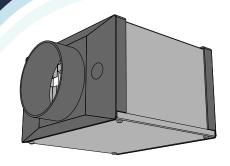
SF-150-PM2.5

Inline Filter Module

Installation and Maintenance Manual



1.0 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.

1.1 PERSONAL PROTECTIVE EQUIPMENT

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

- Protective Steel Toe Capped 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.

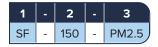
2.0 INTRODUCTION

Nuaire's range of inline filters has been specifically designed to reduce the level of airborne contaminants entering a building, in particular air pollution control, thus improving indoor air quality.

The product includes a **PM2.5** grade filter which is suitable for very fine dust particles in the air that are 2.5 microns or less in diameter.

Units should be fitted on the supply leg of ducting and therefore do not require insulation.

2.1 CODE DESCRIPTION

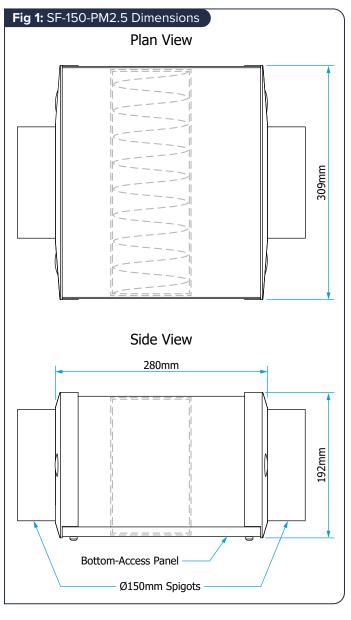


1. Range: Filter Module

2. Spigot Size: **150** = Ø150mm

3. Filter Grade: PM2.5 = Particles up to 2.5 microns

2.2 DIMENSIONS



3.0 INSTALLATION

Installation must be carried out by competent personnel, in accordance with good industry practice, the appropriate authority and in conformance with all statutory and governing regulations.

3.1 ACCESS

Ensure that a ceiling access panel has been installed for maintenance to the unit, the space required is Width: 350 and Length: 450mm.

4.0 MAINTENANCE

Appropriate PPE (Personal Protective Equipment) should be worn during maintenance. Precautions may also be needed to protect the surrounding area from excess duct residue.

4.1 REPLACING THE AIR FILTER

To ensure effective particulate filtration and low system resistance, air filters must be replaced every 12 months and more frequently if local conditions demand. Replacement filters are available for purchase direct from Nuaire, part code 7715271.

- Unscrew the fixings securing the lid in place and remove lid from unit.
- · Remove air filter.
- Fit the replacement filter ensuring the airflow direction shown on the filter (if applicable) matches the airflow of the unit.
- · Refit unit lid.

IMPORTANT

Ensure the lid is fully seated onto the box after refitting it and not sitting on top of the plastic end panels as this will compromise the air-tightness of the module.

5.0 DELIVERY & HANDLING

All equipment is inspected prior to despatch and leaves the factory in good condition. Upon receipt of the equipment an inspection should be made and any damage indicated on the delivery note.

Particulars of damage and/or incomplete delivery should be endorsed by the driver delivering (see Fig 1) the goods before offloading by the purchaser. No responsibility will be accepted for damage sustained during the offloading from the vehicle or on the site thereafter. All claims for damage and/or incomplete delivery must be reported to Nuaire within two days of receipt of the equipment.

6.0 WARRANTY

The 5 year 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 Nuaire International Sales office for further details.

Failure to maintain the unit as recommended will invalidate the warranty.

7.0 END-OF-LIFE AND RECYCLING

Ensure that Nuaire 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.

Where possible Nuaire 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.

8.0 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@nuaire.co.uk

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.

9.0 NOTES