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## INSTRUCTION MANUAL



# MNE

Nitrogen Regulator Module  
for DDE, DME, HDE Control Units

This manual corresponds to the following reference:

MNE-A

## Packing List

The following items are included:



Nitrogen Regulator Module ..... 1 unit



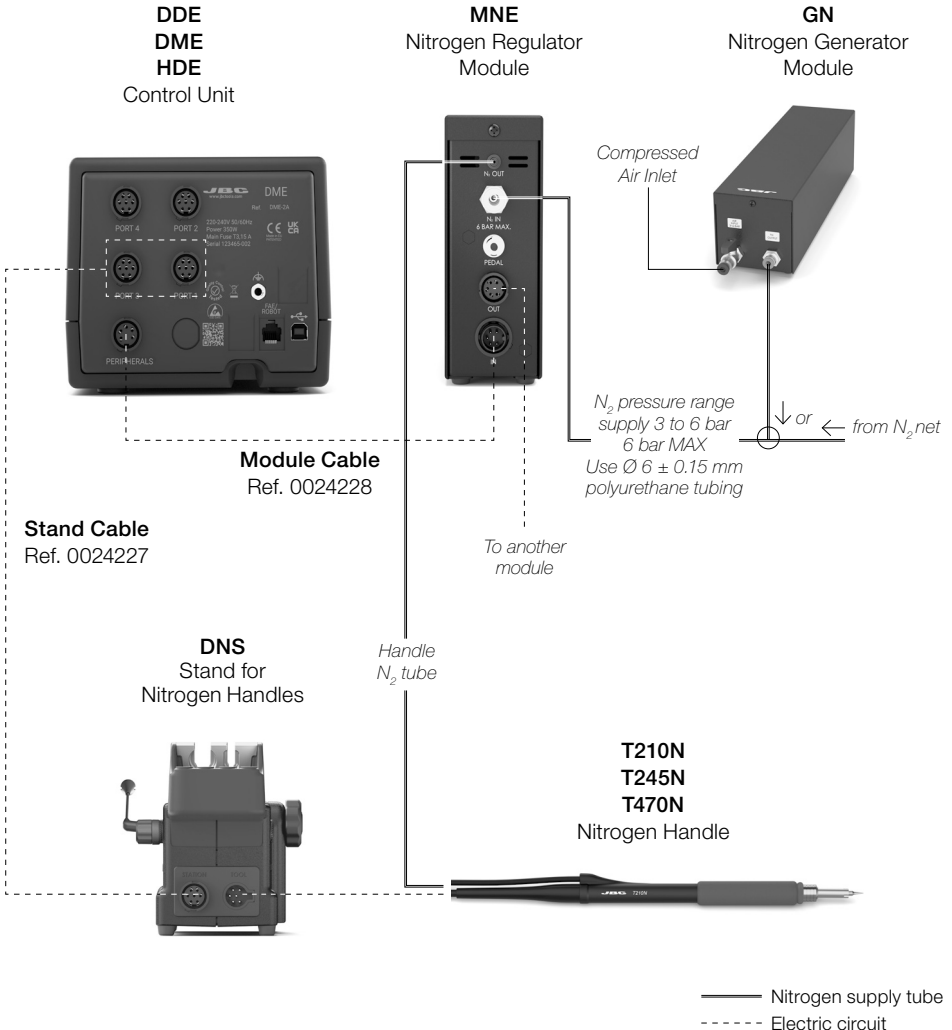
Module Cable .....1 unit  
Ref. 0024228



Manual .....1 unit  
Ref. 0014700

## Connection

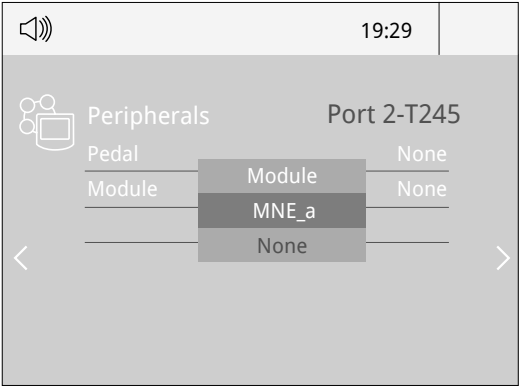
The MNE requires the GN Nitrogen Generator Module or an available nitrogen supply at the operator's bench.



