 10
Vacuum function inoperative
nozzle



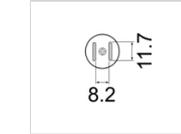
A1132 SOP
Size 5.6 x 13
Vacuum function inoperative
nozzle



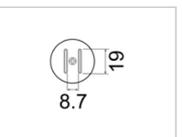
A1133 SOP
Size 7.5 x 15
Vacuum function inoperative
nozzle



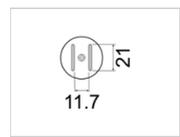
A1134 SOP
Size 7.5 x 18
Vacuum function inoperative
nozzle



A1258B SOP
Size 7.6 x 12.7



A1260B SOP
Size 8.6 x 18



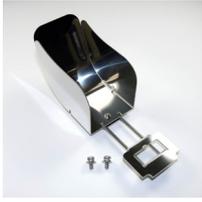
A1257B SOP
Size 11 x 21



A1259B SOP
Size 13 x 28

Recommended Extras:

Available to purchase separately



B5126
Hot Air Guard



C1390C
Omniverse PCB Holder



FR830
PCB Underboard Heater



C5027
PCB Board Holder



C5028
Rework Fixture



C5029
Large Rework Fixture



C1391B
Nozzle Tray for
Conventional Nozzles



WICK
Desolder Braid
Available in different sizes



FT640 / FT641
Tweezers



FS210
Flux Pen



FG100B + C1541
Thermometer + Hot Air Station
Probe



H K Wentworth Group
Distributed and Supported in
the UK