



# MRXBOX-DB(2/2.5/3/5)

## Distribution Boxes For Acoustic Enclosures Installation Manual

### 1.0 SAFETY INFORMATION

- This appliance should not be used by children or persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the appliance by a person responsible for their safety. Children shall not play with the appliance. Cleaning and user maintenance shall not be carried out by children.

#### 1.1 Symbols



#### REFER TO INSTRUCTION MANUAL

Read and understand the installation and maintenance manual before installing, operating or maintaining this product.

#### 1.2 Important Information

This manual contains important information on the safe and appropriate assembly, transport, commissioning, operation, maintenance, disassembly and simple troubleshooting of the product.

While the product has been manufactured according to the accepted rules of current technology, there is still a danger of personal injury or damage to equipment if the following general safety instructions and the warnings contained in these instructions are not complied with.

- **Read these instructions completely and thoroughly before working with the product.**
- **Keep these instructions in a location where they are accessible to all users at all times.**
- **Always include the operating instructions when you pass the product on to third parties.**

#### 1.3 Personal Protective Equipment

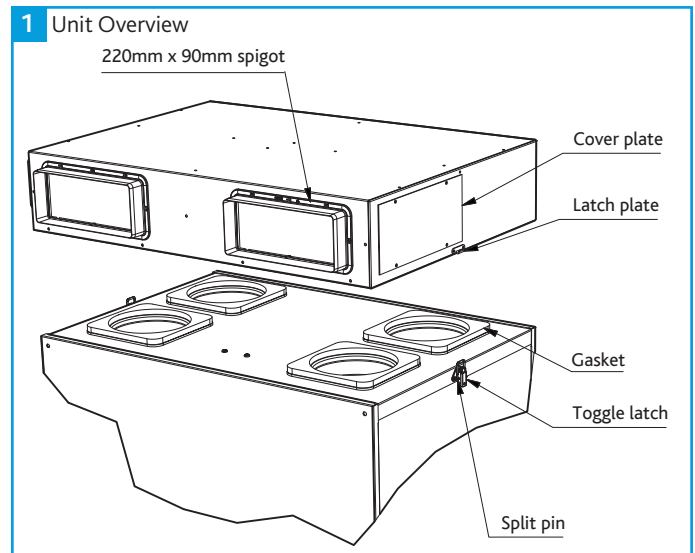
The following minimum Personal Protective Equipment (PPE) is recommended when interacting with Nuaire product:

- **Protective Steel Toed Shoes** - when handling heavy objects.
- **Full Finger Gloves (Marigold PU800 or equivalent)** - when handling sheet metal components.
- **Semi Fingerless Gloves (Marigold PU3000 3DO or equivalent)** - when conducting light work on the unit requiring tactile dexterity.
- **Safety Glasses** - when conducting any cleaning/cutting operation or exchanging filters.
- **Reusable Half Mask Respirators** - when replacing filters which have been in contact with normal room or environmental air.

Nuaire would always recommend a site specific risk assessment by a competent person to determine if any additional PPE is required.

### 2.0 INTRODUCTION

Nuaire's Distribution Boxes are designed to be used in conjunction with Nuaire's 1Z and AE acoustically enclosed wall mounted MVHR units, the product offers improved sound levels and ducting configurations.



### 3.0 INSTALLATION

Installation must be completed by competent persons, in accordance with good industry practice and should conform to all governing and statutory bodies i.e. IEE, CIBSE, etc.

