

# JBC

[www.jbctools.com](http://www.jbctools.com)

English



## Nitrogen Kit

Ref. KN-A

## Packing List

The following items should be included:

### Nitrogen Flow

- Regulator** .....1 unit Ref. MN-A  
**Stand** .....1 unit Ref. DN-SD  
**Nitrogen Handle**.....1 unit Ref. T245-NA



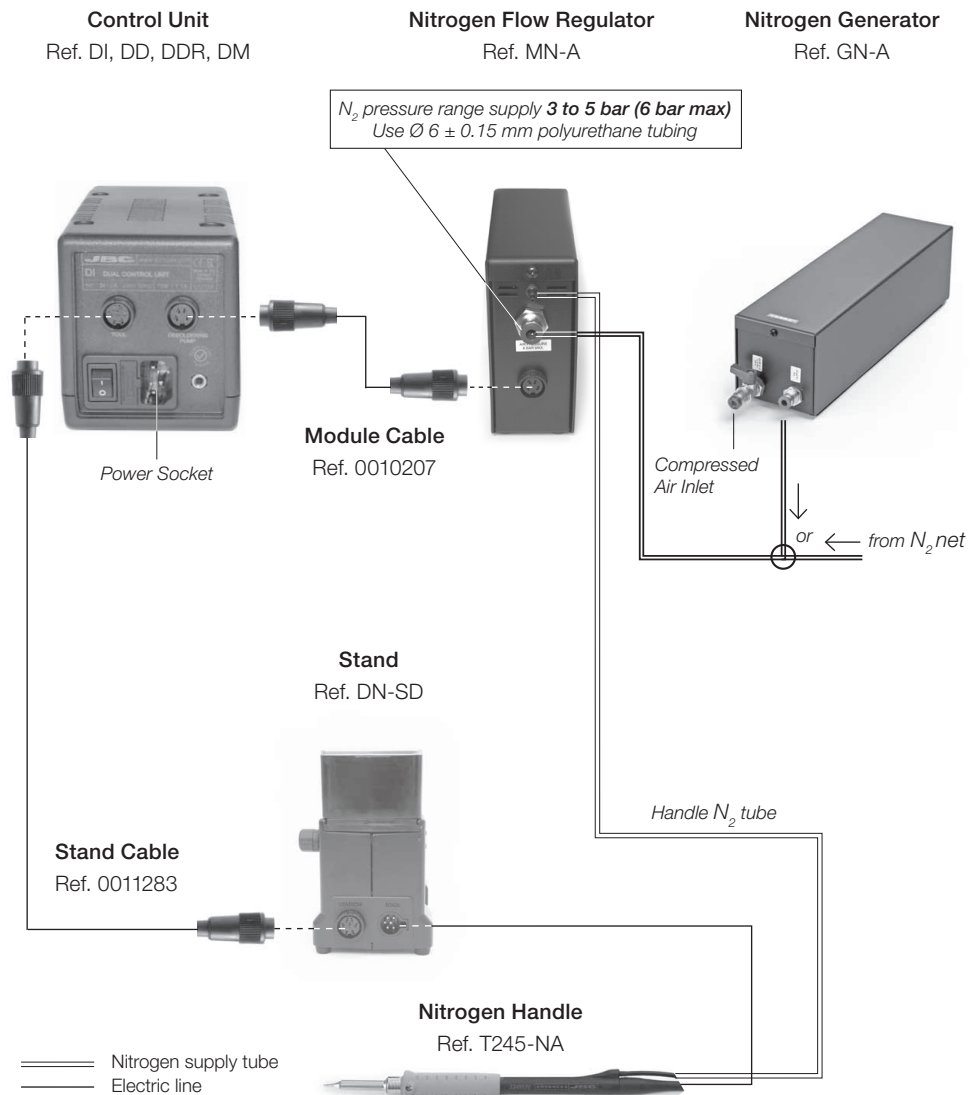
- Nozzles** ..... 2 units Ref. B7243 (x1)  
 B7244 (x1)  
**Cartridge** .....1 unit Ref. C245903  
**Tip Cleaner** .....1 unit Ref. CL9885  
**Sponge** .....1 unit Ref. S0354



