



INSTALLATION INSTRUCTIONS FOR MF FANS MODELS

The Mixflo induct mounted fans have been designed for applications that require high air flows and pressure with low noise levels.

General Conditions:

- This type of extractor fan is designed to work inserted into any stretch of air extraction conduit, whether positioned vertically or horizontally.
- This tubular extractor is designed to be installed in a flexible or rigid ducting of 100/125/150/200 mm diameter depending on the MF model. The extractor (C) is placed between the inlet (A) and the exhaust (B) (Fig. 1).
- Do not install the exhaust pipe of the extractor unit to a chimney, ventilation pipe or hot air conduit.
- Before connecting the units to the ducting, consult the local regulations regarding exhaust air.
- Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.
- Make sure there is sufficient make up air, especially when used with an appliance with a combustion chamber.
- This extractor is designed for the ventilation of homes or similar premises.
- Do not use the extractor in explosive atmospheres
- Do not use in premises where the room temperature exceeds 60°C.
- This extractor does not cause any interference in radio/television sets (CEE regulations No 89/336)
- This fan is double insulated and does not require an earth.

Having unpacked the extractor fan, check that it is undamaged and that it works correctly. If there are faults or damage, do not attempt to use it or repair it yourself.

Installation Guidelines

Switch off the mains supply before making any electrical connections. If in any doubt contact a qualified electrician.

- Installation, electrical connections and adjustments must be performed according to the local regulations by a qualified person
 - Failure to comply with these instructions will void the warranty
 - In the event of incorrect installation, the Manufacturer will not accept responsibility for the material or personal damage which may occur.
 - Before beginning the installation, check that
 - The fan is not distorted or damaged
 - There is no foreign body lodged within the casing
 - The fan moves freely on being turned by hand
1. Loosen the 2 screws (D) and lift the flanges (E). Take the casing assembly (F) out of its housing (Fig. 2).
 2. Install the supporting assembly and spigots (G) in the (C) position (Fig. 2). To do this it is necessary to:
 - Locate the extractor in its installation place (wall or ceiling) and mark the 4 holes (H).
 - Mark the 4 holes using a 6mm bit.
 - Use the plugs and screws supplied with the extractor to fix the assembly.

It is advisable to locate the extractor at a distance of 1 metre or more away from the closest bend and also from the nearest inlet and outlet.
 3. Join the inlet (A) and outlet (B) duct to the spigots (I) with resistant adhesive duct tape (Fig. 2). It is important that the ducting is of the same diameter as the spigots to allow efficient operation of the extractor.

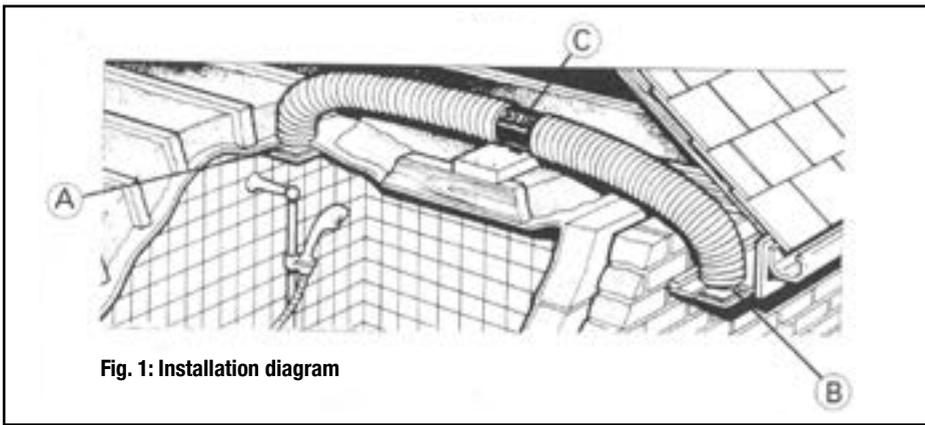


Fig. 1: Installation diagram

- Replace the casing (F) in its housing in such a way that the air circulation direction indicated by the arrows (J) and the cable outlet direction are as desired. Close the flanges (E) and tighten the screws (D) (Fig.2).

