

# Allied Export

Please find below a selection of our fast moving products, for full product list and further information please get in touch with us on +44 (0)1925 232662 or email us at [mail@alliedexport.co.uk](mailto:mail@alliedexport.co.uk)

# Useful Information

## The Problems Caused by Poor Ventilation

### Stale Air

Stale air can be caused by cooking smells, smoking, odours remaining in the bathroom, a general lack of ventilation around the house as well as a damp atmosphere.

All these problems cause an avoidable level of discomfort as well as the risk of respiratory illness and general poor health.

### Condensation

Problems occur when steam from the kitchen or bathroom finds cooler surfaces around the house on which to condense. Attempts to conserve heat by sealing windows - and therefore reducing natural ventilation - makes this problem even worse.

Condensation can cause considerable problems from peeling wallpaper and mould growth to severe structural damage such as wood rot and damp.

## Solving the Problems

### Building Regulations

The Building Regulations Document F1 outlines the importance of ventilation and stipulates that mechanical ventilation must be installed in kitchens, bath/shower rooms and toilets.

All Manrose fans comply with or exceed current Building Regulations and our intermittent fans are capable of extracting no less than 60 litres per second from kitchens and no less than 15 litres per second from bath/shower rooms. Our continuous running fans have a minimum high rate of 13l/s. This means that humidity is removed at source before it can reach the cooler part of the dwelling and cause damage.

Specific requirements of The Building Regulations Document F1 on ventilation are as follows:

- Bathrooms/Shower Rooms:**  
The Regulations require an intermittent fan capable of minimum extract capacity of 15 litres per second/54m<sup>3</sup>/hr, or a continuous running fan capable of a minimum high rate of 8 litres per second/46m<sup>3</sup>/hr when installed.
- Toilets (Separate From a Bathroom):**  
The Regulations require a fan capable of a minimum extract capacity of 6 litres per second/21m<sup>3</sup>/hr, or a continuous running fan capable of a minimum high rate of 6 litres per second/21m<sup>3</sup>/hr when installed. N.B. If a room does not contain an openable window the fan should be fitted with a 15 minute over-run timer.
- Kitchens:**  
The Regulations require an intermittent fan capable of extracting 30 litres per second (adjacent to the hob) or 60 litres per second elsewhere. A continuous running fan must have a minimum high rate of 13 litres per second/28m<sup>3</sup>/hr.
- Utility Rooms:**  
The Regulations require an intermittent fan capable of extracting 30 litres per second/108m<sup>3</sup>/hr when installed. A continuous running fan must have a minimum high rate of 8 litres per second/46m<sup>3</sup>/hr.

## MEV & MVHR Continuous Ventilation Rates

| Extract Ventilation Rates |   |                    |  |
|---------------------------|---|--------------------|--|
| Room                      | Intermittent Extract                        | Continuous Extract |  |
|                           | Minimum Rate                                | Minimum High Rate  | Minimum Low Rate   |
| Kitchen                   | 30 l/s adjacent to hob; or 60 l/s elsewhere | 13 l/s             | Total extract rate should be at least the whole dwelling ventilation rate given in the table below |
| Utility                   | 30 l/s                                      | 8 l/s              |  |
| Bathroom                  | 15 l/s                                      | 8 l/s              |  |
| Sanitary Accommodation    | 6 l/s                                       | 6 l/s              |  |

| Whole Dwelling Ventilation Rates |                                |    |    |    |    |
|----------------------------------|--------------------------------|----|----|----|----|
|                                  | Number of bedrooms in dwelling |    |    |    |    |
|                                  | 1                              | 2  | 3  | 4  | 5  |
| Whole dwelling ventilation rate  | 13                             | 17 | 21 | 25 | 29 |

Note.

The minimum ventilation rate should be not less than 0.3 l/s per m<sup>2</sup> of internal floor area.

## Siting the Fan Correctly

A fan should always be sited in the furthest window or wall from the main source of air replacement to avoid short-circuiting the airflow. It should be located as high as possible in the window or wall nearest to smells or steam, but not directly above eye-level grills or cooker hoods.

If the room contains a fuel burning device (such as a gas boiler) with a non-balanced flue, it is essential that there is enough replacement air to prevent fumes being drawn down the flue when the fan is extracting to its utmost capacity.

IEE Regulations (U.K.) require that a conventional mains voltage fan in a bathroom or shower must be located where it cannot be touched by a person using the bath or shower and well away from any water spray.

Alternatively, the Manrose range of 12 volt S.E.L.V. (Safety Extra Low Voltage) or IPX5 fans are specifically designed for the safe ventilation of toilets, bathrooms and shower rooms and can be fitted within the splash area with absolutely no risk of electric shock.

## Choosing the Right Manrose Fan

### Remember

- Axial Fans are designed to move air over short distances i.e. window fixing or through wall mounting. Available in 100mm, 125mm, 150mm, 225mm and 300mm sizes (4", 5", 6", 9" and 12").
- Centrifugal Fans are designed to move air over longer distances and will perform well against the pressure caused by long lengths of ducting and resistance by grilles. N.B. When ducting vertically it is recommended that a condensation trap is used.
- Humidistat Controls: Manrose have a complete range of integral humidistat controls on their fans, they are also available with a pull cord override switch. A remote mounted model is also available (1361). All are designed to switch on the fan as the humidity rises in the bathroom and off as it falls. It will continue to monitor the humidity 24 hours per day, thus preventing mould growth on ceilings and walls and drastically reducing condensation problems.

To calculate the correct fan required for a particular room you need to know the room volume in cubic metres i.e. length x breadth x height and then multiply by the number of air changes required.

|                                       | Example 1                       | Example 2                        |
|---------------------------------------|---------------------------------|----------------------------------|
| <b>Room</b>                           | <b>Bathroom</b>                 | <b>Kitchen</b>                   |
| <b>Volume</b>                         | 2.0 x 2.0 x 2.0 8m <sup>3</sup> | 2.8 x 2.8 x 2.8 22m <sup>3</sup> |
| <b>Number of Air Changes Required</b> | 6                               | 10                               |
| <b>Performance</b>                    | 8 x 6 48m <sup>3</sup> /h       | 22 x 10 220m <sup>3</sup> /h     |
| <b>Fan Required</b>                   | XF100T 85m <sup>3</sup> /h      | WF150A 220m <sup>3</sup> /h      |

### Minimum Air Changes Required Per Hour

|                                  |    |                         |    |
|----------------------------------|----|-------------------------|----|
| Cafés.....                       | 10 | Meeting Rooms.....      | 4  |
| Canteens.....                    | 8  | Offices.....            | 6  |
| Cellars.....                     | 3  | Restaurants & Bars..... | 6  |
| Changing Rooms with Showers..... | 15 | School Rooms.....       | 2  |
| Conference Rooms.....            | 8  | Shops.....              | 8  |
| Garages.....                     | 6  | Sports Facilities.....  | 6  |
| Hairdressing Salons.....         | 10 | Store Room.....         | 3  |
| Halls & Landings.....            | 3  | Toilets - Public.....   | 10 |
| Hospital Rooms.....              | 4  | Utility Rooms.....      | 15 |
| Kitchen - Domestic.....          | 10 | Workshops.....          | 6  |
| Laundries & Launderettes.....    | 10 |                         |    |

Stale air is also removed by installing the appropriate Manrose fan. In certain circumstances, such as toilets, a timer is incorporated to provide an automatic run-on period of 15 minutes as stipulated in The Building Regulations.

### ERP (Energy Related Products Directive)

As a part of the EU's commitment to achieving a 20 per cent energy saving by 2020, from January 2018, all local space heaters manufactured for sale in the EU must comply with a minimum efficiency standard under Lot 20 of the Energy Efficiency Directive. Local space heaters can meet these new regulations by using a number of different integrated control methods.

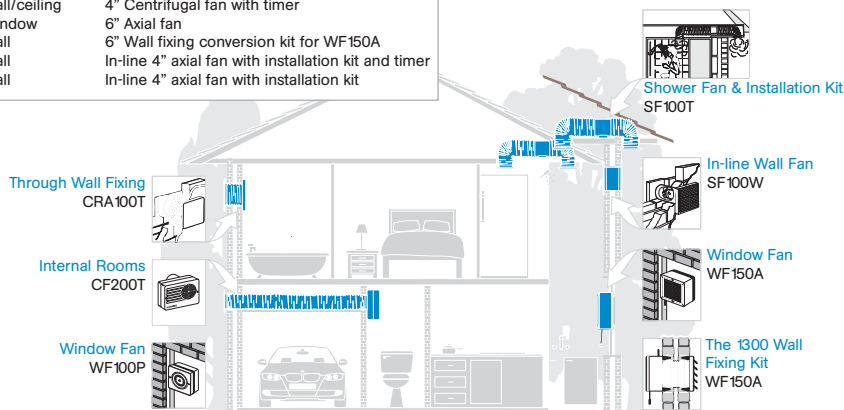
From January 2016, with updates from January 2018 new residential and non-residential ventilation units are subject to the requirements of the Ecodesign Directive. Residential products with power consumption greater than 30 Watts require an energy label and all products must meet certain performance criteria. Full details are available on our website at: [www.manrose.com/erp](http://www.manrose.com/erp)

### Manrose Fans Around The Home

#### Fan Selector Guide

All fans comply with the relevant Building Regulations on Ventilation F1

| Room      | Model   | Location     | Detail   |
|-----------|---------|--------------|--|
| Bathroom  | CRA100T | Wall/ceiling | Continuous running axial fan with timer              |
| Internal  | CF200T  | Wall/ceiling | 4" Centrifugal fan with timer                        |
| Kitchen   | WF150A  | Window       | 6" Axial fan   |
|           | 1300    | Wall         | 6" Wall fixing conversion kit for WF150A             |
| Shower Rm | SF100T  | Wall         | In-line 4" axial fan with installation kit and timer |
|           | SF100W  | Wall         | In-line 4" axial fan with installation kit           |



\*the room suggestions are intended as a guide only to the most common locations for fans in the range

### Types of model

- Standard. For remote switching through wall light or separate switch.
- Timer model with built-in adjustable time delay operated by the light switch.
- Pullcord model with built-in pullcord switch.
- Humidity controlled models with built-in adjustable sensor which operates the fan automatically.
- P.I.R. model sensitive to movement. Switches on when room is entered and off when room is vacated.

**MANROSE MANUFACTURING LIMITED, UNIT 23, SUTTONS PARK AVENUE, EARLEY, READING. RG6 1AZ**

Manrose is the UK's fastest growing manufacturer of domestic ventilation fans and equipment. As such, we have made a major impact on the ventilation industry. Our fans and equipment are of such high quality that we unhesitatingly offer a 3 year 'no quibble' guarantee. ISO9001:2008 Accredited.

Every care has been taken in the preparation of this catalogue and whilst all steps have been made to ensure that the information is accurate, we cannot be held responsible for any inaccuracy connected to the use of this information or in respect of any matters arising therefrom.

A copy of our terms and conditions of company sales is available upon request.

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PRODUCTS ARE AVAILABLE UNTIL  
FURTHER NOTICE



# 100mm (4") Fan Range

## Domestic Range

XF100/WF100



- Designed for wall, ceiling or window mounting, this comprehensive range offers a wide selection of models for use in bathrooms and toilets.
- Quiet and efficient, the 100mm (4") series has an impressive extract rate of 85m<sup>3</sup>/hr, 23 litres per second, and is available in the eleven options detailed opposite.
- The units are all manufactured using high gloss ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance- free life.
- Designed to comply with the Building Regulations on Ventilation (F1).

## Technical Details

### Cat. No. Product type

#### 100mm (4") Wall/Ceiling Fans

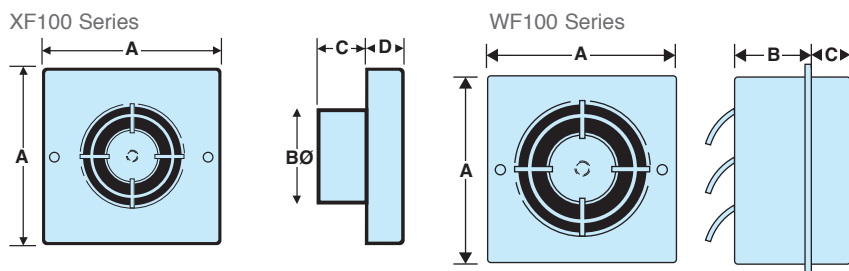
|                 |   |
|-----------------|---|
| <b>XF100S</b>   | Standard model for remote switching   |
| <b>XF100P</b>   | As above supplied with pullcord switch  |
| <b>XF100T</b>   | Timer model incorporating integral adjustable electronic timer (1-20 mins)  |
| <b>XF100TSS</b> | As above with shallow spigot  |
| <b>XF100TP</b>  | As above but with pullcord override switch. Requires no switched live   |
| <b>XF100H</b>   | Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins)  |
| <b>XF100HP</b>  | As above but with pullcord override switch. Requires no switched live   |
| <b>XF100PIR</b> | PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live |

#### 100mm (4") Window Fans

|                 |   |
|-----------------|---|
| <b>WF100P</b>   | Pullcord model  |
| <b>WF100S</b>   | Standard model  |
| <b>WF100T</b>   | Timer model incorporating integral adjustable timer (adjustable 1-20 mins) Complete with pullcord switch  |
| <b>WF100H</b>   | Humidity control which is adjustable between 40% RH and 95% Complete with integral adjustable timer (1-20 mins)   |
| <b>WF100PIR</b> | PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live |

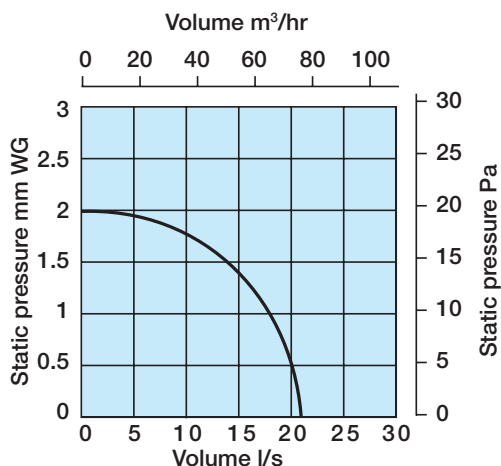
### Dimensions (mm)

| PRODUCT  | A   | B   | C  | D  |
|----------|-----|-----|----|----|
| XF100    | 163 | 98Ø | 45 | 30 |
| WF100    | 163 | 60  | 30 |    |
| XF100TSS | 163 | 98  | 10 |    |



### Performance Graph

XF/WF100 Series 85m³/hr, 23 l/s



### Packaging

XF100 Series in outers of 10 measuring 370mm x 200mm x 560mm - weight 7kgs

WF100 Series in outers of 10 measuring 360mm x 210mm x 570mm - weight 9kgs

### Installation

XF100 Series designed for wall mounting (pullcord version wall mounting only) through 100mm (4") diameter flexible or rigid pipes or Manrose low profile, flat channel ducting systems.

