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English

Nitrogen Flow Regulator

Ref. MNE-A

Packing List

The following items should be included:

Nitrogen Flow Regulator..... 1 unit
Ref. MNE-A

Module Cable .....1 unit
Ref. 0014874

Manual .....1 unit
Ref. 0014700

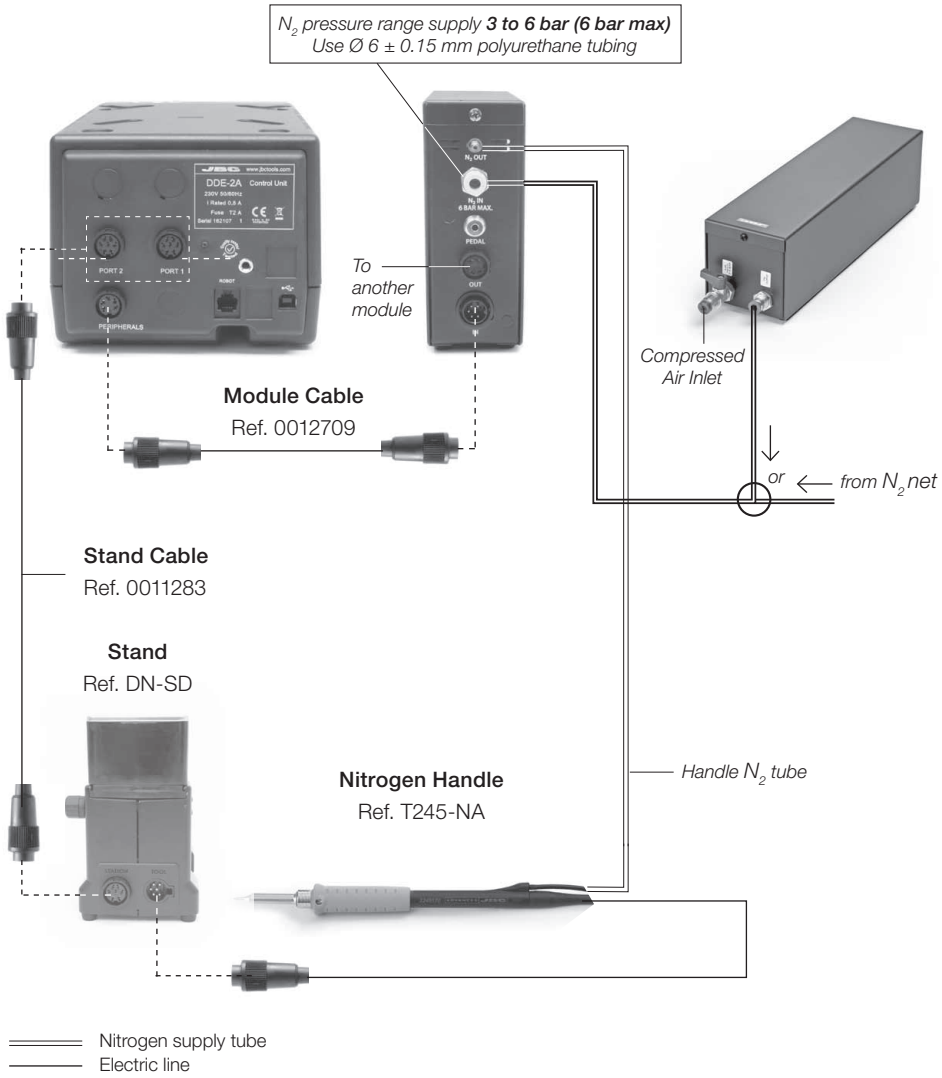
Features

The MNE-A requires the GN-A generator or an available nitrogen supply at the operator´s bench.

Control Unit
Ref. DDE-A
DME-A

Nitrogen Flow Regulator
Ref. MNE-A

Nitrogen Generator
Ref. GN-A



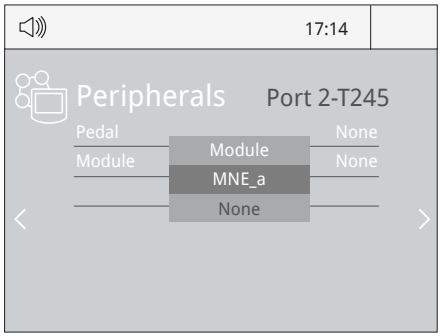
Initial Set up

For DDE Control Unit

1. After connecting the MNE, enter the **Peripherals** Menu and select the port you want to join to the module.

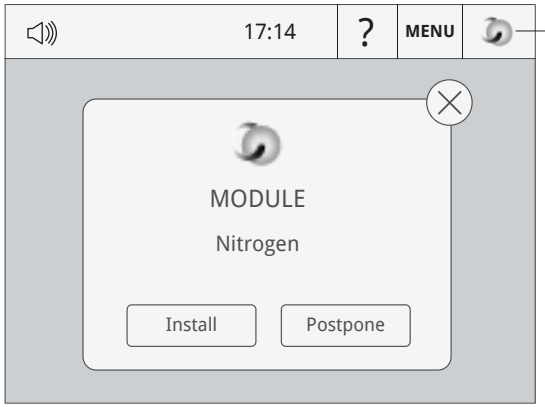
2. Select the module from the list of peripheral connections. Remember your first connection is denoted as “a”, the second as “b”, etc. (e.g. MNE_a, MNE_b,...)