N.B. Make sure that once the extractor is installed there is no accidental access to the moving parts

To make the Electrical Connection:

- Loosen the 4 screws (K) and take off the connection cover (M) (Fig. 2).
- Perforate the flex holder (O) to allow the power supply wires to pass through (Fig. 2 & 3).
- Make the connections as indicated below:

**STANDARD MODELS
(MF100S, MF125S & MF150S)**

If you wish to install a switch to allow a choice between high speed (HS) and low speed (LS), see the connection sketch in (Figs. 3 & 4).

- If you wish the fan to work only at low speed (LS), see the connection sketch in (Fig. 5).

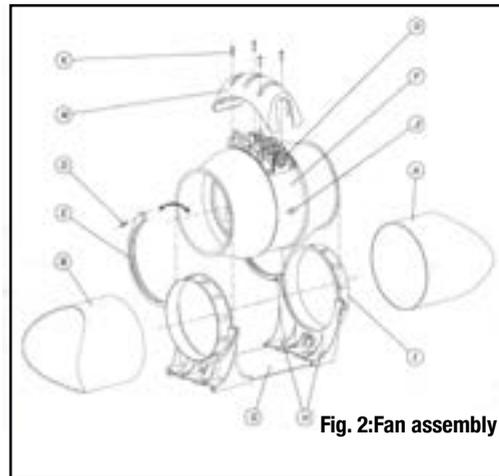


Fig. 2: Fan assembly

ELECTRICAL CONNECTION

- The extractor fan must be connected to a single-phase mains network, at the voltage and frequency indicated on the extractor specification plate.
- The installation must have a switch with a distance between contacts equal to or over 3mm.
- Earthing is not required as this extractor has double insulation. (Class II).
- If the extractor model you have purchased is not fitted with a supply cord then please note that it must be connected permanently
- The 100mm, 125mm and 150mm fans have a two speed motor, and the 200mm version has a three speed motor.
- If the extractor model you have purchased is fitted with a timer, then it must be connected permanently. (Flex of three conductor wires of minimum section 1 mm² and maximum 1.5mm²).

Wiring Diagrams as shown:

- 0-Black,
- 1M, 1T-Brown
- 6M, 6T-Blue
- 8-Grey

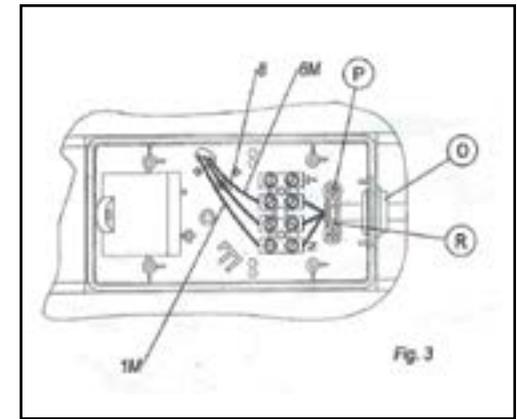


Fig. 3

Wiring Diagrams below for MF100, MF125 and MF150 Two speed standard models:

Fig. 4: 2 Speed control

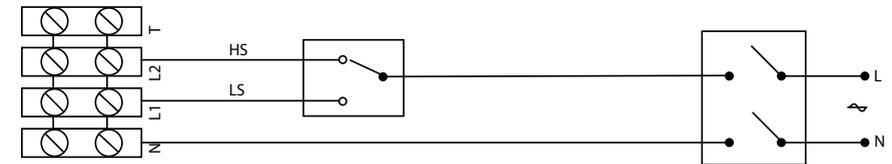


Fig. 5: Low Speed control only

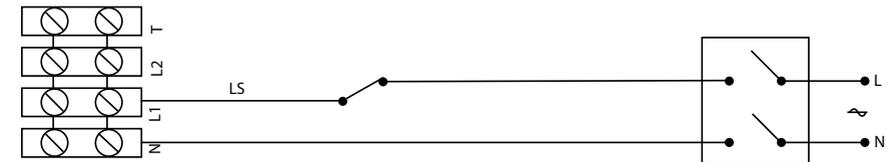
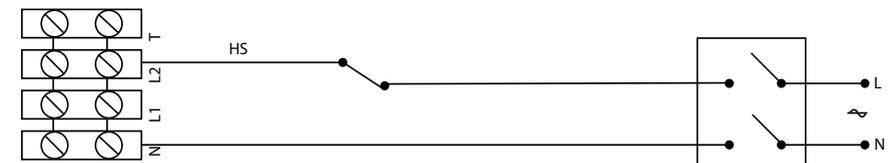


Fig. 6: High Speed control only



MODEL MF200S

If you wish to install a switch to allow a choice between high speed (HS), medium speed (MS) and low speed (LS), see the connection sketch in (Figs. 7).