WF100 Series designed for window mounting through a standard 115 - 155mm Ø hole.

### Electrical

220-240V - AC. 50Hz  Single phase consuming 15 Watts. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan must not be accessible to a person using either the shower or bath and mounted a minimum of 1.8 metres from the floor.

### Additional Data

#### 100mm (4") Range

Maximum pressure: 20 p.a.

Fan speed: 2400 r.p.m.

Sound volume: 41.0 dB(A)

Maximum operating temperature: 40°C.

# 150mm (6") Fan Range

## Domestic Range

XF150B / WF150B



- Designed for wall, ceiling or window mounting, the efficient and easy to install range of 150mm (6") extractor fans are available in twelve options, and are an alternative style and design to the traditional 6" kitchen style.
- The fans are suited to larger bathrooms, utility rooms, shops, offices, restaurants, etc. Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- The extract rate for the 150B Series is 230m<sup>3</sup>/hr, 64 litres per second.
- Incorporating the latest technology and design, Manrose can now offer a complete family of 100mm (4"), 120mm (5") and 150mm (6") fans, all with the same styling.
- The units are all manufactured using high gloss ABS thermoplastics for strength, durability, aesthetics and easy cleaning.
- Designed to comply with the Building Regulations on Ventilation (F1).

## Technical Details

### Cat. No. Product type

|                  |   |
|------------------|---|
| <b>XF150BS</b>   | Standard model for remote switching   |
| <b>XF150BP</b>   | As above supplied with pullcord switch  |
| <b>XF150BT</b>   | Timer model incorporating integral adjustable electronic timer (1-20 mins)  |
| <b>XF150BTP</b>  | As above but with pullcord override switch. Requires no switched live   |
| <b>XF150BH</b>   | Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins).   |
| <b>XF150BHP</b>  | As above but with pullcord override switch. Requires no switched live   |
| <b>XF150BPIR</b> | PIR activated model with adjustable timer with presence detection, timer runs on when the room is vacated.  |
| <b>WF150BP</b>   | Pullcord switch   |
| <b>WF150BT</b>   | Electronic timer with pullcord override switch and neon light   |
| <b>WF150BH</b>   | Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins).   |
| <b>WF150BPIR</b> | PIR activated model with timer and presence detection, timer runs on when the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live |

### Packaging

XF150B Series in outers of 10 measuring 595mm x 245mm x 450mm - weight 11kgs


WF150B Series in outers of 10 measuring 460mm x 640mm x 240mm - weight 17kgs

### Installation

XF150B Series designed for wall or ceiling mounting (pullcord wall-mounting only). Wall fixing kit is available separately The SVK (1280).

WF150B Series. These fans are designed to be fitted in either a window or wall through a standard 170-184mm (63/4" - 71/4") hole. A wall fixing kit FK1 (1300) is available which comprises of wall plugs, screws and a 400mm length of 6" diameter aluminium flexible ducting (when fully extended).

### Electrical

220-240V - AC. 50Hz . Single phase consuming 25 Watts. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should not be accessible to a person using either the shower or the bath and mounted a minimum of 1.8 metres from the floor.

### Additional Data

#### 150mm (6") Range

Maximum pressure: 50 p.a.

Fan speed: 2400 r.p.m.

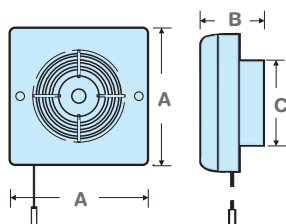
Sound volume: 40.0 dB(A)

Maximum operating temperature: 40°C

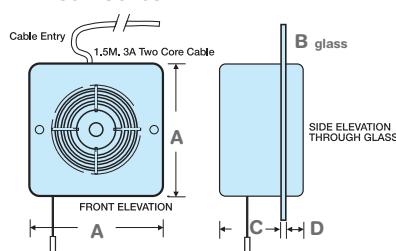
### Dimensions (mm)

| PRODUCT | A   | B    | C    | D  |
|---------|-----|------|------|----|
| XF150B  | 203 | 95   | 150∅ |    |
| WF150B  | 203 | 4-10 | 95   | 23 |

#### XF150B Series

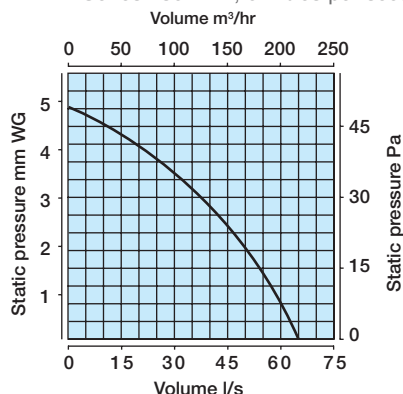


#### WF150B Series



### Performance Graph

XF/WF Series 230m<sup>3</sup>/hr, 64 litres per second



# 12 Volt SELV Fan Range

Safety Extra Low Voltage Bathroom/Shower Extractor Fans

## Domestic Range

LOW VOLTAGE RANGE 100/120/150MM



- Designed for wall, ceiling or window mounting, the 12 Volt SELV fans are available in three diameters - 100mm (4"), 120mm (5") and 150mm (6") and in seven options.
- Suitable for mounting within the splash area of a shower or bath (where current regulations prevent the use of conventional fans), the 12 Volt fan is a standard model manufactured with a 12V - 50Hz shaded pole motor. The transformer and switching mechanism is mounted remotely either in the roof space or high on the ceiling next to the pullcord switch. Pullcord, humidistat, PIR and versions have to be mounted inside the room where the fan is installed and out of the reach of the person using the bath or shower.
- A Centrifugal 12 Volt fan is available, fitted with a backward curved centrifugal impeller for large airflow against the high pressures caused by longer lengths of ducting and resistance by grilles.
- The extract rate of the 100mm (4") model is 85m<sup>3</sup>/hr 23 litres per second, the 120mm (5") 130m<sup>3</sup>/hr 36 litres per second and the 150mm 230m<sup>3</sup>/hr 64 litres per second.
- The CF200LV centrifugal fan has an extract rate of 110m<sup>3</sup>/hr 31 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- Designed to exceed the Building Regulations on Ventilation (F1).



# Technical Details

## Cat. No.

XF100LV/XF100ALV/  
XF100AHLV  
XF100LV/ XF100HTLVT

## Product type

Wall or ceiling model/Automatic wall or ceiling model  
Low voltage wall/ceiling mounted fan, timer delay and/ or humidity - transformer included

WF100LV/WF100ALV  
XF100HPLV

Window model/Automatic window model  
Low Voltage wall/ceiling mounted fan, with humidity and pull cord. Requires a T12S transformer.

XF100HLV

Low Voltage wall / ceiling mounted fan with humidity. Requires T12S transformer.

XF120LV/XF120ALV  
WF120LV/WF120ALV  
XF150BLV/XF150ALV\*  
WF150BLV/WF150ALV\*  
CF200LV

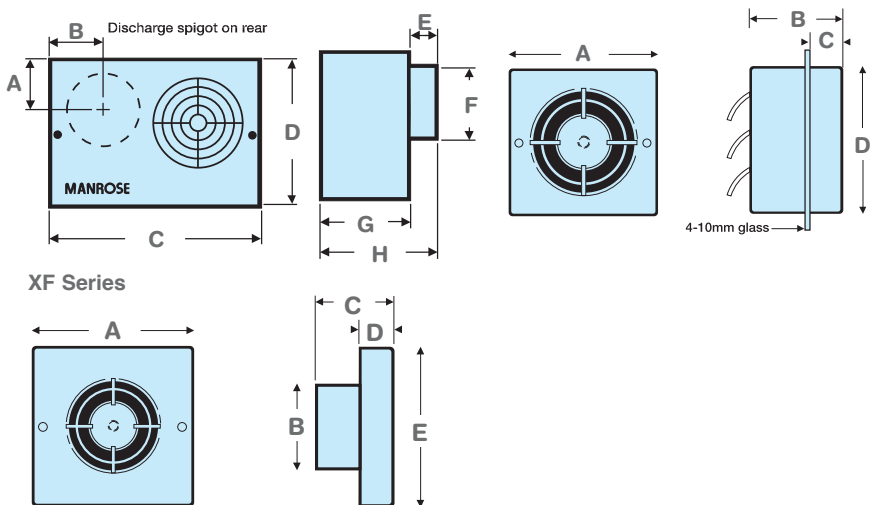
Wall or ceiling model/Automatic wall or ceiling model  
Window model/Automatic window model  
Wall or ceiling model/Automatic wall or ceiling model  
Window model/Automatic window model\*  
Wall or ceiling model\*  
\*Use LT12 Transformer

## Dimensions (mm)

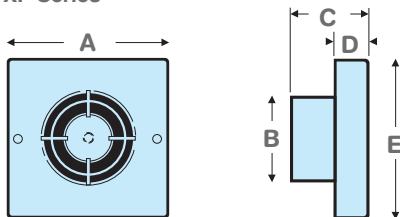
| PRODUCT    | A   | B    | C   | D   | E   | F   | G  | H   |
|------------|-----|------|-----|-----|-----|-----|----|-----|
| XF100LV    | 163 | 98Ø  | 75  | 30  | 163 |     |    |     |
| XF100HPLV  | 163 | 98Ø  | 75  | 30  | 163 |     |    |     |
| XF100HLV   | 163 | 98Ø  | 75  | 30  | 163 |     |    |     |
| XF100HTLVT | 163 | 98Ø  | 75  | 30  | 163 |     |    |     |
| WF100LV    | 163 | 90   | 30  | 163 |     |     |    |     |
| XF120LV    | 182 | 118Ø | 78  | 32  | 182 |     |    |     |
| WF120LV    | 182 | 92   | 32  | 182 |     |     |    |     |
| XF150BLV   | 203 | 150Ø | 95  | -   | 203 |     |    |     |
| XF150ALV   | 203 | 150Ø | 95  | -   | 203 |     |    |     |
| WF150BLV   | 203 | 118  | 95  | 203 |     |     |    |     |
| WF150ALV   | 203 | 118  | 95  | 203 |     |     |    |     |
| CF200LV    | 65  | 65   | 260 | 185 | 45  | 100 | 90 | 135 |

### CF Series

### WF Series

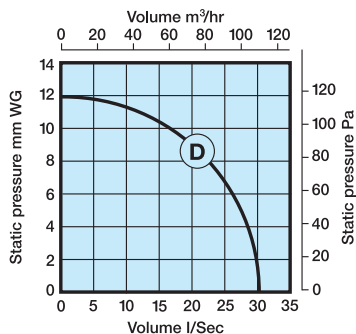
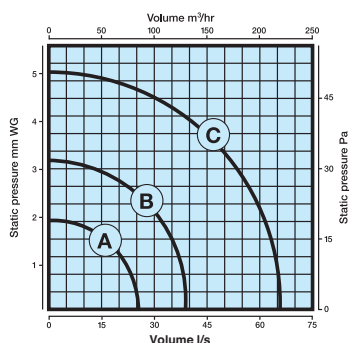


### XF Series



## Performance Graphs

- (A) XF/WF100LV 85m<sup>3</sup>/hr, 23 litres per second
- (B) XF/WF120LV 130m<sup>3</sup>/hr, 36 litres per second
- (C) XF/WF150BLV 230m<sup>3</sup>/hr, 64 litres per second
- (D) CF200LV 110m<sup>3</sup>/hr, 31 litres per second



# CFD200/220 In-line Centrifugal Fan Range

## Domestic Range

CFD200/220 SCF200 & SLCFD

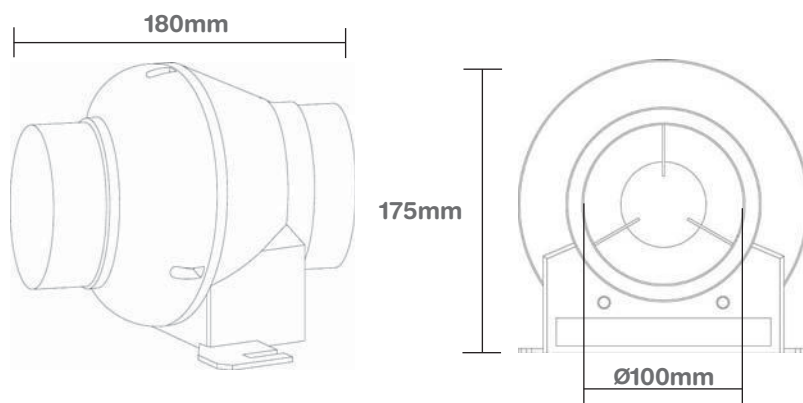


- Providing solutions for a wide range of domestic and commercial applications, the CFD200/220 in-line fan has been designed for use with suspended ceilings. A spring operated, non-return flap is built into the discharge spigot to prevent back draughts.
- Powerful, yet quiet and unobtrusive, the CFD200/220 units have extract rates of 110m<sup>3</sup>/hr 31 litres per second.
- The CFD series is suitable for a wide range of applications including bathrooms, toilets, shower rooms and utility rooms.
- The CFD series is fitted with backward curved centrifugal impellers for a large airflow against the high pressures caused by longer lengths of ducting and resistance by grilles.
- The CFD200/220 units are manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Available with an integral mounting bracket. Designed to comply with the Building Regulations on Ventilation (F1).
- The CFD200/220 range is powered by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- The Shower Kit comprises of the CFD200 centrifugal in-line fan unit, 6 metres of PVC ducting and wall grilles.
- The Showerlite Kit comprises of the CFD200 centrifugal in-line fan unit, 6 metres of PVC ducting and wall grilles together with a chrome Showerlite fitting and transformer.
- The CFD220 has all the features of the CFD200 unit, but has the additional benefit of a 120mm outlet, thus making it suitable for 125mm (5") ducting systems.
- The SCF200 Series In-line Centrifugal Timer Kit now comes with a 3W LED lamp and uses 90% less power than a standard dichroic lamp.

## Technical Details

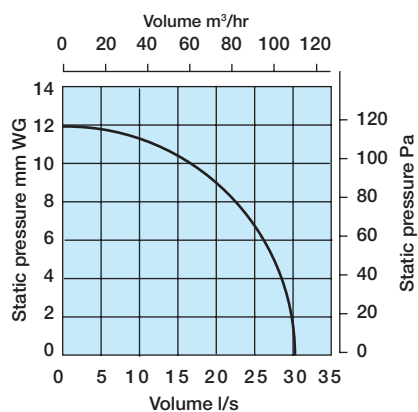
| Cat. No.     | Product type  |
|--------------|---|
| CFD200       | Standard model without bracket  |
| CFD220       | Standard model without bracket  |
| CFD200S      | Standard model with bracket   |
| CFD220S      | Standard model with bracket   |
| CFD200T      | Timer model with bracket  |
| CFD220T      | Timer model with bracket  |
| SCF200S      | Standard model in-line fan kit (100mmØ)   |
| SCF200T      | Timer model in-line fan kit (100mmØ)  |
| SLCFDSC      | Standard model in-line Showerlite fan kit (100mmØ) Chrome   |
| SLCFDTC      | Timer model in-line Showerlite fan kit (100mmØ) Chrome  |
| LEDSCFDTCN   | Timer model in-line fan kit (100mmØ) with a 3W Warm LED lamp and uses 90% less power than a standard dichroic lamp. |
| IWLEDSCFDTCN | As above with a 3W Cool LED lamp  |

### Dimensions



### Performance Graph

CFD200 Range 110m<sup>3</sup>/hr, 31 litres per second



### Packaging

CFD200/220 Series in outers of 5 measuring 200mm x 300mm x 240mm - weight 8kgs SCF200 Series in outers of 5. For packaging dimensions, please contact our technical department.