# Initial Set up

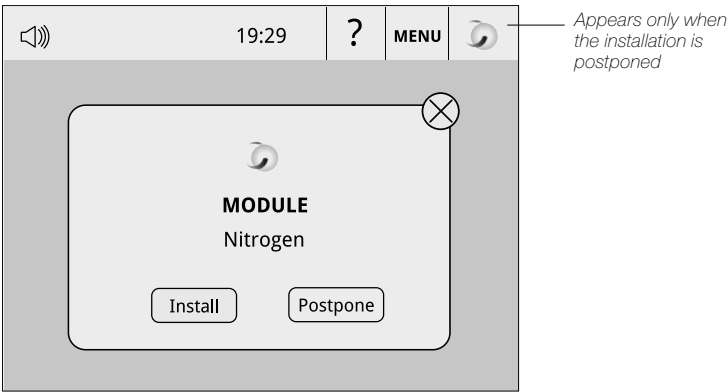
## For DDE and HDE Control Units

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



## For both Control Units

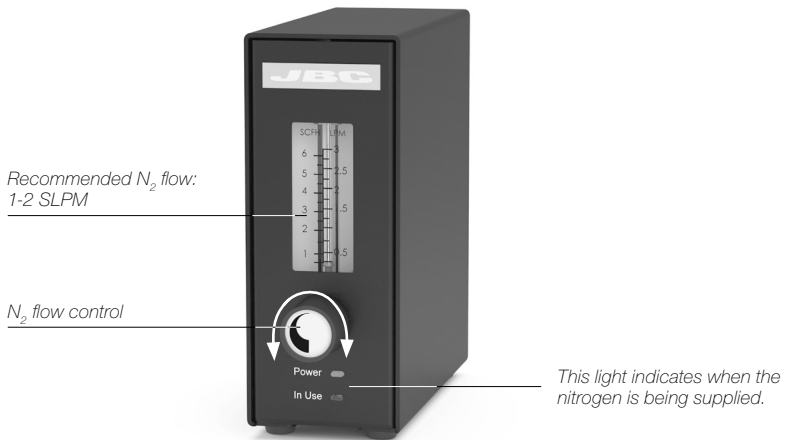


Once set up, you can change the module settings by entering the **Peripherals Menu**.

## Operation

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

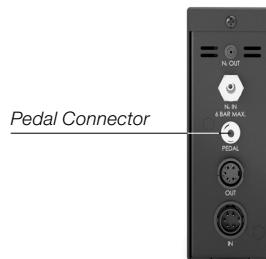
1. The nitrogen flow is automatically activated when the soldering iron is lifted from the stand.
2. The flow is interrupted when the tool is returned to the stand and the temperature drops as the tip goes into Sleep mode.



## Accessories

Use the P005 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. P005



## 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 a 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.
- Avoid flux coming into 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 the use of the appliance and understand the hazards involved. Children must not play with the appliance.

## Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## Specifications

### MNE

#### Nitrogen Regulator Module for DDE, DME, HDE Control Units

Ref. **MNE-A**

- Power: 3 W
- Voltage (AC): 24 V (from control unit)
- N2 pressure range supply: 3-5 bar
- Max. Pressure 6 bar
- N2 flow regulation: 0,5 - 3 SLPM
- Recommended N2 flow: 1-2 SLPM
- Ambient operating temperature: 10 - 40 °C / 50 - 104 °F
  
- Module Dimensions: 130 x 55 x 140 mm /  
(L x W x H): 5.12 x 2.17 x 5.51 in
  
- Total Net Weight: 1142 g / 2.52 lb
- Total Package Dimensions / Weight: 311 x 201 x 106 mm / 1298 g  
(L x W x H) 12.24 x 7.91 x 4.17 in / 2.86 lb

Complies with CE standards.  
ESD safe.

## JBC

### Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labor.

Warranty does not cover product wear or misuse.

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 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.