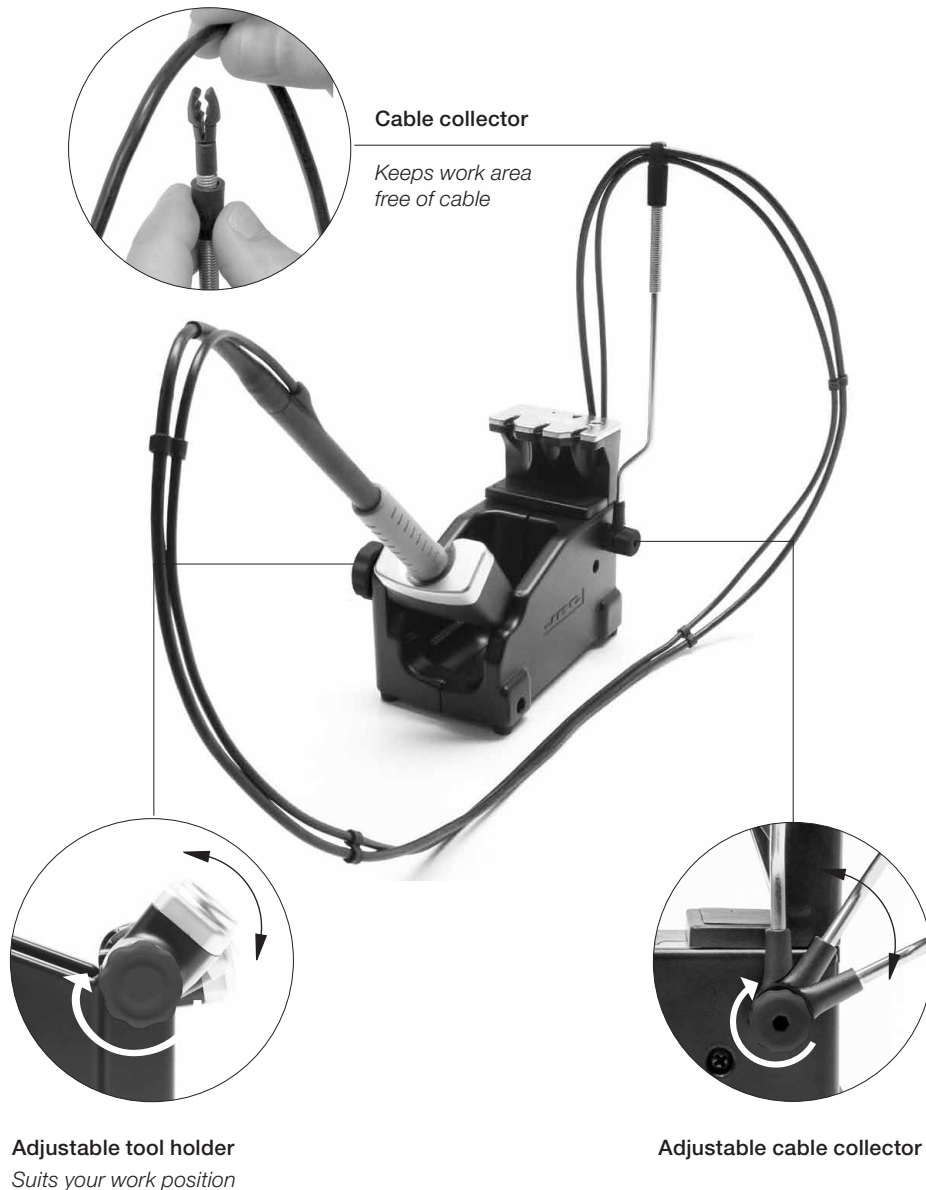
- Stand Cable** .....1 unit Ref. 0011283  
**Module Cable** .....1 unit Ref. 0010207  
**Manual**.....1 unit Ref. 0013741



## Features



## Adjustable Stand



## Tip Cleaner

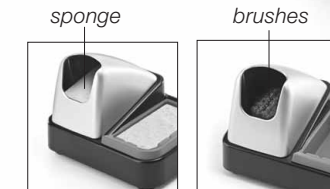
Improve thermal transfer by cleaning the tip after each solder joint.

**Brass wool**  
Ref. CL6210

Very effective cleaning method. It leaves a small layer of solder on the tip to prevent oxidation between cleaning and rewetting.

**Splashguard**

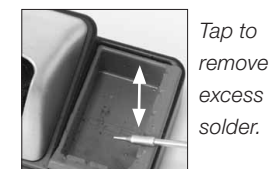
It prevents splashing of solder particles. Also compatible with:



**Wiper tray**  
Ref. CL0236

A temperature resistant receptacle lets the operator remove excess solder by gentle tapping or wiping. It can be easily removed for cleaning.