- If you wish the fan to work only at low speed (LS), see the connection sketch in (Fig. 8).
- If you wish the fan to work at medium speed (MS), see the connection sketch in (Fig. 9).
- If you wish the fan to work at high speed (HS), see the connection sketch in (Fig. 10).

Wiring Diagrams below for MF200 Three speed standard model:

Fig. 7: 3 Speed control

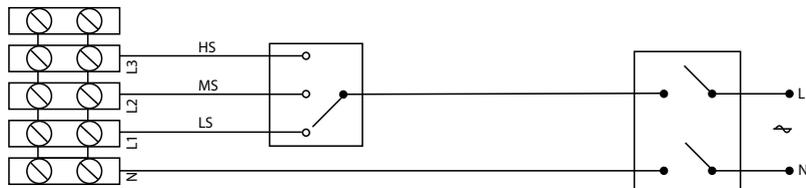


Fig. 8: Low Speed control only

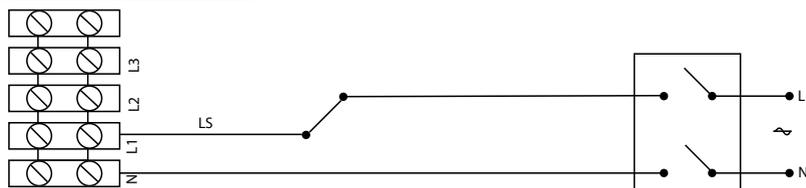


Fig. 9: Medium Speed control only

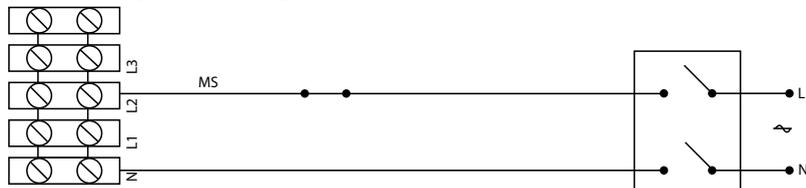
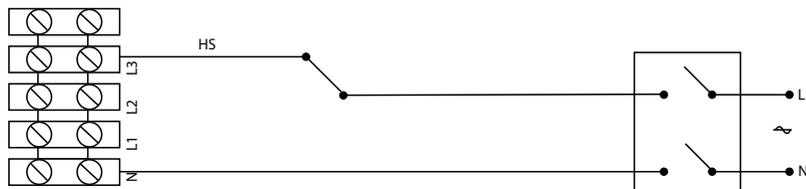


Fig. 10: High Speed control only



- If you wish the fan to work at high speed (HS), see the connection sketch in (Fig. 6).

TIMER MODELS (MF100T, MF125T, MF150T, MF200T)

NOTE: The following applies to TIMER MODELS ONLY The Timer Fan is factory set to run on high speed for 3 minutes.

Timer Fans can only be wired to operate on a single speed at a time.

If required, the wiring of the fan can be modified to run on low speed only instead, to make this change (see fig 12 and fig 13)

- Disconnect the thin blue wire from its connector block
 - Disconnect the thin grey wire from its connector block
 - Put the thin blue wire where the thin grey wire was connected, and put the thin grey wire where the thin blue wire was connected.
- The fan will now operate on low speed for 3 minutes.

Please Note: Please ensure both lengths of fibre insulation sleeves are on the wires after wiring change.

Time Adjustment

The run on time can be adjusted by turning the adjustment knob, in the direction marked on the board. The time can be set from 3 to 15 minutes. (Figure 12)

Maintenance and service

Switch off mains supply before making any electrical connections. If in any doubt contact a qualified electrician.