### Electrical

220-240V - AC. 50Hz . Single phase consuming 20W on the CFD200/220 and SCF200.

All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted.

### Additional Data

CFD200/220 SCF200  
 Maximum pressure 120p.a.  
 Fan speed: 1400 r.p.m.  
 Sound volume: 45.0dB(A)  
 Maximum operating temperature: 40°C

# Centrifugal Fan Range

## Domestic Range

CF100/CF200



- The CF100 and CF200 centrifugal fans use the latest technology to provide extremely powerful, yet very quiet and vibration free ventilation. The CF100/200 ranges are designed for bathrooms, toilets, cloakrooms and utility rooms.
- Designed to move air over long distances, these units will give maximum performance even against pressures caused by long lengths of ducting and resistance by grilles.
- All models are fitted with a built-in spring operated non-return flap into the discharge spigot to stop backdraughts.
- There are seven models in each series. The CF100 has an extract rate of 90m<sup>3</sup>/hr 25 litres per second, the CF200 range have an extract rate of 110m<sup>3</sup>/hr 31 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power to the CF100/200 range is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- Designed to comply with the Building Regulations on Ventilation (F1).

# Technical Details

## Cat. No. Product type

CF100S Standard model for remote switching  
CF200S

CF100P As above supplied with pullcord switch  
CF200P

CF100T Timer model incorporating integral adjustable electronic timer (1-20 mins)  
CF200T

CF200TP As above with pullcord override switch. Requires no switched live

CF100H Humidity control which is adjustable between 40 and 95%RH  
CF200H Complete with adjustable integral timer (1-20 mins)

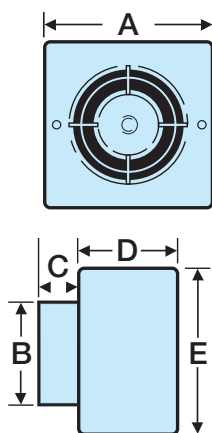
CF200HP Electronic humidity control with pullcord override switch  
Requires no switched live

CF100PIR PIR activated model with adjustable timer for presence detection  
CF200PIR that will run on when room is vacated (1-20 mins). Requires no switched live

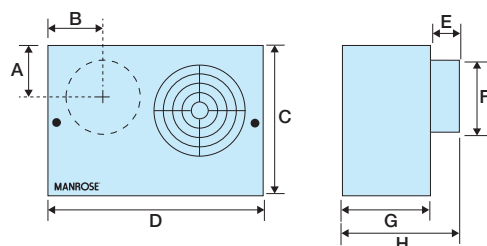
## Dimensions (mm)

| PRODUCT | A   | B   | C   | D   | E   | F   | G  | H   |
|---------|-----|-----|-----|-----|-----|-----|----|-----|
| CF100   | 163 | 98Ø | 65  | 90  | 163 |     |    |     |
| CF200   | 65  | 65  | 185 | 260 | 45  | 98Ø | 90 | 135 |

### CF100 Series

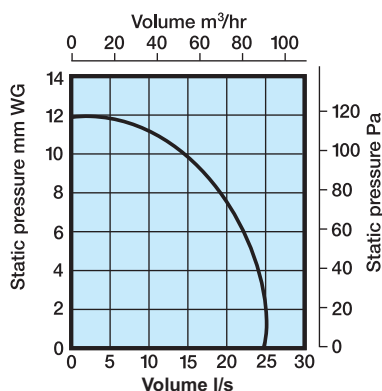


### CF200 Series

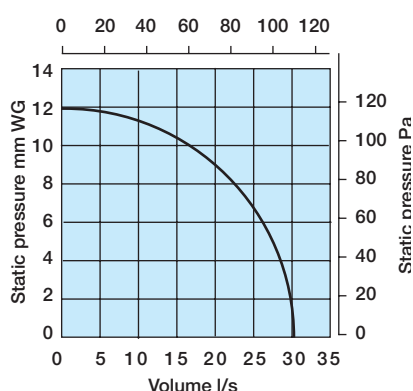


## Performance Graph

**CF100**  
90m<sup>3</sup>/hr, 25 litres per second



**CF200**  
110m<sup>3</sup>/hr, 31 litres per second



## Packaging

CF100 Series in outers of 10 measuring 340mm x 175mm x 835mm - weight 11kgs

CF200 Series in outers of 10 measuring 753mm x 283mm x 390mm - weight 12kgs

## Installation

Designed to be mounted on walls or ceilings and discharged through a 100mm (4") standard rigid or flexible duct, and are also suitable for use with flat duct channel systems. Comprehensive wiring and installation instructions are included with each fan.

## Electrical

220-240V - AC. 50Hz single phase consuming 19W on the CF100 range and 17W on the CF200 range. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted to a minimum of 1.8 metres from the floor.

## Additional Data

**CF100**  
Maximum pressure: 80 p.a.  
Fan speed: 1600 r.p.m.  
Sound volume: 42.0 dB(A)

**CF200**  
Maximum pressure: 120 p.a.  
Fan speed: 1400 r.p.m.  
Sound volume: 45.0 dB(A)

# 150mm (6") Wall and Window Fan Range Domestic Range

XF150/WF150



- Designed to work effectively in kitchens, the 150mm (6") axial flow kitchen fans are quiet, efficient and can be wall, ceiling or window mounted.
- Incorporating the latest technology, the 150 series has been designed for simple installation and has a powerful extract rate of 230m<sup>3</sup>/hr 64 litres per second for the XF version and 220m<sup>3</sup>/hr 62 litres per second on the WF150.
- The range is ideally suited to use in domestic and commercial applications including kitchens, utility rooms, restaurants, hotels, offices and shops. The WF150 range is suitable for window mounting.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- Designed to comply with the Building Regulations on Ventilation (F1).



## Technical Details

### Cat. No.

### Product type

#### WALL/CEILING FANS - Base model with fixed internal grille

|                |  |
|----------------|--|
| <b>XF150</b>   | Standard model for remote switching  |
| <b>XF150P</b>  | As above with pullcord switch  |
| <b>XF150T</b>  | Timer model incorporating integral adjustable electronic timer (1-20 mins)                                       |
| <b>XF150H</b>  | Humidity control which is adjustable between 40 and 95%RH<br>Complete with integral adjustable timer (1-20 mins) |
| <b>XF150HP</b> | Electronic humidity control with pullcord override switch. Requires no switched live                             |

#### WALL/CEILING FANS - Automatic model with internal shutters

|                 |  |
|-----------------|--|
| <b>XF150A</b>   | Standard model for remote switching  |
| <b>XF150AP</b>  | As above supplied with pullcord switch   |
| <b>XF150AT</b>  | Timer model incorporating integral adjustable electronic timer (1-20 mins)                                     |
| <b>XF150AH</b>  | Humidity control which is adjustable between 40 and 95%RH. Complete with integral adjustable timer (1-20 mins) |
| <b>XF150AHP</b> | Electronic humidity control with pullcord override switch. Requires no switched live                           |

#### WINDOW FANS - Basic model with fixed grilles

|               |   |
|---------------|---|
| <b>WF150</b>  | Standard model                          |
| <b>WF150P</b> | Pullcord model                          |
| <b>WF150T</b> | Timer model complete with pullcord      |
| <b>WF150H</b> | Humidity control complete with pullcord |

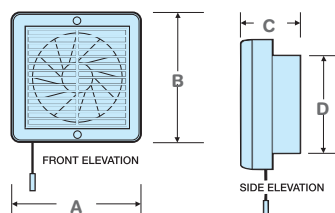
#### Automatic model with internal shutters

|                |   |
|----------------|---|
| <b>WF150A</b>  | Standard model                          |
| <b>WF150AP</b> | Pullcord model                          |
| <b>WF150AT</b> | Timer model complete with pullcord      |
| <b>WF150AH</b> | Humidity control complete with pullcord |

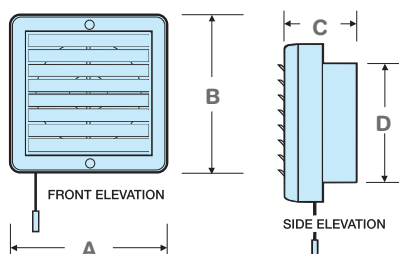
### Dimensions (mm)

| PRODUCT | A   | B   | C  | D    |
|---------|-----|-----|----|------|
| XF150   | 203 | 203 | 95 | 150Ø |
| XF150A  | 203 | 203 | 95 | 150Ø |
| WF150   | 203 | 203 | 95 | 23   |

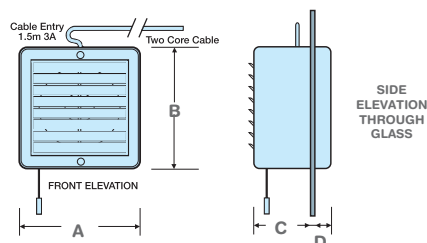
#### XF150 Series



#### XF150A Series



#### WF150 Series



### Packaging

XF150 In outers of 10 measuring  
595mm x 245mm x 450mm - weight 11kgs

WF150 In outers of 10 measuring  
460mm x 640mm x 240mm - weight 17kgs

### Installation

The XF150/150A series of 150mm (6") extractor fans can be wall or ceiling mounted (not pullcord models), and there are two models available in this range. The XF150 model has a fixed louvre internal grille, whilst the automatic model the XF150A, has thermo-activated internal shutters which open 45 seconds after the fan has been switched on (except the manual pullcord operated model XF150AP).

WF150/WF150A this series has been designed for window or wall fixing through a standard 170-184mm (51/2"-71/4") hole. Note: for wall fixing, please use the FK1 wall vent kit Cat No. 1300. There are two variations in the range, the base model with fixed louvres for additional trickle flow ventilation and the automatic model incorporates thermo-activated internal shutters (except the pullcord operated model WF150AP).

### Electrical

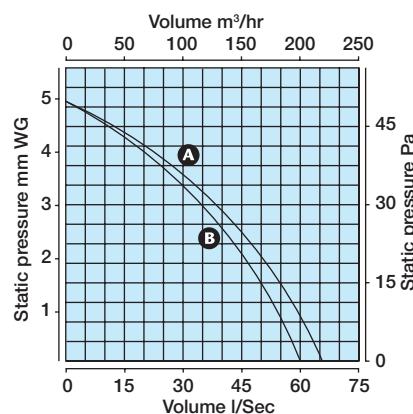
220-240V - AC. 50Hz Single phase consuming 20W on the 150 series and 25W on the 150A automatic models. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted a minimum of 1.8m from the floor.

### Additional Data

Maximum pressure: 50 p.a.  
Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C

### Performance Graphs

(A) XF150 Series 230m<sup>3</sup>/hr, 64 litres per second  
(B) WF150 Series 220m<sup>3</sup>/hr, 62 litres per second



# 230mm (9") and 300mm (12") Window Fan Range Commercial Range

WF230/WF300



- Suitable for a variety of domestic and commercial applications, the WF230 range has been designed for window or wall mounting. Incorporating the latest ventilation technology and stylish design, these high performance extractor fans have an extract rate of 668m<sup>3</sup>/hr, 185 litres per second.
- There are three models in the range starting with the basic unit (WF230) which has fixed louvres, can be supplied with an optional pullcord switch and provides a natural source of trickle flow ventilation when the fan is switched off.
- Manual models (WF230M) have pullcord operated internal backdraught shutters that also start the fan.
- The WF230 automatic series have thermo activated shutters which open silently 45 seconds after the fan has been switched on.
- Completing the Manrose family the WF300 range of 300mm (12") fans give a powerful extract rate of 1100m<sup>3</sup>/hr, 306 litres per second.
- The WF300 is designed for window mounting and can also be wall mounted using our wall mounting fixing kit.
- The WF300 has three models in its range. The basic model with fixed louvres, the manual model with internal pullcord operated backdraught shutters and the automatic model with thermo-activated internal shutters which open silently and automatically when the fan is switched on.
- These high performance extractor fans are easy to install and are attractively styled in high gloss ABS thermoplastics for durability, ease of cleaning and maintenance and cover a wide variety of domestic and commercial applications including kitchens, utility rooms, pubs, restaurants, offices, shops and factories.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a four pole single phase induction motor with pre-oiled bearings, totally enclosed for protection against dust and dirt, for a long, maintenance-free life.
- There is an extensive range of ventilation accessories including speed controllers and roof-termination kits, available separately.
- Building Regulations on Ventilation (F1).



## Technical Details

### Cat. No. Product type

Manual model with external gravity shutters

|                |  |
|----------------|--|
| <b>WF230</b>   | Basic model has fixed louvres. This unit will also provide a natural source of trickle flow ventilation when the fan is switched off                                 |
| <b>WF230P</b>  | As above with pullcord switch  |
| <b>WF230MP</b> | The manual models have pullcord operated internal backdraught shutters, which also start the fan motor unit  |
| <b>WF230A</b>  | The automatic versions have thermo-activated shutters which open silently approximately 45 second after the fan has been switched on. Basic model has fixed louvres. |
| <b>WF300</b>   | This unit will also provide a natural source of trickle flow ventilation when the fan is switched off  |
| <b>WF300P</b>  | As above with pullcord switch  |
| <b>WF300MP</b> | The manual models have pullcord operated internal backdraught shutters, which also start the fan motor unit  |
| <b>WF300A</b>  | The automatic versions have thermo-activated shutters which open silently approximately 45 second after the fan has been switched on                                 |

The WF300 series 5 pin connector plug also ensures simple electrical connection without additional wiring.