Tapping:



Wiping:



Maintenance:



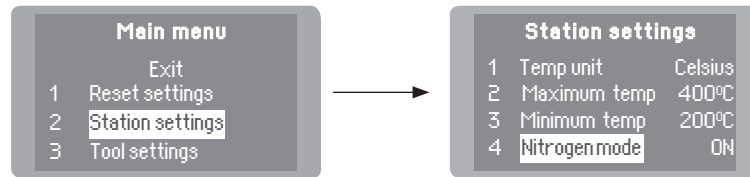
**Sponge**  
Ref. S0354

The least harmful cleaning method. Keep the sponge damp with distilled water when working to avoid tip wear.

**Non-slip base**  
No need to hold the base while cleaning tips.

## Initial Set up

Once the Nitrogen Flow Regulator (MN-A) is connected to the Control Unit, enter the Station Settings menu and enable the Nitrogen Mode.



## Operation

The MN is an electrovalve controlled by the soldering station that allows you to solder using nitrogen. It guarantees minimal gas consumption and prevents tip oxidation.

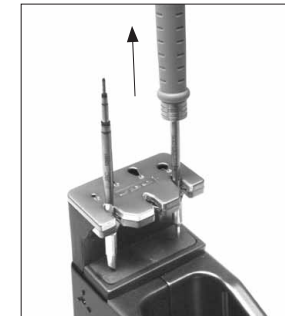
The nitrogen flow is automatically activated when the soldering iron is lifted from the stand. It stops when the tool is placed back and the tip temperature drops to the sleep mode.



## Changing Cartridges

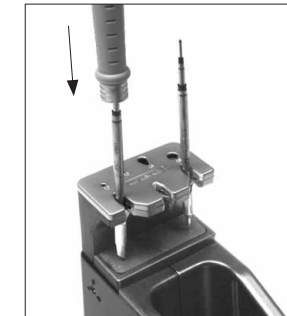
Save time and change cartridges safely without switching the station off.

### 1. Removing



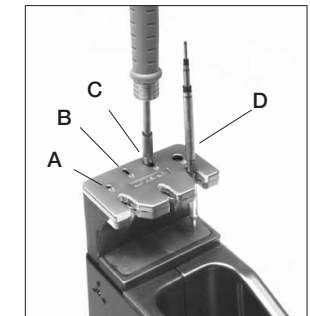
Place the handle in the extractor and pull to remove the cartridge.

### 2. Inserting



Place the handle on top of the new cartridge and press down.

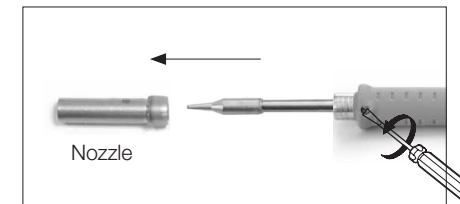
### 3. Fixing



Use the holes for fixing the cartridge\* as follows:  
**A.** For straight C210.  
**B.** For curved C210.  
**C.** For curved C245.  
**D.** For straight C245.

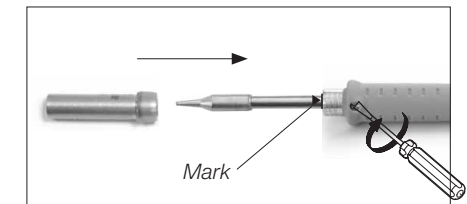
### Important:

#### Before changing the cartridge



Pull out the nozzle and loosen the cartridge to remove.

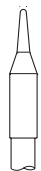
#### \*After changing the cartridge



Insert the cartridges as far as the mark for a proper connection and tighten the screw for the tool to function.

## Compatible Cartridges

The T245-NA Nitrogen Handle works with C245 cartridges. Find the model that best suits your soldering needs in [www.jbctools.com](http://www.jbctools.com)



Round



Chisel



Round bent



Bevel

## Maintenance

Before carrying out maintenance or storage, always allow the equipment to cool.

- Clean the station screen with a glass cleaner or a damp cloth.
- Use a damp cloth to clean the casing, the stand and the tool. Alcohol can only be used to clean the metal parts.
- Periodically check that the metal parts of the tool and stand are clean so that the station can detect the tool status.
- Maintain tip surface clean and tinned prior to storage in order to avoid tip oxidation. Rusty and dirty surfaces reduce heat transfer to the solder joint.
- Periodically check all cables and tubes.
- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.