3. Press Menu or Back to save changes.



For DME Control Unit

When a new MNE is detected, a **pop-up screen** appears with instructions.
If no screen appears, click on the **icon** on the main bar and follow the steps.



Appears only when the installation is postponed

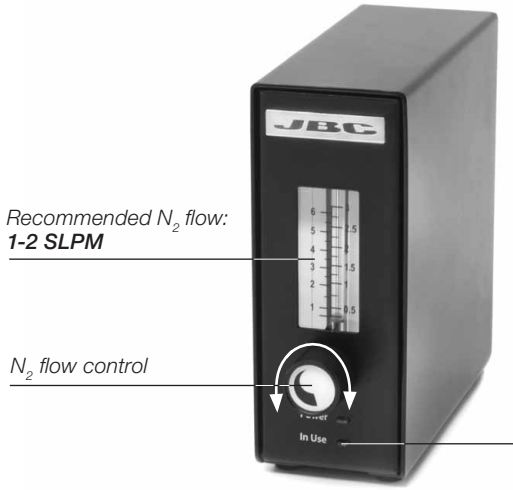
For both Control Units

Once set up, you can change the module settings by entering the **Peripherals** Menu.

Operation

Using nitrogen improves the quality of the solder joint as well as preventing tip oxidation.
The MNE is an electrovalve that manages nitrogen flow. It is controlled by the station which keeps gas consumption to a minimum.

1. The nitrogen flow is automatically activated when the soldering iron is lifted from the stand.
2. The flow is interrupted when the tool is returned to the stand and the temperature drops for the tip to go into the Sleep mode.



Accessories

Use the P-005 Pedal to **enable/disable** the module. This pedal will work with any module or tool regardless of the module to which it is connected.

Pedal
Ref. P-005

Maintenance

Before carrying out maintenance or storage, always unplug the equipment.

- Keep the casing clean by using a damp cloth.
- 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.
- Maintenance shall not be carried out by children unless supervised.

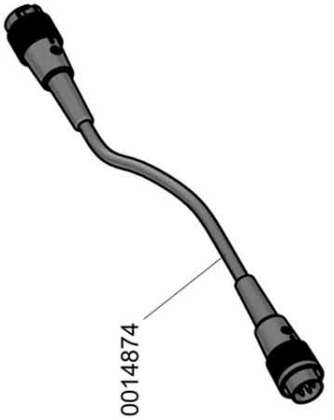
Safety

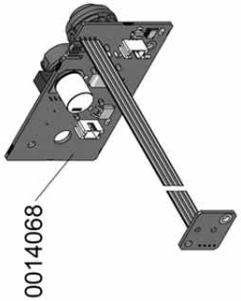
It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

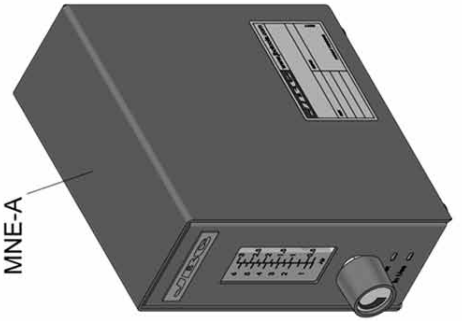
- Only nitrogen can be used with this unit.
- Do not use the unit for any purpose other than soldering or rework. Incorrect use may cause fire.
- The power cord must be plugged into approved bases. Be sure that it is properly grounded before use. When unplugging it, hold the plug, not the wire.
- Do 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 inflamable products to ignite.
- Use a “non residue” classified flux and avoid contact with skin or eyes to prevent irritation.
- Be careful of 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.

Exploded View

SPARE PARTS	
MNE-A:	
- CIRCUIT	0014068
- ENCLOSURES:	
· TOP	0014074
· BOTTOM	0014072







MNE-A
NITROGEN FLOW REGULATOR

Specifications

- Weight: 1.3 kg (2.8 lb)
- Dimensions: 50 x 130 x 140 mm
- Voltage (AC): 24V (from control unit)
- Power: 3W
- N_2 pressure range supply: 3-6 bar
- Maximum N_2 pressure: 6 bar
- N_2 flow regulation: 0.5 - 3 SLPM
- Recommended N_2 flow: 1-2 SLPM
- Ambient Operating Temperature: 10-40 ºC (50-104 ºF)

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.

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