### ACCESSORIES

**COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans

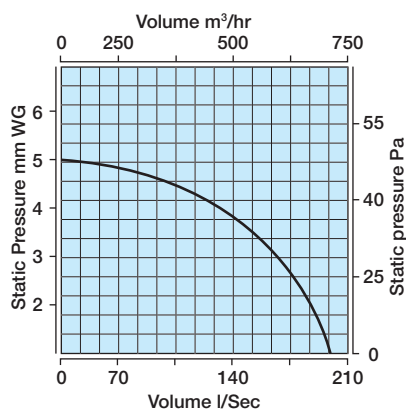
### Dimensions (mm)

| PRODUCT | A   | B    | C   | D  |
|---------|-----|------|-----|----|
| WF230   | 286 | 4-32 | 112 | 25 |
| WF300   | 362 | 4-32 | 133 | 29 |

### Performance Graph

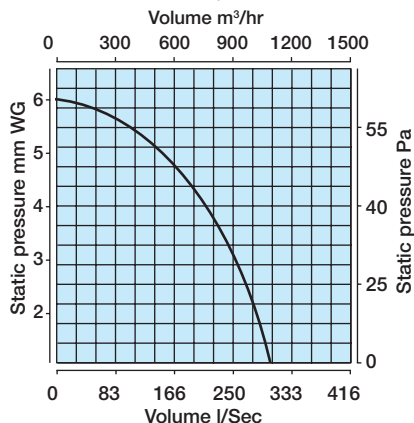
#### WF230 Series

668m<sup>3</sup>/hr 185 litres per second



#### WF300 Series

1100m<sup>3</sup>/hr, 306 litres per second



### Packaging

WF230 Series in outers of 1 measuring 301mm x 156mm x 345mm - weight 3.5kgs

WF230 Series in outers of 5 measuring 780mm x 301mm x 345mm - weight 17.5kgs

WF300 Series in outers of 1 measuring 387mm x 187mm x 446mm - weight 6 kgs

WF300 Series in outers of 5 measuring 895mm x 387mm x 446mm - weight 30 kgs

### Installation

The WF230 series has been designed for window installation through a standard 260mm Ø hole. A wall fixing kit (Cat. No. 1301) is also available for through wall mounting and comprises of wall plugs, screws and a 400mm length of 9" diameter aluminium flexible ducting (when extended).

The WF300 series has been designed to be fitted in a window through a standard 320mm Ø hole. A wall fixing kit (Cat. No. 1299) is also available for through wall mounting which comprises of wall plugs, screws and a 400mm length of 12" diameter aluminium flexible ducting (when extended).

### Electrical

220-240V - AC. 50Hz . Single phase consuming 41W on the 230 series and 68W on the 300 series. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should NOT be accessible to a person using either the shower or bath and mounted a minimum of 1.8m from the floor.

### Additional Data

#### WF230

Maximum pressure: 50 p.a.  
Fan speed: 1250 r.p.m.  
Sound volume: 50.0 dB(A)  
Maximum operating temperature: 40°C

#### WF300

Maximum pressure: 60 p.a.  
Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature: 50°C

# 230mm (9") and 300mm (12") Wall/Ceiling Fan Range Commercial Range

XFS230/XFS300



- With a unique, slimline profile of only 62mm the XFS230 range will blend unobtrusively into any surrounding decor.
- Designed for wall or ceiling mounting, this series of fans and packs is ideally suited to use in kitchens, utility rooms, pubs, hotels, restaurants, offices, shops and factories.
- There are three models in the range: the basic model with fixed louvres, the manual with internal pullcord operated backdraught shutters and the automatic version with thermo-activated internal shutters which open automatically when the fan is switched on.
- Incorporating the latest ventilation technology, this series has an extract rate of 668m<sup>3</sup>/hr, 185 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a four pole single phase induction motor with pre-oiled bearings, totally enclosed for protection against dust and dirt, for a long, maintenance-free life.
- This family of fans has been completed with the addition of the XFS300 range of 300mm (12") fans, which offer a powerful extract rate of 1100m<sup>3</sup>/hr, 306 litres per second and are available in the same formats as the XFS230 series.
- Designed to comply with the Building Regulations on Ventilation (F1).

# Technical Details

|                 |  |
|-----------------|--|
| <b>Cat. No.</b> | <b>Product type</b>  |
| XFS230/300      | Basic model has fixed louvres. This unit will also provide a natural source of trickle flow ventilation when the fan is switched off |
| XFS230/300P     | As above with pullcord switch  |
| XFS230/300MP    | The manual models have pullcord operated internal backdraught shutters, which also start the fan motor unit                          |
| XFS230/300A     | The automatic versions have thermo-activated shutters which open silently approximately 45 second after the fan has been switched on |

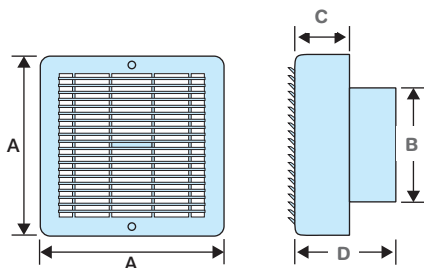
### ACCESSORIES

**COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans

For one step installation consider using 1291-9" or 1292-12" wall vent kit. To go straight through the wall.

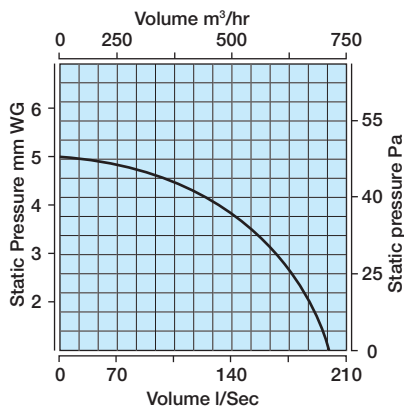
### Dimensions (mm)

| PRODUCT | A   | B   | C  | D   |
|---------|-----|-----|----|-----|
| XFS230  | 286 | 230 | 75 | 141 |
| XFS300  | 362 | 300 | 81 | 156 |

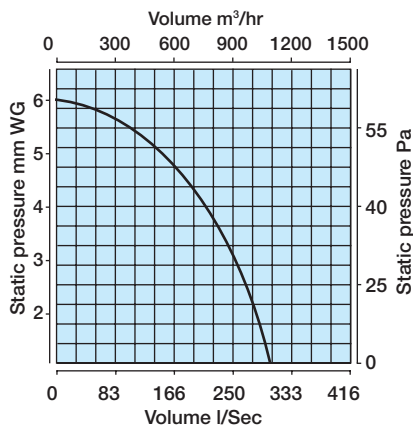


### Performance Graph

**XFS230 Series**  
668m<sup>3</sup>/hr, 185 litres per second



**XFS300 Series**  
1100m<sup>3</sup>/hr, 306 litres per second



### Packaging

XFS230 Series in outers of 5 measuring 912mm x 115mm x 650mm - weight 12kgs

### Installation

XFS230/300 series has been designed for wall or ceiling installation (pullcord wall mounting only)

### Electrical

220-240V - AC. 50Hz . Single phase consuming 41W on the 230 series and 68W on the 300 series. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted a minimum of 1.8m from the floor.

### Additional Data

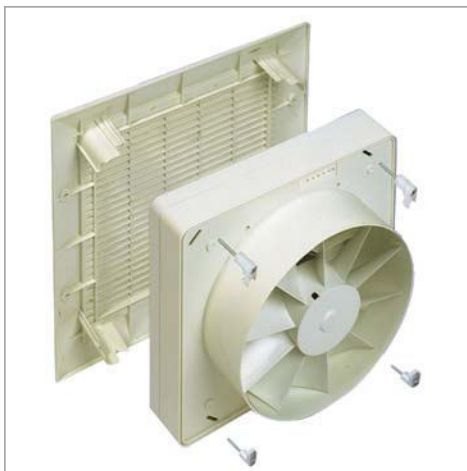
**XFS230**  
Maximum pressure: 50 p.a.  
Fan speed: 1250 r.p.m.  
Sound volume: 50.0 dB(A)  
Maximum operating temperature: 40°C

**XFS300**  
Maximum pressure: 60 p.a.  
Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature: 40°C

# Commercial Series Wall Fans

## Commercial Range

COMT/TK150/230/300



- The commercial series of built-in wall fans has been designed for flush fitting into external walls, fitting through most wall thicknesses using zinc coated metal telescopic wall liners. Installation is made simple in solid or cavity walls 155–300mm thick, or in walls up to 553mm thick using an extension sleeve.
- The extractor fan unit and internal grille are also available separately as they are designed to retro fit into most leading commercial wall fan liners, which minimises the need for making good and redecoration or removal of existing wall liners.
- The internal and external grilles are a single tough moulding. This greatly reduces vandalism and increases building security whilst only 23mm in profile. They have a 50mm flange for a smooth finish, which will blend unobtrusively into most backgrounds.
- Incorporating the latest ventilation technology and stylish design, these high performance extractor fans have an extract rate up to 278m<sup>3</sup>/hr, 77 litres per second for the 150mm unit, 668m<sup>3</sup>/hr, 185 litres per second for the 230mm units and 1100m<sup>3</sup>/hr, 306 litres per second on the larger 300mm.
- In the 230mm and 300mm models power is provided by a 4 pole single phase induction motor with pre-oiled bearings for a long, maintenance free life. The 150mm version is fitted with a shaded pole motor with ball bearings.
- Models in the range include the standard unit, which has fixed louvres that also provide a natural source of trickle flow ventilation when the fan is switched off. The automatic model with thermo-activated internal backdraught shutters open shortly after the fan has been switched on.
- There is a variable speed and airflow direction option available on the 230mm and 300mm units, using the new stylish Manrose speed controller. This can be flush mounted into a standard single gang 35mm deep metal wall box.
- Designed for heavy-duty and extensive usage, the commercial units provide excellent ventilation in public and commercial sector applications such as hospitals, schools, railway stations, restaurants, public houses, offices, hotels and factories.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning. ABS is an easily recyclable material.
- Designed to comply with the Building Regulations on Ventilation (F1).

The models shown are in white for photographic purposes only, models will be supplied in pebble grey



## Technical Details

### Cat. No. Product type

#### WALL PANEL FAN UNIT

|                 |   |
|-----------------|---|
| <b>COMT150</b>  | Standard model with fixed grille                        |
| <b>COMT150A</b> | Automatic model with internal thermo-activated shutters |
| <b>COMT230</b>  | Standard model with fixed grille                        |
| <b>COMT230A</b> | Automatic model with internal thermo-activated shutters |
| <b>COMT300</b>  | Standard model with fixed grille                        |
| <b>COMT300A</b> | Automatic model with internal thermo-activated shutters |

#### WALL FAN KIT

|                  |   |
|------------------|---|
| <b>COMTK150</b>  | Standard model with fixed grille                        |
| <b>COMTK150A</b> | Automatic model with internal thermo-activated shutters |
| <b>COMTK230</b>  | Standard model with fixed grille                        |
| <b>COMTK230A</b> | Automatic model with internal thermo-activated shutters |
| <b>COMTK300</b>  | Standard model with fixed grille                        |
| <b>COMTK300A</b> | Automatic model with internal thermo-activated shutters |

#### ACCESSORIES

**COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans

**COMTSCV** Variable Speed Controller Extract with neon light for 150mm (6") fans

**1302/3/4/5** 2.5/5/10/25m 5 Core Flexible Cable

**Comtkes150**

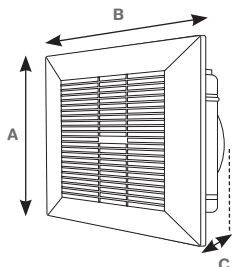
**Comtkes230** Extension sleeve for walls up to 533mm

**Comtkes300**

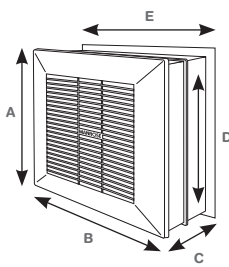
### Dimensions (mm)

| PRODUCT  | A   | B   | C       | D   | E   |
|----------|-----|-----|---------|-----|-----|
| COMT150  | 310 | 310 | 110     |     |     |
| COMT230  | 390 | 390 | 138     |     |     |
| COMT300  | 470 | 470 | 154     |     |     |
| COMTK150 | 310 | 310 | 160-290 | 275 | 288 |
| COMTK230 | 390 | 390 | 160-290 | 359 | 366 |
| COMTK300 | 470 | 470 | 160-290 | 440 | 447 |

#### COMT Series



#### COMTK Series

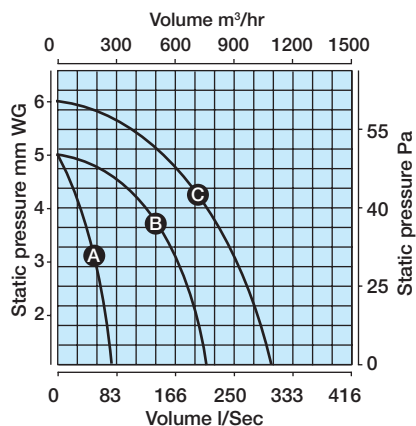


### Performance Graph

(A) COMT150 Range 278m<sup>3</sup>/hr, 77 litres per second

(B) COMT230 Range 668m<sup>3</sup>/hr, 185 litres per second

(C) COMT300 Range 1100m<sup>3</sup>/hr, 306 litres per second



### Packaging

In outers of 1. Contact our Technical Department for packaging dimensions.

### Installation

The COMT fans are designed to retro fit into most leading commercial wall fan liners which minimises the requirement for making good and redecoration, or removal of existing wall liners. Contact our Technical Department for further details.

The telescopic body of the COMTK built-in wall fan allows easy installation in solid or cavity walls from 155mm to 300mm thick. The external and internal grilles have a 50mm flange for a smooth finish.

### Additional Data

#### COMT150

Maximum pressure: 50 p.a.  
Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature 40°C

#### COMT230

Maximum pressure: 50 p.a.  
Fan speed: 1600 r.p.m.  
Sound volume: 53.0 dB(A)  
Maximum operating temperature 40°C

#### COMT300

Maximum pressure: 60 p.a.  
Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature 40°C

### Electrical

220-240V - AC. 50Hz Single phase consuming 20W on 150mm Series, 41W on the 230mm Series and 68W on the 300mm Series. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should NOT be accessible to a person using either the shower or bath and mounted a minimum of 1.8m from the floor.

# MixFlo Range

## Commercial Range

MF100/MF125/MF150/MF200



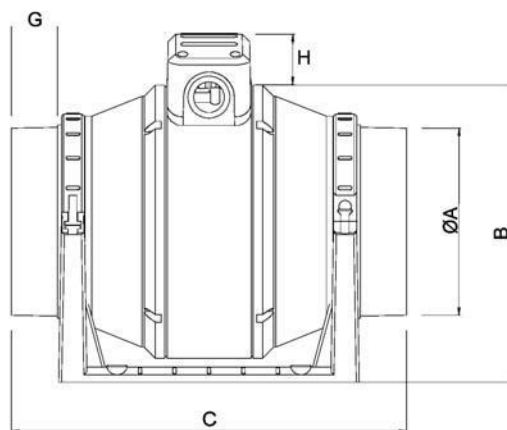
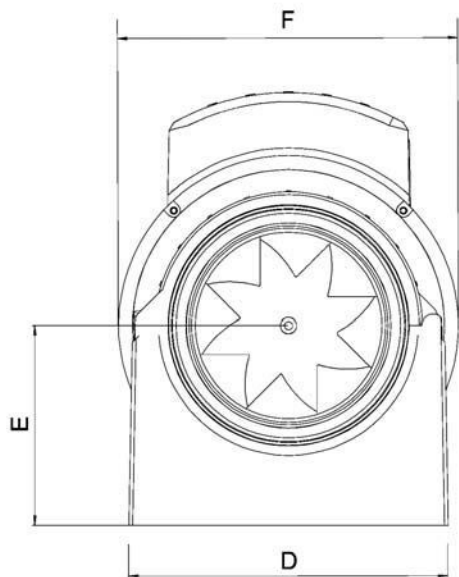
These powerful in-duct mounted mixed flow fans have been designed to produce higher working pressures for applications that require high air flows, with low relative noise.