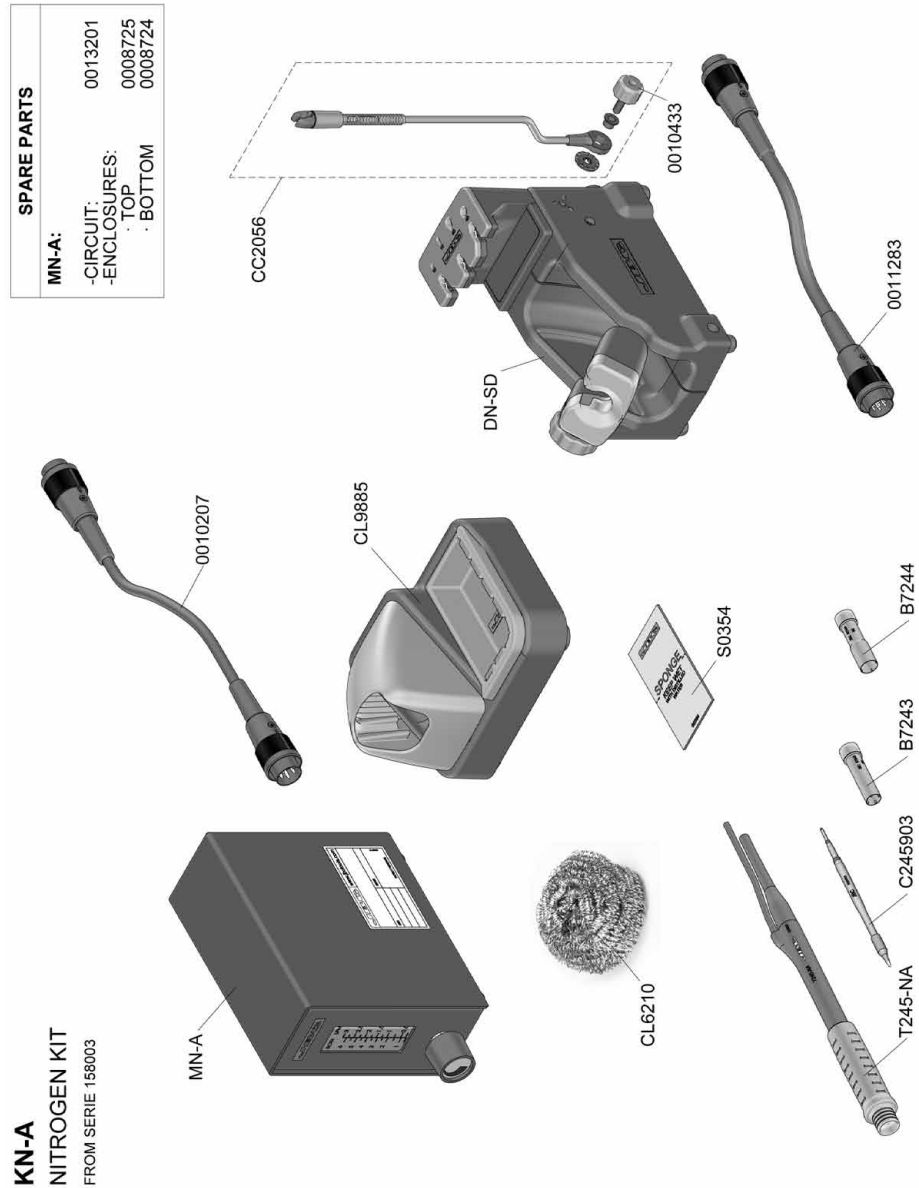
## Safety



**It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.**

- Do not use the units for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Do not work on electrically live parts.
- The soldering tip, the stand and the metal part of the tool may still be hot even when the station is turned off. Handle with care.
- Do not leave the appliance unattended when it is on.
- Do not cover the ventilation grills. Heat can cause inflammable products to ignite.
- Use a "non residue" classified flux and avoid contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protective glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste which can cause burns.
- This appliance can be used by children over the age of eight and also persons with reduced physical, sensory or mental capabilities or lack of experience provided that they have been given adequate supervision or instruction concerning use of the appliance and understand the hazards involved. Children must not play with the appliance.
- Maintenance must not be carried out by children unless supervised.

## Exploded View



## Specifications

- Weight: 3.5 Kg (7.8 lb)
- Dimensions of the MN-A: 50 x 120 x 130 mm
- N<sub>2</sub> pressure range supply: 3-5 bar
- Maximum N<sub>2</sub> pressure: 6 bar
- N<sub>2</sub> flow regulation: 0.5 - 3 SLPM
- Recommended N<sub>2</sub> flow: 1-2 SLPM
- Ambient Operating Temperature: 10-40 °C (50-104 °F)

Complies with CE standards  
ESD protected housing "skin effect"

# **JBC**

---

## **Warranty**

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour. Warranty does not cover product wear due to use or mis-use.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.

---



This product should not be thrown in the garbage.

In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life must be collected and returned to an authorized recycling facility.