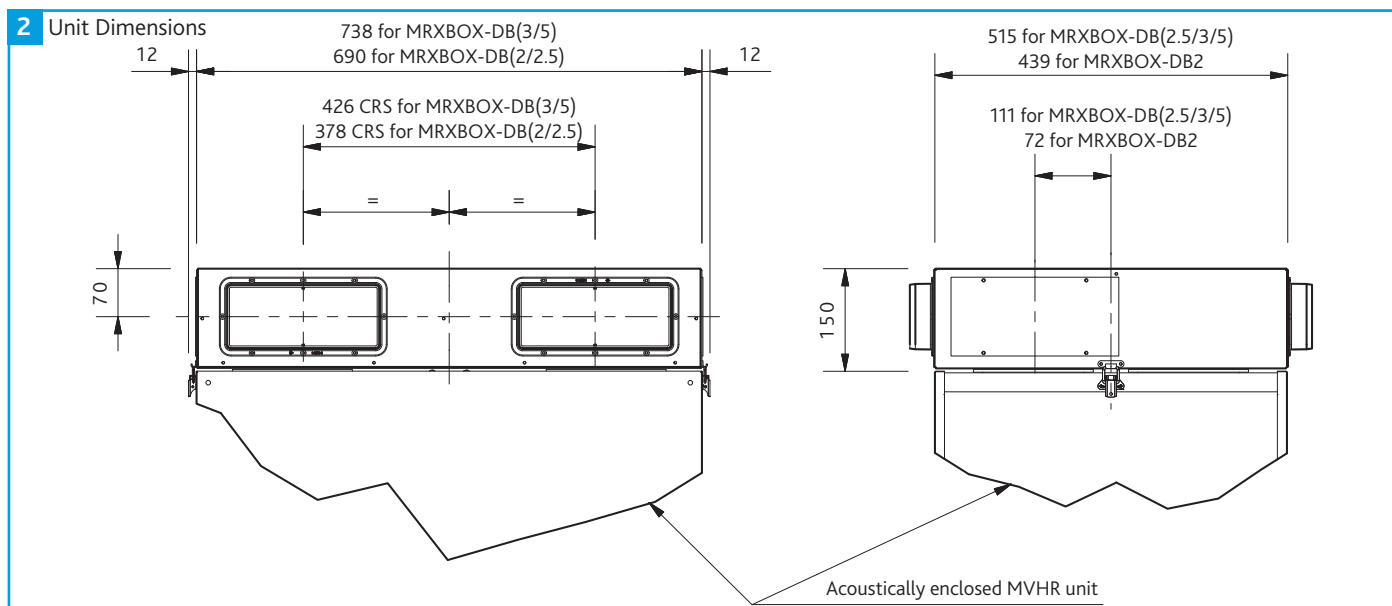
#### 3.1 Ducting

The metal knock outs and foam lining should be removed from any positions that are to be ducted; the 220mm x 90mm spigots supplied can then be fitted to these locations using the self-tapping fixings also supplied. If no spigot is to be fitted the knock out and foam should be left in place and the area blanked off using the cover plates and self-tapping screws supplied (Figure 1).

**A bead of silicone must be applied to the perimeter of all spigots and cover plates fitted to prevent leakage.**

### 3.2 Dimensions (mm)

Dimensions for the MRXBOX-DB2, MRXBOX-DB2.5, MRXBOX-DB3 & MRXBOX-DB5 Distribution Boxes are shown below in Figure 2.



### 3.3 Connection To MVHR Unit

This section covers how to connect the Distribution Box to the acoustically enclosed MVHR unit purchased separately, please refer to the documentation supplied with the MVHR unit for specific installation instructions covering the complete assembly.

The Distribution Box can be fitted with the side connection points towards the front or rear of the assembly depending on the duct requirements.

The four adhesive backed gaskets supplied should be affixed to the plastic clamping plates situated on the top panel of the acoustic enclosure, then fix the two toggle latches provided to the sides of the enclosure top panel using the fixings that have been used to blank off the holes.

The Distribution Box can then be placed on top of the enclosure and clamped in place by fastening the toggle latch to the latch plate, to prevent accidental un-clamping the split pins provided should be fitted to each toggle clamp once in place.

**After installation is completed access to the toggle latches clamping the Distribution Box in place should be accommodated to allow for disassembly if required at a later date.**

**If the distribution box is to be used with an AE product the installation must allow for the front cover of the enclosure to be easily removed for periodic maintenance to be carried out.**

### 4.0 WARRANTY

The warranty starts from the day of delivery and includes parts and labour for the first year. The remaining period covers replacement parts only.

This warranty is void if the equipment is modified without authorisation, is incorrectly applied, misused, disassembled, or not installed, commissioned and maintained in accordance with the details contained in this manual and general good practice.

The product warranty applies to the UK mainland and in accordance with Clause 14 of our Conditions of Sale. Customers purchasing from outside of the UK should contact Nuair International Sales office for further details.

**Only genuine Nuair parts and filters may be used to maintain the unit. Failure to maintain the unit as recommended will invalidate the warranty.**

### 5.0 END-OF-LIFE AND RECYCLING

Where possible Nuair use components which can be largely recycled when the product reaches its end-of-life:

- Fans, motors, controls, actuators, cabling and other electrical components can be segregated into WEEE recycling streams.
- Sheet metal parts, aluminium extrusion, heating/cooling coils and other metallic items can be segregated and fully recycled.
- EPP, plastic ducting, nylon corner pieces, plastic heat exchangers, packaging material and other plastic components can be segregated into mixed plastic and widely recycled.
- Cardboard packaging, wood, used filters and other paper components can be largely recycled or fully processed in energy from waste centres.
- Remaining Items can be further segregated and processed in accordance with the zero waste hierarchy. Please call After Sales Support for further information on items not listed above.

**Ensure that Nuair product is made safe from any electrical / water / refrigerant supplies before dismantling commences. This work should only be undertaken by a qualified person in accordance with local authority regulations and guidelines, taking into account all site based risks.**

### 6.0 AFTER SALES AND REPLACEMENT PARTS

For technical assistance or further product information, including spare parts and replacement components, please contact the After Sales Department.

If ordering spares please quote the serial number of the unit together with the part number, if the part number is not known please give a full description of the part required. The serial number will be found on the identification plate attached to the unit casing.

**Telephone 02920 858 400**  
**aftersales@nuair.co.uk**