MixFlo fans can be mounted in a variety of applications and are suitable for use with either rigid or flexible ducting.

- High quality ball bearing, long life motors, continuously rated and warranted for a minimum of 30,000 hours or 3 years
- High air flows are achieved through flexible duct
- Compact overall dimensions
- All models 3 speed settings selected via internal dip switch
- Double Insulation - no earth required
- Fully Building Code compliant
- Fully BEAB approved rated to IPX4
- Easy installation and maintenance with the fan assembly easily removed from rigid ducting installations using the specially designed construction

**Dimensions (mm)**

| PRODUCT | ØA  | B*  | C   | D   | E   | F   | G                                | H  | Spigot Int Diameter |
|---------|-----|-----|-----|-----|-----|-----|----------------------------------|----|---------------------|
| MF100   | 102 | 195 | 298 | 162 | 105 | 175 | 30                               | 35 | 98                  |
| MF125   | 122 | 195 | 260 | 162 | 105 | 175 | 30                               | 35 | 118                 |
| MF150   | 150 | 217 | 307 | 192 | 120 | 226 | 30                               | 35 | 145                 |
| MF200   | 197 | 240 | 300 | 195 | 130 | 250 | 35 (narrow part)<br>63 (overall) | 35 | 192                 |



**Technical specifications**

| Catalogue No<br>STD / Timer | Speed | RPM  | Wattage | Maximum<br>Airflow<br>(m <sup>3</sup> /hr) | Maximum<br>Airflow (l/s) | Maximum<br>Pressure<br>(Pa) | dB(A) 3m* | Max<br>Operating<br>Temp °C |
|-----------------------------|-------|------|---------|--|--------------------------|-----------------------------|-----------|-----------------------------|
| MF100S/MF100T               | H     | 2400 | 25      | 245  | 68                       | 200                         | 24        | 40                          |
|                             | M     | 2100 | 23      | 216  | 60                       | 170                         | 22        |                             |
|                             | L     | 1700 | 20      | 180  | 50                       | 120                         | 20        |                             |
| MF125S/MF125T               | H     | 2400 | 33      | 310  | 86                       | 230                         | 25        | 40                          |
|                             | M     | 2100 | 31      | 290  | 79                       | 200                         | 23        |                             |
|                             | L     | 1700 | 28      | 240  | 67                       | 160                         | 21        |                             |
| MF150S/MF150T               | H     | 2400 | 48      | 500  | 138                      | 190                         | 35        | 40                          |
|                             | M     | 2100 | 46      | 460  | 127                      | 150                         | 33        |                             |
|                             | L     | 1700 | 42      | 400  | 111                      | 130                         | 31        |                             |
| MF200S/MF200T               | H     | 2750 | 120     | 855  | 238                      | 220                         | 48        | 40                          |
|                             | M     | 2700 | 113     | 738  | 205                      | 190                         | 48        |                             |
|                             | L     | 2000 | 110     | 648  | 180                      | 180                         | 48        |                             |

\*Lp dB(A) 3 metres - sound pressure

**Speed Controller**

Cat No. METCON (not to be used with Timer models)



# MET In-line Centrifugal Fan Range

## Commercial Range

MET100/125/150/200/250/315



Designed for a wide range of commercial and industrial applications, offering high airflow performance in a choice of duct sizes.

Powerful and unobtrusive, the MET range have extract rates for many applications. Supplied with mounting feet for horizontal or vertical mounting.

A comprehensive range of ventilation accessories available to cover most ducted applications.

MET range incorporates a backward curved centrifugal impeller designed for large airflow against the resistance experienced in longer duct lengths. All models have 30mm long inlet and discharge spigots for easier duct work connection.

Designed for use with electronic speed control.

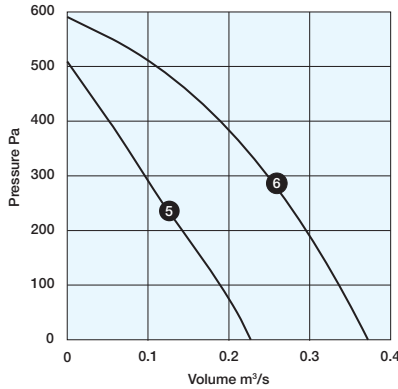
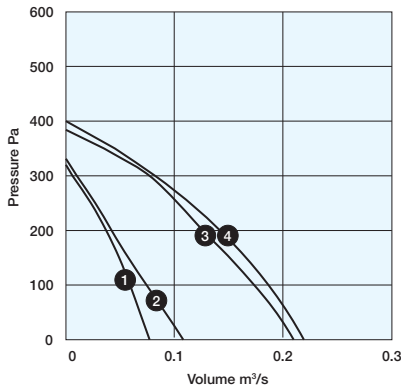




## Technical specifications

| Model  | Speed Rpm | Performance m <sup>3</sup> /hr | Power Watts | Sound dB(A) @ 3m |
|--------|-----------|--------------------------------|-------------|------------------|
| MET100 | 1990      | 277                            | 42          | 47               |
| MET125 | 1907      | 388                            | 44          | 47               |
| MET150 | 2409      | 759                            | 62          | 51               |
| MET200 | 2505      | 788                            | 96          | 50               |
| MET250 | 2505      | 817                            | 94          | 53               |
| MET315 | 2370      | 1339                           | 205         | 61               |

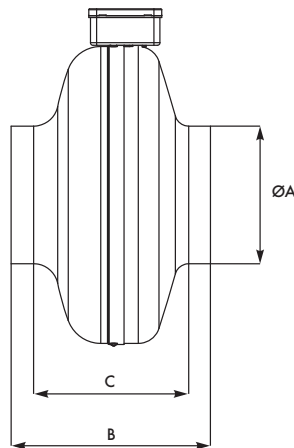
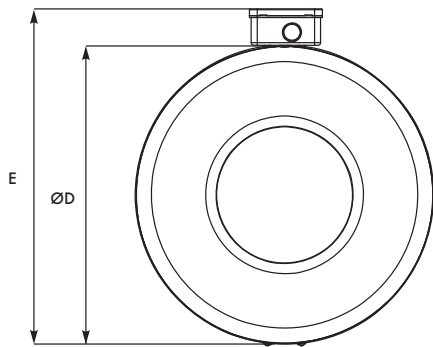
## Performance



|      |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|
| Size | 100 | 125 | 150 | 200 | 250 | 315 |
|      | 1   | 2   | 3   | 4   | 5   | 6   |

## Dimensions

| Product Size | ØA  | B   | C   | ØD  | E   | kg  |
|--------------|-----|-----|-----|-----|-----|-----|
| MET100       | 100 | 206 | 167 | 245 | 290 | 3   |
| MET125       | 125 | 206 | 175 | 245 | 290 | 3   |
| MET150       | 150 | 227 | 175 | 345 | 390 | 4   |
| MET200       | 200 | 227 | 175 | 345 | 390 | 4.5 |
| MET250       | 250 | 230 | 170 | 345 | 390 | 4.5 |
| MET315       | 315 | 247 | 179 | 400 | 445 | 6.5 |



## Electrical

220-240V - AC. 50Hz single phase. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3amp fuse fitted.

## Motor

Motors are single phase external rotor design with capacitor start to optimise efficiency. HOT SPOT protection protects the motor from damage due to overheating/overloading. Sealed for life bearings ensure maintenance free operation.

## Construction

Spun steel case featuring an aerodynamically designed airflow guide vane. 30mm inlet and discharge spigot for ease of installation.

## Installation

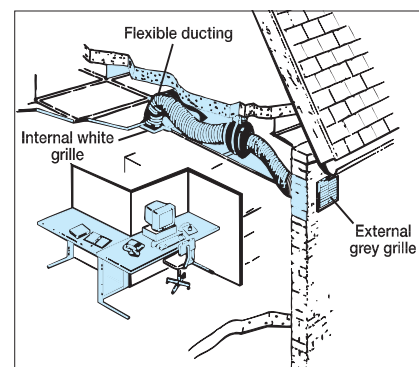
Induct fans suitable for in-line and designed for use with suspended ceiling systems.

## Speed Controller

Cat No. METCON



## Installation



# Fly Killers Specialist Range

MANPFK/50/80/150



#### MANPFK - PORTABLE UNIT

- High efficiency, long life (50,000 hrs) LED bulbs for attracting insects
- The MANPFK consumes 5.5W with a coverage of 50m<sup>2</sup>
- An extractor fan is incorporated into the ABS fire proof plastic housing
- Comes complete with a safety micro switch and a separate brush for cleaning and maintenance
- Pre-wired and fitted with a 3 pin plug

#### MANFK

- Energy efficient UV-A Lamp
- 3 sizes available 50m<sup>2</sup>, 80m<sup>2</sup>, 150m<sup>2</sup>
- Made from crack, fade, scratch and oil resistant high quality aluminium
- Multiple mounting options of wall, suspended or free standing
- Comes complete with a large removable collection tray for easy cleaning
- Pre-wired and fitted with a 3 pin plug



# Technical Details

## Additional Data

| Model     | Size LxWxH (mm)* | Weight | Coverage          |
|-----------|------------------|--------|-------------------|
| MANPFK    | 200 x 75 x 210   | 0.7    | 50m <sup>2</sup>  |
| MANPFK50  | 340 x 100 x 264  | 1.83   | 50m <sup>2</sup>  |
| MANPFK80  | 385 x 100 x 315  | 2.6    | 80m <sup>2</sup>  |
| MANPFK150 | 640 x 100 x 365  | 3.60   | 150m <sup>2</sup> |

## Replacement Lamps

| Watts | Model     | Watts |
|-------|-----------|-------|
| 5.5   | –         | –     |
| 2x8   | MANLMP8W  | 8W    |
| 2x10  | MANLMP10W | 10W   |
| 2x20  | MANLMP20W | 20W   |

\*size is based on the product without the packaging



### MANPFK

- High efficiency long life (50,000 hrs) LED bulbs for attracting insects
- Power: 5.5W
- Coverage: 50m<sup>2</sup>
- ABS fire proof plastic
- Micro switch for high safety
- Extract fan for high efficiency
- Includes brush for cleaning and maintenance
- Approved to EN60335-2-59 CE/GS/ROHS



### MANFK50

- Power: 2x8W
- Coverage: 50m<sup>2</sup>
- Large removable collection tray for easy cleaning
- High quality aluminium, easy to clean. Crack, fade, scratch and oil resistant
- Full protected outer mesh
- Energy efficient UV-A lamp
- Wall mountable (on a chain), suspending or free standing
- Approved to EN60335-2-59 CE/GS/ROHS/REACH/PAH(TUV)



### MANFK80

- Power: 2x10W
- Coverage: 80m<sup>2</sup>
- Large removable collection tray for easy cleaning
- High quality aluminium, easy to clean. Crack, fade, scratch and oil resistant
- Full protected outer mesh
- Energy efficient UV-A lamp
- Wall mountable (on a chain), suspending or free standing
- Approved to EN60335-2-59 CE/GS/ROHS/REACH/PAH(TUV)



### MANFK150

- Power: 2x20W
- Coverage: 150m<sup>2</sup>
- Large removable collection tray for easy cleaning
- High quality aluminium, easy to clean. Crack, fade, scratch and oil resistant
- Full protected outer mesh
- Energy efficient UV-A lamp
- Wall mountable (on a chain), suspending or free standing
- Approved to EN60335-2-59 CE/GS/ROHS/REACH/PAH(TUV)

# Hand Driers Specialist Range

## HAND DRIERS








- The new range of high quality, warm air hand driers from Manrose incorporates the latest technology and design, and is available in push button or automatic 'no-touch' operations.
- Easy to install, they have very economical operating costs, compared to paper towel or cloth towel cabinets and are more hygienic.
- The range includes three versions of heavy-duty steel cover, aluminium cover and ABS plastic cover. Suitable for most applications including hotels, shops, restaurants, hospitals and factories.
- Heavy-duty range now available in three finishes, bright chrome, satin chrome, and white.
- New to the range is the Manrose fast dry
  - 10 second dry
  - Unique blue dry zone indicator
  - 70% energy saving
- All models CE approved.

# Technical Details

## Applications

The models MAN M-88A and MAN/A-89 are suitable for use within office and commercial organisations, such as clinics and catering establishments. They are not recommended for use in public areas prone to vandalism, for example public lavatories and unsupervised areas.

All other models are suitable for use in public areas such as lavatories, factories, schools, railway and motorway service stations and are designed for heavy usage and unsupervised areas.

|                            | MAN/M-88A  | MAN/A-89   | MAN/E88AE  | MAN/E88AEBC  | E88AEC   |
|----------------------------|--|--|--|--|--|
|                            | <b>FAST DRY HAND DRYERS</b>  |  |  |  |  |
| <b>Cover</b>               | ABS thermoplastics one-piece cover - White   | Aluminium 3mm White  | White Steel  | Stainless Satin Steel  | Stainless Satin Chrome   |
| <b>Operation</b>           | No touch Infra Red detection   | No touch Infra Red detection   | No touch Infra Red detection   | No touch Infra Red detection   | No touch Infra Red detection   |
| <b>Electrical</b>          | 220-240V 50Hz  | 220-240V 50Hz  | 220-240V 50Hz  | 220-240V 50Hz  | 220-240V 50Hz  |
| <b>Power</b>               | 1.5kW at 240V  | 2.0kW at 240V  | 1.6kW at 240V  | 1.6kW at 240V  | 1.6kW at 240V  |
| <b>Dimensions (HXWxD)</b>  | 275 x 225 x 160mm  | 275 x 225 x 160mm  | 277 x 201 x 175mm  | 277 x 201 x 175mm  | 277 x 201 x 175mm  |
| <b>Sound Volume Levels</b> | 54 dB(A) 1m  | 69 dB(A) 1m  | 74 dB(A) 1m  | 74 dB(A) 1m  | 74 dB(A) 1m  |
| <b>Weight</b>              | 3.3 kg   | 4.7 kg   | 7.0 kg   | 7.0 kg   | 7.0 kg   |
|                            |  |  |  |  |  |

|                            | MAN/E-88  | MAN/E-88A   | MAN/E-88ACS   | MAN/E-88C  | MAN/E-88AC  |
|----------------------------|---|---|---|--|---|
| <b>Cover</b>               | Steel 2mm White Porcelain Enamel  | Steel 2mm White Porcelain Enamel  | Steel 2mm Satin Chrome  | Steel 2mm Bright Chrome  | Steel 2mm Bright Chrome   |
| <b>Operation</b>           | Push Button   | No touch Infra Red detection  | No touch Infra Red detection  | Push button  | No touch Infra Red detection  |
| <b>Electrical</b>          | 220-240V 50Hz   | 220-240V 50Hz   | 220-240V 50Hz   | 220-240V 50Hz  | 220-240V 50Hz   |
| <b>Power</b>               | 2.4kW 240V  | 2.4kW 240V  | 2.4kW 240V  | 2.4kW 240V   | 2.4kW 240V  |
| <b>Dimensions (HXWxD)</b>  | 248 x 284 x 202mm   | 248 x 284 x 202mm   | 248 x 284 x 202mm   | 248 x 284 x 202mm  | 248 x 284 x 202mm   |
| <b>Sound Volume Levels</b> | 70 dB(A) 1m   | 70 dB(A) 1m   | 70 dB(A) 1m   | 70 dB(A) 1m  | 70 dB(A) 1m   |
| <b>Weight</b>              | 7.5 kg  | 7.5 kg  | 7.5 kg  | 7.5 kg   | 7.5 kg  |
|                            |  |  |  |  |  |

# Electrical Controllers

## ELECTRICAL ACCESSORIES



1346



MANHR1345



1351



1361



1362

## Technical Details

The Manrose range of electrical accessories are designed to upgrade the switching mechanism of any standard fan providing that the electrical load is not less than 20 Watts or more than 200 Watts. A complete range of options are available in these remote control wall-mounted units.

