



American Hakko Products, Inc.

# PRODUCT BULLETIN

**Bulletin No:** PB378

**Issue Date:** 5-10-2016

**Available:** 5-17-2016

**Product Description:**


HAKKO FR-810B Hot Air Rework Station

**Part No:**

FR810B-05



**Specification:**

<b>Model</b>	FR-810B
<b>Part No.</b>	FR810B-05
<b>Input Voltage</b>	120 VAC 50/60 Hz
<b>Power Consumption</b>	820W
<b>Heater Power Consumption</b>	790W
<b>Airflow Source</b>	Turbine
<b>Airflow Capacity<sup>1</sup></b>	5 – 115 L/min
<b>Temperature Range<sup>2</sup></b>	50°C – 600°C (120°F – 1120°F)
<b>Handpiece Length<sup>3</sup></b>	250 mm (9.8 in.)
<b>Handpiece Weight<sup>3</sup></b>	180 g (0.40 lb.)
<b>Station Dimensions<sup>4</sup></b>	160 x 145 x 220 mm (6.3 x 5.7 x 8.7 in.)
<b>Station Weight</b>	1.5 kg (3.3 lb.)
<b>ESD Safe</b>	Yes
<b>Safety Approval</b>	

**Contents:**

<b>Part No.</b>	<b>Description</b>
--	FR-810B Hot Air Rework Station
<b>B5054</b>	Power Cord
<b>B2300</b>	Heat Resistant Pad
<b>B5048</b>	Handpiece Holder
<b>B3023</b>	Large Vacuum Pipe Knob (w/screw)
<b>A1520</b>	Pad 3.0mm (2 pcs)
<b>A1439</b>	Pad 5.0mm (2 pcs)
<b>A1438</b>	Pad 7.6mm (2 pcs)
--	Instruction Manual

1 – Airflow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

2 – Under certain airflow and temperature setting conditions, the station may not attain the maximum allowable temperature selection.

3 – As measured without the cord assembly attached

4 – Measured in order of W x H x D



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**Comments:**

When the HAKKO FR-810 was first released in September 2014, the improved performance and features set the new standard for hot air rework stations, but HAKKO is always innovating and looking to improve our products to meet customer needs, and one customer need was an integrated vacuum pickup system.

The new HAKKO FR-810B now includes an integrated vacuum pickup system that includes a visual indicator for reflow, allowing the operator to visually see when the component has completely reflowed and is safely lifted from the PCB. This allows the operator to lift the handpiece without fear of damaging pads or leads.

In addition to the new integrated vacuum pickup system, HAKKO will be releasing additional new N51 Series Hot Air Nozzles for SMT components that are configured for use with this new vacuum pickup system and compatible with the new HAKKO FR-810B as well as the older HAKKO FR-810. Older nozzles from the HAKKO FR-810, FR-803B, FR-802 and FR-801 hot air stations are also compatible with the FR-810B.

***Note: Please be careful when using older HAKKO N51 nozzles as select nozzles are not compatible with the vacuum pick up feature and can cause damage to the unit if used improperly. Please see PB380 Change to N51 Series nozzles and the FR-810B User Manual, section 4 for more information.***

***An adaptor is no longer required to use older nozzles from the HAKKO FR-801, FR-802 and FR-803B with the HAKKO FR-810B. Please see PB377 B5045 Spec Change for more information.***

For more information please visit us at [www.HakkoUSA.com](http://www.HakkoUSA.com)