For any maintenance operation which is not simply cleaning the exterior of the extractor fan, the casing assembly must be taken out of its housing as indicated in point 1 of the installation instructions. Then the two reducer tubes (V) must be removed following the steps set out below: (see Fig. 14)

1. Loosen the screw (X)
2. Turn the reducer tube (V) about 9° anticlockwise (arrow 1)
3. Pull the reducer tube (V) out (arrow 2)

Fig. 11 - Timer Fan Wiring Diagram

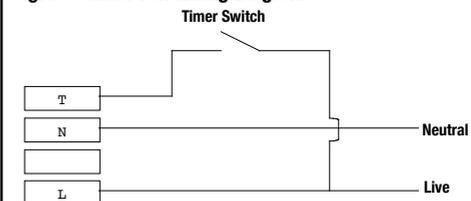


Fig 12. - High Speed Wiring

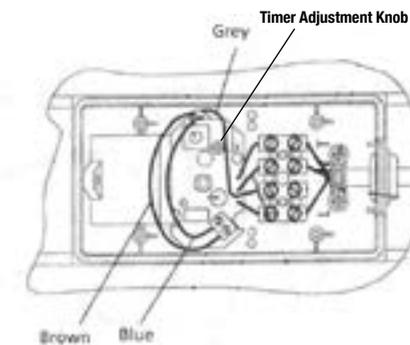
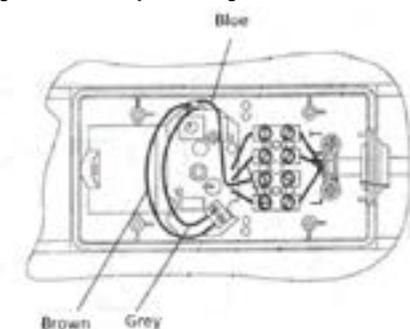


Figure 13. - Low Speed Wiring



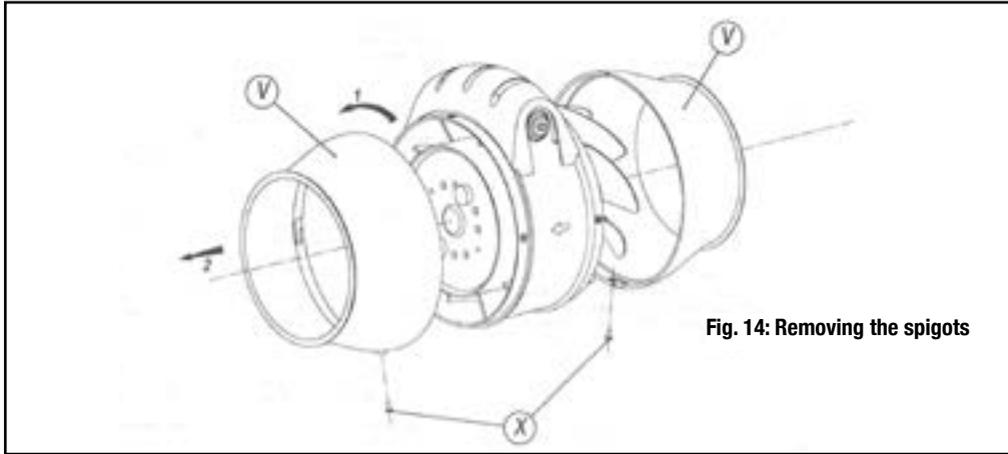


Fig. 14: Removing the spigots

The motor, fan and all the components must be regularly inspected to ensure that they are not dirty nor have suffered any damage. The frequency will depend on its operating conditions.

During the maintenance sessions remove any dirt collected on the fan blades and the internal parts of the frame to avoid any imbalance in operation which would lead to a reduction of the aerodynamic qualities and possible damage to the motor.

Never submerge the appliance in water or in any liquid.

Do not use solvents to clean the appliance

The motor bearings need no maintenance.

Please Note:

Models Fitted with Power Cord - If the Supply

cord is damaged it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

RATING/SPECIFICATIONS

For all electrical power and IP ratings refer to the fan rating and wiring label.

IMPORTANT

Switch off mains supply before making any electrical connections. If in any doubt contact a qualified electrician.

The appliance is not intended for use by young children or infirm persons without supervision.

Young children should be supervised to ensure that they do not play with the appliance.

Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.



5468

We reserve the right to change specification without prior warning



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