### Fan Isolating Switch

3 pole, 1 gang fan isolating switch.

| Cat. No. | Description          |
|----------|----------------------|
| 1346     | Fan isolating switch |

### Boost Speed Switch

For the Manrose range of heat recovery units.

| Cat. No.  | Description        |
|-----------|--------------------|
| MANHR1345 | Boost speed switch |

### Timer Model

Incorporating an electronic time delay switch which allows the fan to run on after the room has been vacated and is easily adjustable between 1-20 mins. Fits single pattress 20mm deep.

| Cat. No. | Description          |
|----------|----------------------|
| 1351     | Remote timer control |

### Humidistat Models

Designed to operate the fan when the relative humidity reaches a pre-set level. This unit is adjustable between 20-90% RH and comes complete with an on/off switch which fits a double pattress. Also available with adjustable timer. Fits single pattress 20mm deep.

| Cat. No.   | Description   |
|------------|---|
| MANHRHUMID | Remote humidity sensor for MANHR 4500DC only  |
| 1361       | Remote humidistat control and timer. Fits into a single pattress 20mm deep over run timer |

### P.I.R Model

Passive infra-red model, sensitive to movement will switch the fan on when someone enters the room and off when the room is vacated. The unit also incorporates a time delay switch, which requires no switched live and is energy efficient. Range 5 metres. Fits into a single pattress 20mm deep.

| Cat. No. | Description                  |
|----------|------------------------------|
| 1362     | Remote P.I.R. sensor control |

# Electrical Speed Controllers

## FAN SPEED CONTROLLERS

### Technical Details

Manrose offer a wide range of variable, 2 speed controllers with reversible options. Consult our technical department for full details.

#### Fan Speed Controllers - Non Reversible

The variable non-reversing fan speed control is suitable for controlling the speed of fans providing that the electrical load is not less than 20 Watts or more than 200 Watts. Fits single pattress 20mm deep. A two speed non reversing controller is also available.

| Cat. No. | Description                   |
|----------|-------------------------------|
| 1350     | Variable fan speed controller |
| COMTSCV  | Variable fan speed controller |

#### METCON

Single phase variable Non Reversible speed controller for use with in-line commercial fans. MET and MF series. Not suitable for timer models.

| Cat. No. | Description             |
|----------|-------------------------|
| METCON   | Speed controller 1.7amp |

#### Fan Speed Controllers - Reversible

Suitable for WF/XF230/300/COMT/TK/CW/G (except MP models) range. Twin speed and variable speed options available.

| Cat. No. | Description   |
|----------|---|
| 1349     | Reversible speed controller (variable)                        |
| COMTSCVR | Reversible speed controller (variable)                        |
| 1348     | Two speed reversible controller (230mm 9" and 300mm 12" fans) |



1350



COMTSCV



METCON



1349



COMTSCVR



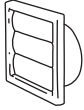
1348

# Ducting - Terminations

Wall Grilles available in White, Grey, Brown, Cotswold Stone and Terracotta. Please state colour.

## Gravity Shutter Grille

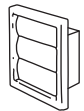
Round Spigot - External Wall Grille



| Cat. No. | Product Type                       | Size      |
|----------|------------------------------------|-----------|
| 1162     | 140 x 140mm Gravity Shutter Grille | 100mm/4"  |
| 1182     | 160 x 160mm Gravity Shutter Grille | 125mm/5"  |
| 1202     | 180 x 180mm Gravity Shutter Grille | 150mm/6"  |
| 1209FG   | 286 x 286mm Gravity Shutter Grille | 230mm/9"  |
| 1206FG   | 362 x 362mm Gravity Shutter Grille | 300mm/12" |

## Gravity Shutter Grille

Rectangular Spigot - External Wall Grille



| Cat. No. | Product Type                       | Size       |
|----------|------------------------------------|------------|
| 41010    | 140 x 140mm Gravity Shutter Grille | 110 x 54mm |

## Weather Proof Cowled Wall Outlet

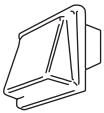
With Damper - Round Spigot



| Cat. No. | Product Type                  | Size     |
|----------|-------------------------------|----------|
| 1240L    | Vent Hoods/Weatherproof Cowls | 100mm/4" |
| 1241     | Vent Hoods/Weatherproof Cowls | 125mm/5" |
| 1242     | Vent Hoods/Weatherproof Cowls | 150mm/6" |

## Cowled Wall Outlet

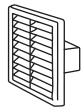
With Damper - Rectangular Spigot



| Cat. No. | Product Type                 | Size       |
|----------|------------------------------|------------|
| 41030    | 145 x 153mm Cowl with Damper | 110 x 54mm |

## Fixed Louvre Grille

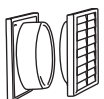
Rectangular Spigot



| Cat. No. | Product Type                    | Size       |
|----------|---------------------------------|------------|
| 41050    | 140 x 140mm Fixed Louvre Grille | 110 x 54mm |

## Fixed Louvre Grille

External Wall Grille - Round Spigot

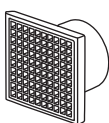


| Cat. No. | Product Type                    | Size      |
|----------|---------------------------------|-----------|
| 1152     | 140 x 140mm Fixed Louvre Grille | 100mm/4"  |
| 9152     | 140 x 140mm Fixed Louvre Grille | 100mm/4"  |
| 1172     | 160 x 160mm Fixed Louvre Grille | 125mm/5"  |
| 1192     | 180 x 180mm Fixed Louvre Grille | 150mm/6"  |
| 9192     | 180 x 180mm Fixed Louvre Grille | 150mm/6"  |
| 12098*   | 286 x 286mm Fixed Louvre Grille | 200mm/8"  |
| 1209*    | 286 x 286mm Fixed Louvre Grille | 230mm/9"  |
| 1206*    | 362 x 362mm Fixed Louvre Grille | 300mm/12" |

\*Available in White only

## Egg Crate Grille

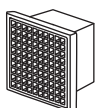
Round Spigot - External Wall Grille



| Cat. No. | Product Type                 | Size     |
|----------|------------------------------|----------|
| 1145L    | 140 x 140mm Egg Crate Grille | 100mm/4" |
| 1147L    | 160 x 160mm Egg Crate Grille | 125mm/5" |
| 1148L    | 180 x 180mm Egg Crate Grille | 150mm/6" |

## Egg Crate Grille

Rectangular Spigot - External Wall Grille



| Cat. No. | Product Type                 | Size       |
|----------|------------------------------|------------|
| 1146     | 140 x 140mm Egg Crate Grille | 110 x 54mm |

## Fixed Louvre Grille (Two Piece)\*

Round Spigot

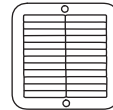


| Cat. No. | Product Type                    | Size     |
|----------|---------------------------------|----------|
| 9152     | 140 x 140mm Fixed Louvre Grille | 100mm/4" |
| 9192     | 180 x 180mm Fixed Louvre Grille | 150mm/6" |

\*Please note the two piece wall grille is not part L compliant

## Plate Grilles\*

External Plate Wall Grilles

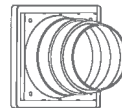


| Cat. No. | Product Type                        | Size      |
|----------|-------------------------------------|-----------|
| 1210L    | 200 x 200mm Grille Fixed Louvre     | 150mm/6"  |
| 1220L    | 200 x 200mm Grille Gravity Shutters | 150mm/6"  |
| 1208     | 286 x 286mm Grille Fixed Louvre     | 230mm/9"  |
| 1207     | 362 x 362mm Grille Fixed Louvre     | 300mm/12" |

\* Available in White only

## Multi Spigot Grille

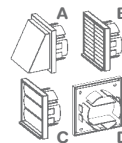
98mm to 125mm spigot



| Cat. No. | Product Type    | Size     |
|----------|-----------------|----------|
| 1221L    | Fixed Louvre    | 98-125mm |
| 1222L    | Gravity Shutter | 98-125mm |

## Multi Fit Grilles

Dual fitting for Round and Rectangular Ducting



| Cat. No. | Product Type                      | Size     |
|----------|-----------------------------------|----------|
| 41051    | A-Fixed Louvre - dual fitting     | 100mm/4" |
| 41011    | B-Gravity Shutters - dual fitting | 100mm/4" |
| 41031    | C-Cowled Outlet - dual fitting    | 100mm/4" |
| 41052    | D-Egg Crate - dual fitting        | 100mm/4" |

## Mushroom Cowl

Wall Outlet - Round Spigot



| Cat. No. | Product Type  | Size     |
|----------|---------------|----------|
| 41705    | Cowled Outlet | 100mm/4" |

## Fly Screen\*

For fixed Wall Grilles



| Cat. No. | Product Type | Size     |
|----------|--------------|----------|
| FS100    | Fly Screen   | 100mm/4" |
| FS120    | Fly Screen   | 120mm/5" |
| FS150    | Fly Screen   | 150mm/6" |

\*We don't recommend the use of fly screens with mechanical extract ventilation. It can reduce the fans performance by up to 60% leaving the fan no longer complying with the building regulation doc Part F & L. Only for use with static-vent and return air boxes.

For information please contact our technical department.

## Internal Door Ventilator

Plastic Fixed Vent



| Cat. No. | Product Type             | Product Size |
|----------|--------------------------|--------------|
| 41450    | Internal Door Ventilator | 452x90mm     |

## Circular Soffit Vent

Plastic Fixed Vent



| Cat. No. | Product Type | Size |
|----------|--------------|------|
| 1860W    | White        | 70mm |
| 1860B    | Brown        | 70mm |





# Ducting - Terminations

## Adjustable Vent

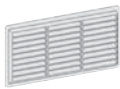
PVC Fully Adjustable Vent



| Cat. No. | Product Type        | Size      |
|----------|---------------------|-----------|
| 1800     | PVC Adjustable Vent | 250x81mm  |
| 1810     | PVC Adjustable Vent | 250x166mm |
| 1820     | PVC Adjustable Vent | 250x250mm |
| 1800C    | Chrome Plated Vent  | 250x81mm  |
| 1810C    | Chrome Plated Vent  | 250x166mm |
| 1820C    | Chrome Plated Vent  | 250x250mm |

## Fixed Louvre Vent

PVC Vent for Maximum Flow



| Cat. No. | Product Type                    | Size      |
|----------|---------------------------------|-----------|
| 1830     | Fixed Louvre Vent               | 250x81mm  |
| 1840     | PVC Fixed Louvre Vent           | 250x166mm |
| 1850     | PVC Fixed Louvre Vent           | 250x250mm |
| 1830C    | Chrome Plated Fixed Louvre Vent | 250x81mm  |
| 1840C    | Chrome Plated Fixed Louvre Vent | 250x166mm |
| 1850C    | Chrome Plated Fixed Louvre Vent | 250x250mm |

## Internal Circular Egg Crate Grilles



| Cat. No. | Product Type                        | Size     |
|----------|-------------------------------------|----------|
| 3100W    | Circular Egg Crate Grilles - White  | 100mm/4" |
| 3100C    | Circular Egg Crate Grilles - Chrome | 100mm/4" |

## Internal Circular Grilles



| Cat. No. | Product Type              | Size     |
|----------|---------------------------|----------|
| 2100W    | Circular Grilles - White  | 100mm/4" |
| 2100C    | Circular Grilles - Chrome | 100mm/4" |
| 2120W    | Circular Grilles - White  | 120mm/5" |
| 2120C    | Circular Grilles - Chrome | 120mm/5" |
| 2150W    | Circular Grilles - White  | 150mm/6" |
| 2150C    | Circular Grilles - Chrome | 150mm/6" |

## External Round Louvred Grilles



| Cat. No. | Product Type         | Size     |
|----------|----------------------|----------|
| 41020    | Round Louvred Grille | 100mm/4" |
| 51020    | Round Louvred Grille | 125mm/5" |
| 61020    | Round Louvred Grille | 150mm/6" |

## Circular Air Diffusers

Duct Valves with Spring Connection & Fully Adjustable Centre Disc



| Cat. No. | Product Type                       | Size     |
|----------|------------------------------------|----------|
| 1250     | Duct Valves with Spring Connection | 100mm/4" |
| 1251     | Duct Valves with Spring Connection | 120mm/5" |
| 1260     | Duct Valves with Spring Connection | 150mm/6" |
| 1259     | Duct Valves with Spring Connection | 200mm/8" |

## Extract Ventilation Pipes



Weathering Collar

| Cat. No. | Product Type              | Size  |
|----------|---------------------------|-------|
| 1420     | Extract Ventilation Pipes | 110mm |

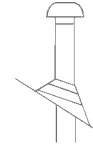
## Extract Cover



Roof Cowl for Extract Ventilation Pipes

| Cat. No. | Product Type  | Size  |
|----------|---------------|-------|
| 1430     | Extract Cover | 110mm |

## Through Roof Vent Kit



Complete with Weathering Slate, 100mm Roof Cowl and 500mm of Soil Pipe. Use 40419 adapter if connecting to 100mm ventilation ducting.

| Cat. No. | Product Type         | Size  |
|----------|----------------------|-------|
| 1380     | 110mm Angled 457x457 | 110mm |
| 1390     | 110mm Flat 406x406   | 110mm |

## Weathering Slates - Aluminium



| Cat. No. | Product Type         | Size  |
|----------|----------------------|-------|
| 1400     | 110mm Angled 457x457 | 110mm |
| 1410     | 110mm Flat 406x406   | 110mm |

## Five in One Roof Vent Kit



500 x 500mm lead through roof 5 way ventilation terminal available in dark grey

| Cat. No. | Product Type                   | Size      |
|----------|--------------------------------|-----------|
| 1395     | Duct Sizes 100/110/125/150/160 | 150/160mm |

# Ducting - Rectangular

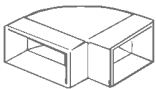
## Flat Channel Ducting



| Cat. No. | Product Type         | External Dimensions (mm) |     |      | Resistance (Pa) at flow rate |        |        |         |        |        |         |        |  |
|----------|----------------------|--------------------------|-----|------|------------------------------|--------|--------|---------|--------|--------|---------|--------|--|
|          |                      | H                        | W   | D    | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s  | 37 l/s | 45 l/s | 53 l/s  | 61 l/s |  |
| 40100    | 110 x 54mm - L1000mm | 54                       | 110 | 1000 | 0.8                          | 1.6    | 3.5    | 6.0     | 9.2    | 13.1   | 17.1    | 21.1   |  |
| 40150    | 110 x 54mm - L1500mm | 54                       | 110 | 1500 | 1.2                          | 2.4    | 5.3    | 9.1     | 13.9   | 19.8   | 25.9    | 32     |  |
| 44020    | 110 x 54mm - L2000mm | 54                       | 110 | 1500 | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 58100    | 150 x 70mm - L1000mm | 70                       | 150 | 1000 | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 58150    | 150 x 70mm - L1500mm | 70                       | 150 | 1500 | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 58030    | 150 x 70mm - L300mm  | 70                       | 150 | 300  | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 58040    | 150 x 70mm - L400mm  | 70                       | 150 | 400  | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 55100    | 204 x 60mm - L1000mm | 60                       | 204 | 1000 | <1                           | <1     | <1     | 1.5     | 2.2    | 3.0    | 3.9     | 5.1    |  |
| 55150    | 204 x 60mm - L1500mm | 60                       | 204 | 1500 | <1                           | <1     | 1.3    | 2.2     | 3.3    | 4.5    | 5.9     | 7.8    |  |
| 55020    | 204 x 60mm - L2000mm | 60                       | 204 | 1500 | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| Cat. No. | Product Type         | H                        | W   | D    | 60 l/s                       |        |        | 120 l/s |        |        | 180 l/s |        |  |
| 60910    | 220 x 90mm - L1000mm | 90                       | 220 | 1000 | 0.9                          |        |        | 3.2     |        |        | 6.7     |        |  |
| 60915    | 220 x 90mm - L1500mm | 90                       | 220 | 1500 | 1.4                          |        |        | 4.9     |        |        | 10.2    |        |  |
| 60902    | 220 x 90mm - L2000mm | 90                       | 220 |      |                              |        |        |         |        |        |         |        |  |
| 1501     | 225 x 25mm - L1000mm | 25                       | 225 | 1000 | -                            |        |        | -       |        |        | -       |        |  |
| 1503     | 225 x 25mm - L1500mm | 25                       | 225 | 1500 | -                            |        |        | -       |        |        | -       |        |  |
| 1502     | 225 x 25mm - L2000mm | 25                       | 225 | 2000 | -                            |        |        | -       |        |        | -       |        |  |
| 1500     | 225 x 25mm - L2400mm | 25                       | 225 | 2400 | -                            |        |        | -       |        |        | -       |        |  |
| 1509     | 300 x 25mm - L1000mm | 25                       | 300 | 1000 | -                            |        |        | -       |        |        | -       |        |  |
| 1508     | 300 x 25mm - L1500mm | 25                       | 300 | 1500 | -                            |        |        | -       |        |        | -       |        |  |
| 1510     | 300 x 25mm - L2000mm | 25                       | 300 | 2000 | -                            |        |        | -       |        |        | -       |        |  |
| 1515     | 300 x 25mm - L2400mm | 25                       | 300 | 2400 | -                            |        |        | -       |        |        | -       |        |  |

## Horizontal 90° Bend

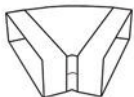
Rectangular Horizontal Bend with Female Fittings Suitable for above Kitchen cupboards



| Cat. No. | Product Type | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |         |        |        |         |        |  |
|----------|--------------|--------------------------|-----|-----|------------------------------|--------|--------|---------|--------|--------|---------|--------|--|
|          |              | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s  | 37 l/s | 45 l/s | 53 l/s  | 61 l/s |  |
| 40500    | 110x54mm     | 60                       | 152 | 152 | 2.3                          | 9.9    | 21     | 38      | 64     | 93     | 124     | 162    |  |
| 58500    | 150 x 70mm   | -                        | -   | -   | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 55500    | 204 x 60mm   | 65                       | 260 | 260 | <1                           | 1.7    | 4.1    | 8.4     | 13     | 18     | 25      | 34     |  |
| Cat. No. | Product Type | H                        | W   | D   | 60 l/s                       |        |        | 120 l/s |        |        | 180 l/s |        |  |
| 60950    | 220 x 90mm   | 95                       | 250 | 250 | 9                            |        |        | 36      |        |        | 80      |        |  |
| 1540     | 225 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |
| 1550     | 300 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |

## Horizontal 45° Bend

Rectangular Horizontal Bend with Female Fittings Suitable for above Kitchen cupboards



| Cat. No. | Product Type | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |         |        |        |         |        |  |
|----------|--------------|--------------------------|-----|-----|------------------------------|--------|--------|---------|--------|--------|---------|--------|--|
|          |              | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s  | 37 l/s | 45 l/s | 53 l/s  | 61 l/s |  |
| 40450    | 110 x 54mm   | -                        | -   | -   | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 55810    | 204 x 60mm   | 65                       | 240 | 260 | 0.2                          | 0.7    | 1.2    | 2.1     | 3.8    | 6.1    | 9.2     | 13     |  |
| Cat. No. | Product Type | H                        | W   | D   | 60 l/s                       |        |        | 120 l/s |        |        | 180 l/s |        |  |
| 60953    | 220 x 90mm   | 95                       | 240 | 200 | 5                            |        |        | 20      |        |        | 46      |        |  |
| 1560     | 225 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |
| 1570     | 300 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |

## Adjustable Horizontal Bend

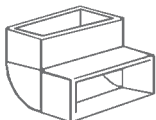
For connecting to Flat Channel Ducting



| Cat. No. | Product Type | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |  |
|----------|--------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|--|
|          |              | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |  |
| 54500    | 204 x 60mm   | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |  |

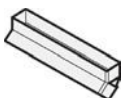
## Vertical 90° Bend

90° Rectangular Vertical Bend with Female Fittings suitable for above Kitchen cupboards



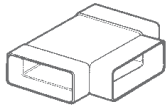
| Cat. No. | Product Type | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |         |        |        |         |        |  |
|----------|--------------|--------------------------|-----|-----|------------------------------|--------|--------|---------|--------|--------|---------|--------|--|
|          |              | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s  | 37 l/s | 45 l/s | 53 l/s  | 61 l/s |  |
| 40600    | 110 x 54mm   | 95                       | 115 | 95  | 3.3                          | 15.5   | 36     | 61      | 96     | 138    | 190     | 253    |  |
| 58600    | 150 x 70mm   | -                        | -   | -   | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 55600    | 204 x 60mm   | 115                      | 210 | 115 | 1.1                          | 2.5    | 5.2    | 9.8     | 16.1   | 24     | 33.6    | 45     |  |
| Cat. No. | Product Type | H                        | W   | D   | 60 l/s                       |        |        | 120 l/s |        |        | 180 l/s |        |  |
| 60960    | 220 x 90mm   | 117                      | 224 | 120 | 7                            |        |        | 28      |        |        | 66      |        |  |
| 1600     | 225 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |
| 1610     | 300 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |

## 45° Vertical Bend



| Cat. No. | Product Type | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |         |        |        |         |        |  |
|----------|--------------|--------------------------|-----|-----|------------------------------|--------|--------|---------|--------|--------|---------|--------|--|
|          |              | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s  | 37 l/s | 45 l/s | 53 l/s  | 61 l/s |  |
| 40045    | 110 x 54mm   | -                        | -   | -   | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| 55645    | 204 x 60mm   | -                        | -   | -   | -                            | -      | -      | -       | -      | -      | -       | -      |  |
| Cat. No. | Product Type | H                        | W   | D   | 60 l/s                       |        |        | 120 l/s |        |        | 180 l/s |        |  |
| 60963    | 220 x 90mm   | 110                      | 225 | 115 | 6                            |        |        | 27      |        |        | 65      |        |  |
| 1670     | 225 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |
| 1690     | 300 x 25mm   | -                        | -   | -   | -                            |        |        | -       |        |        | -       |        |  |

# Ducting - Rectangular



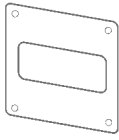
## Horizontal T-Piece - Adaptor to Connect Flat Channel Ducting

| Cat. No. | Product Type | Size       | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |  |
|----------|--------------|------------|------------------------------|--------|--------|--------|--------|--------|--------|--------|--|
|          |              |            | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |  |
| 40080    | 110 x 54mm   | 110 x 54mm | vary on installation         |        |        |        |        |        |        |        |  |
| 55582    | 204 x 60mm   | 204 x 60mm | vary on installation         |        |        |        |        |        |        |        |  |
| 60955    | 220 x 90mm   | 220 x 90mm | vary on installation         |        |        |        |        |        |        |        |  |



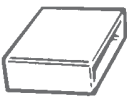
## Cross Over Duct Connector

| Cat. No. | Product Type             | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|----------|--------------------------|--------------------------|-----|-----|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |                          | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 442273   | 30' Drop Down Connection | 120                      | 220 | 210 | 0.2                          | 0.5    | 1.7    | 3.6    | 6.0    | 9.1    | 12.4   | 16.6   |



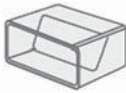
## Rectangular Wall Plate

| Cat. No. | Product Type | External Dimensions (mm) |     |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|----------|--------------|--------------------------|-----|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |              | H                        | W   | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 41150    | 154 x 154mm  | 154                      | 154 | - | n/a                          | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    |
| 58650    | 172 x 172mm  | 172                      | 172 | - | n/a                          | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    |
| 51150    | 119 x 264mm  | 119                      | 264 | - | n/a                          | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    |



## Flat Channel Connector

| Cat. No. | Product Type | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |         |        |        |         |        |        |
|----------|--------------|--------------------------|-----|-----|------------------------------|--------|---------|--------|--------|---------|--------|--------|
|          |              | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s  | 29 l/s | 37 l/s | 45 l/s  | 53 l/s | 61 l/s |
| 40200    | 110 x 54mm   | 54                       | 114 | 100 | <1                           | <1     | 1.1     | 1.4    | 2.2    | 3.4     | 4.8    | 6.4    |
| 58200    | 150 x 70mm   | -                        | -   | -   | -                            | -      | -       | -      | -      | -       | -      | -      |
| 55200    | 204 x 60mm   | 64                       | 212 | 100 | <1                           | <1     | <1      | <1     | <1     | <1      | 1.2    | 1.5    |
| 1520     | 225 x 25mm   | -                        | -   | -   | -                            | -      | -       | -      | -      | -       | -      | -      |
| 1530     | 300 x 25mm   | -                        | -   | -   | -                            | -      | -       | -      | -      | -       | -      | -      |
| Cat. No. | Product Type | H                        | W   | D   | 60 l/s                       |        | 120 l/s |        |        | 180 l/s |        |        |
| 60920    | 220 x 90mm   | 95                       | 224 | 52  | <1                           | <1     | <1      | <1     | <1     | <1      | <1     | <1     |



## Flat Channel Connector with Internal Damper

| Cat. No. | Product Type             | External Dimensions (mm) |     |    | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|----------|--------------------------|--------------------------|-----|----|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |                          | H                        | W   | D  | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 40270    | 110 x 54mm - with Damper | 60                       | 115 | 75 | 16                           | 17.5   | 19.5   | 22     | 25.5   | 30.5   | 36     | 42     |



## Rigid Duct Attenuator

| Cat. No. | Product Type | Size       | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |   |      |
|----------|--------------|------------|------------------------------|--------|--------|--------|--------|--------|--------|--------|---|------|
|          |              |            | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |   |      |
| SL55105  | 0.6m Length  | 204 x 60mm | <1                           | <1     | 2.3    | 4.2    | -      | -      | -      | -      | - | 12.2 |
| SL55100  | 1.0m Length  | 204 x 60mm | <1                           | <1     | 2.2    | 4.1    | -      | -      | -      | -      | - | 15   |



## Insulated Rectangular Duct

| Cat. No.  | Product Type       | Size       | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |   |   |
|-----------|--------------------|------------|------------------------------|--------|--------|--------|--------|--------|--------|--------|---|---|
|           |                    |            | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |   |   |
| IJRP55150 | 1.5m Length        | 204 x 60mm | <1                           | <1     | 1.3    | 2.2    | 3.3    | 4.5    | 5.9    | 7.8    | - | - |
| IJRP55020 | 2.0m Length        | 204 x 60mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |
| IJRP60915 | 1.5m Length        | 220 x 90mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |
| IJ204-1.5 | 1.5m Length Jacket | 204 x 60mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |
| IJ204-2   | 2.0m Length Jacket | 204 x 60mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |
| IJ220-1.5 | 1.5m Length Jacket | 220 x 90mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |



## Insulated Vertical Bend

| Cat. No.  | Product Type             | Size       | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |   |   |
|-----------|--------------------------|------------|------------------------------|--------|--------|--------|--------|--------|--------|--------|---|---|
|           |                          |            | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |   |   |
| IJBV55645 | Vertical 45° Bend        | 204 x 60mm | 0.1                          | 0.5    | 1.3    | 2.5    | 4.4    | 6.9    | 10     | 13.3   | - | - |
| IJBV55600 | Vertical 90° Bend        | 204 x 60mm | 1.1                          | 2.5    | 5.2    | 9.8    | 16.1   | 24     | 33.6   | 45     | - | - |
| IJV204-45 | Vertical 45° Bend Jacket | 204 x 60mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |
| IJV204-90 | Vertical 90° Bend Jacket | 204 x 60mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |



## Insulated Horizontal Bend

| Cat. No.  | Product Type        | Size       | Resistance (Pa) at flow rate |        |         |        |        |         |        |        |   |   |
|-----------|---------------------|------------|------------------------------|--------|---------|--------|--------|---------|--------|--------|---|---|
|           |                     |            | 8 l/s                        | 13 l/s | 21 l/s  | 29 l/s | 37 l/s | 45 l/s  | 53 l/s | 61 l/s |   |   |
| IJBH55810 | Horizontal 45° Bend | 204 x 60mm | 0.2                          | 0.7    | 1.2     | 2.1    | 3.8    | 6.1     | 9.2    | 13     | - | - |
| IJBH55500 | Horizontal 90° Bend | 204 x 60mm | 0.7                          | 1.7    | 4.1     | 8.4    | 13     | 18      | 25     | 34     | - | - |
| Cat. No.  | Product Type        | Size       | 60 l/s                       |        | 120 l/s |        |        | 180 l/s |        |        |   |   |
| IJBH60950 | Horizontal 90° Bend | 220 x 90mm | 9                            |        | 36      |        |        | 80      |        |        |   |   |
| IJ204-45  | 45° Bend Jacket     | 204 x 60mm | -                            |        |         |        |        |         |        |        |   |   |
| IJ204-90  | 90° Bend Jacket     | 204 x 60mm | -                            |        |         |        |        |         |        |        |   |   |
| IJ220-90  | 90° Bend Jacket     | 220 x 90mm | -                            |        |         |        |        |         |        |        |   |   |



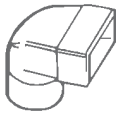
## Insulated T-Piece Bend

| Cat. No.  | Product Type   | Size       | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |   |   |
|-----------|----------------|------------|------------------------------|--------|--------|--------|--------|--------|--------|--------|---|---|
|           |                |            | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |   |   |
| IJTH55582 | T-Piece        | 204 x 60mm | vary on installation         |        |        |        |        |        |        |        |   |   |
| IJH204    | T-Piece Jacket | 204 x 60mm | -                            | -      | -      | -      | -      | -      | -      | -      | - | - |

# Ducting - Adaptors

## Elbow 90° Bend M to F

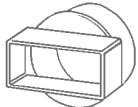
Connector for joining Round Pipe, Flexi Hose & Flat Channel Ducting



| Cat. No.  | Product Type         | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|-----------|----------------------|--------------------------|-----|-----|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|           |                      | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 40300 (F) | 100mmØ to 110 x 54mm | 90                       | 115 | 140 | 3                            | 8      | 17.7   | 33     | 49.9   | 74.5   | 101    | 137    |
| 40400 (M) | 100mmØ to 110 x 54mm | -                        | -   | -   | -                            | -      | -      | -      | -      | -      | -      | -      |
| 58400     | 125mmØ to 150 x 70mm | -                        | -   | -   | -                            | -      | -      | -      | -      | -      | -      | -      |
| 54400     | 100mmØ to 204 x 60mm | 80                       | 215 | 195 | 2.9                          | 7.1    | 15.1   | 28     | 45.1   | 68.1   | 92.2   | 118    |
| 55400     | 125mmØ to 204 x 60mm | 80                       | 215 | 195 | 3.1                          | 5.9    | 12.2   | 25     | 43.6   | 62.2   | 86     | 111    |
| 56400     | 150mmØ to 204 x 60mm | 80                       | 215 | 195 | 2.8                          | 4.9    | 11.6   | 21     | 31     | 41     | 53     | 67     |
| 60941     | 100mmØ to 220 x 90mm | 118                      | 226 | 240 | -                            | -      | -      | -      | -      | -      | -      | -      |
| 60951     | 125mmØ to 220 x 90mm | 118                      | 226 | 240 | -                            | -      | -      | -      | -      | -      | -      | -      |
| 60961     | 150mmØ to 220 x 90mm | 11                       | 226 | 240 | -                            | -      | -      | -      | -      | -      | -      | -      |

## Short to Round Rectangular Adaptor

with male/female adaptors for Connecting Flat Channel Ducting to Round Hose



| Cat. No. | Product Type            | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|----------|-------------------------|--------------------------|-----|-----|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |                         | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 40700    | 100mm to 110 x 54mm (F) | 60                       | 110 | 105 | 1.2                          | 4.3    | 8.4    | 20     | 30.2   | 43     | 62     | 88     |
| 40710    | 100mm to 110 x 54mm (M) | 60                       | 110 | 105 | 1.2                          | 4.3    | 8.4    | 20     | 30.2   | 43     | 62     | 88     |

## Round to Rectangular Adaptor - Adaptor to Connect Flat Channel Ducting



| Cat. No. | Product Type         | External Dimensions (mm) |     |     | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|----------|----------------------|--------------------------|-----|-----|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |                      | H                        | W   | D   | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 40701    | 100mmØ to 110 x 54mm | 100                      | 115 | 180 | 1.2                          | 4.2    | 8.3    | 19.8   | 29.9   | 42     | 60     | 86     |
| 58701    | 125mmØ to 150 x 70mm | -                        | -   | -   | -                            | -      | -      | -      | -      | -      | -      | -      |
| 55710    | 100mmØ to 204 x 60mm | 140                      | 210 | 215 | 1.0                          | 1.96   | 3.2    | 4.9    | 6.7    | 8.7    | 11.2   | 14.5   |
| 55700    | 125mmØ to 204 x 60mm | 140                      | 210 | 213 | <1                           | <1     | 1.5    | 2.8    | 4.5    | 6.7    | 9      | 11.5   |
| 60970    | 150mmØ to 220 x 90mm | 160                      | 225 | 203 | -                            | -      | -      | -      | -      | -      | -      | -      |

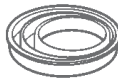
## Adaptor - Adaptor to Connect Round Pipe Ducting



| Cat No. | Product Type   | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|----------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 54544   | 125mm to 100mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |

## Offset Reducer

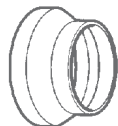
Adaptor to Connect Round Pipe Ducting



| Cat No. | Product Type            | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|-------------------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                         | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 45644   | 150mm to 125mm or 100mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |

## Circular Reducer

Adaptor to Connect Round Pipe Ducting, Flexi Hose & Fan Spigots



| Cat No. | Product Type   | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|----------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 54119   | 125mm to 100mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 64619   | 150mm to 100mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 65118   | 150mm to 125mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 86117   | 200mm to 150mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 98116   | 250mm to 200mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 12800   | 300mm to 200mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 40419   | 110mm to 100mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |

## Rubber Spigot Adaptor - Adaptor to Connect Cookerhood Spigots



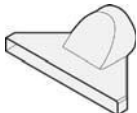
| Cat No. | Product Type   | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|----------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 50519   | 120mm to 125mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |

## Plenum Cooker Hood/Fan - with Connector



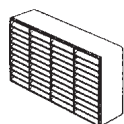
| Cat No. | Product Type   | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|----------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 1640    | 100mm to 225mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 1650    | 100mm to 300mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 1645    | 120mm to 225mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 1655    | 120mm to 300mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |

## Round to Rectangular Adaptor - Requires 414C Connector



| Cat No. | Product Type        | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|---------------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                     | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 40725   | 100mm to 225 x 25mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |
| 40730   | 105mm to 300 x 25mm | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |

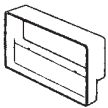
## Double Airbrick



| Cat No. | Product Type            | External Dimensions (mm) |     |    | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|-------------------------|--------------------------|-----|----|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                         | H                        | W   | D  | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 60905W  | 220 x 90mm White        | 145                      | 245 | 80 | 0.2                          | 1.6    | 4.3    | 8.7    | 13.9   | 21.1   | 27.5   | 37.4   |
| 60905B  | 220 x 90mm Brown        | 145                      | 245 | 80 | 0.2                          | 1.6    | 4.3    | 8.7    | 13.9   | 21.1   | 27.5   | 37.4   |
| 60905CS | 220 x 90mm Cotswold St. | 145                      | 245 | 80 | 0.2                          | 1.6    | 4.3    | 8.7    | 13.9   | 21.1   | 27.5   | 37.4   |
| 60905T  | 220 x 90mm Terracotta   | 145                      | 245 | 80 | 0.2                          | 1.6    | 4.3    | 8.7    | 13.9   | 21.1   | 27.5   | 37.4   |



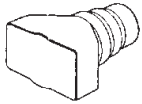
# Ducting - Adaptors



## Double Airbrick Adaptor to Rectangular Duct

Fits High Performance Ducting 220 x 90mm to double Airbrick 60905

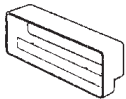
| Cat No. | Product Type            | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |        |
|---------|-------------------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|         |                         | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s | 61 l/s |
| 60977   | Double Airbrick Adaptor | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      | -      |



## Double Airbrick Adaptor to Round Duct

Fits 100/125/150mm Round Pipe

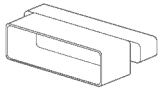
| Cat No. | Product Type            | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |         |         |   |   |   |   |
|---------|-------------------------|--------------------------|---|---|------------------------------|---------|---------|---|---|---|---|
|         |                         | H                        | W | D | 60 l/s                       | 120 l/s | 180 l/s |   |   |   |   |
| 60954   | Double Airbrick Adaptor | -                        | - | - | -                            | -       | -       | - | - | - | - |



## High Performance Ducting Adaptor

Fits 125 Channel Ducting 220x90mm to High Performance Ducting

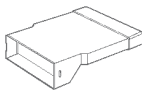
| Cat No. | Product Type | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|---------|--------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|
|         |              | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 60957   | Adaptor      | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      |



## Airbrick Adaptor

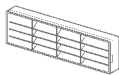
To connect Flat Channel Ducting and Airbrick Ventilators

| Cat No. | Product Type | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|---------|--------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|
|         |              | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 1580    | Adaptor      | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      |
| 1590    | Adaptor      | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      |



## Extended Horizontal Airbrick - For 225mm to 300mm System

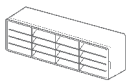
| Cat No. | Product Type                | External Dimensions (mm) |   |   | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|---------|-----------------------------|--------------------------|---|---|------------------------------|--------|--------|--------|--------|--------|--------|
|         |                             | H                        | W | D | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 1572    | Fits Direct to Flat Channel | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      |
| 1573    | Fits Direct to Flat Channel | -                        | - | - | -                            | -      | -      | -      | -      | -      | -      |



## Slimline Airbrick

| Cat. No. | Product Type      | Size     | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|----------|-------------------|----------|------------------------------|--------|--------|--------|--------|--------|--------|
|          |                   |          | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 45010*   | Horizontal Louvre | 110x54mm | -                            | -      | -      | -      | -      | -      | -      |
| 45011    | Vertical Louvre   | 110x54mm | -                            | -      | -      | -      | -      | -      | -      |

\* Fits into airbrick adaptor - 40770, 1572, 1573, 1580, 1590



## Slimline Airbrick

Wall Outlet

| Cat. No. | Product Type            | Size     | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|----------|-------------------------|----------|------------------------------|--------|--------|--------|--------|--------|--------|
|          |                         |          | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 55010    | Horizontal Louvre       | 204x60mm | -                            | -      | -      | -      | -      | -      | -      |
| 55011    | Vertical Louvre         | 204x60mm | -                            | -      | -      | -      | -      | -      | -      |
| 55012    | Low resistance airbrick | 204x60mm | -                            | -      | -      | -      | -      | -      | -      |



## Slimline Airbrick with Internal Damper

| Cat. No. | Product Type      | Size     | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|----------|-------------------|----------|------------------------------|--------|--------|--------|--------|--------|--------|
|          |                   |          | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 58501    | Horizontal Louvre | 150x70mm | -                            | -      | -      | -      | -      | -      | -      |
| 55501    | Horizontal Louvre | 204x60mm | -                            | -      | -      | -      | -      | -      | -      |



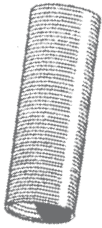
## Airbrick Adaptor

For use with Flat Channel Ducting and Slimline Air Bricks

| Cat. No. | Product Type     | Size     | Resistance (Pa) at flow rate |        |        |        |        |        |        |
|----------|------------------|----------|------------------------------|--------|--------|--------|--------|--------|--------|
|          |                  |          | 8 l/s                        | 13 l/s | 21 l/s | 29 l/s | 37 l/s | 45 l/s | 53 l/s |
| 40770    | Airbrick Adaptor | 110x54mm | -                            | -      | -      | -      | -      | -      | -      |

\* Fits airbrick 45010

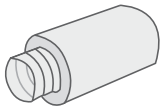
# Ducting - Flexible



## Aluminium Flexible Ducting

Aluminium Flexible Ducting Hose

| Cat. No. | Product Type | Size     |
|----------|--------------|----------|
| 1015     | 380mm        | 100mm/4" |
| 1000     | 1.5 metre    | 100mm/4" |
| 1010     | 3 metre      | 100mm/4" |
| 1016     | 380mm        | 120mm/5" |
| 1011     | 1.5 metre    | 120mm/5" |
| 1012     | 3 metre      | 120mm/5" |
| 1300     | 380mm        | 150mm/6" |
| 1013     | 1.5 metre    | 150mm/6" |
| 1014     | 3 metre      | 150mm/6" |



## Insulated Round Hose

| Cat. No.   | Product Type | Size  |
|------------|--------------|-------|
| INSDUCT102 | 10 metre     | 102mm |
| INSDUCT127 | 10 metre     | 127mm |
| INSDUCT152 | 10 metre     | 152mm |



## Aluminium Laminated Flexible Ducting

Aluminium Flexible Hose

| Cat. No. | Product Type             | Size      |
|----------|--------------------------|-----------|
| 1050     | 102mm Aluduct - 10 metre | 100mm 4"  |
| 1060     | 127mm Aluduct - 10 metre | 125mm 5"  |
| 1070     | 152mm Aluduct - 10 metre | 150mm 6"  |
| 1071     | 200mm Aluduct - 10 metre | 200mm 8"  |
| 1080     | 250mm Aluduct - 10 metre | 230mm 9"  |
| 1090     | 315mm Aluduct - 10 metre | 300mm 12" |



## Rectangular PVC Flexible Ducting

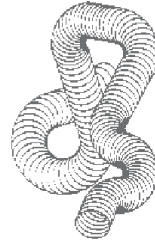
3m Rectangular Flexible Hose

| Cat. No. | Product Type         | Size     |
|----------|----------------------|----------|
| 10212    | 3 metre - 110 x 54mm | 100mm/4" |
| 10255    | 3 metre - 150 x 70mm | 125mm/5" |
| 10252    | 3 metre - 204 x 60mm | 125mm/5" |
| 10263    | 3 metre - 220 x 90mm | 150mm/6" |



## Acoustic Round Duct

| Cat. No.    | Product Type | Size     |
|-------------|--------------|----------|
| SOUNDUCT102 |              | 100mm 4" |
| SOUNDUCT125 |              | 125mm 5" |
| SOUNDUCT150 |              | 150mm 6" |



## PVC Flexible Ducting

PVC Flexible Ducting Hose

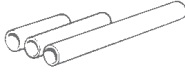
| Cat. No. | Product Type | Size     |
|----------|--------------|----------|
| 3761     | 1 metre      | 80mm/3"  |
| 3763     | 3 metre      | 80mm/3"  |
| 3766     | 6 metre      | 80mm/3"  |
| 37615    | 15 metre     | 80mm/3"  |
| 101025   | 1 metre      | 100mm/4" |
| 1020     | 3 metre      | 100mm/4" |
| 1021     | 3 metre      | 100mm/4" |
| 1024     | 6 metre      | 100mm/4" |
| 1025     | 4 metre      | 120mm/5" |
| 1026     | 5 metre      | 150mm/6" |
| 10410    | 10 metre     | 100mm/4" |
| 10415    | 15 metre     | 100mm/4" |
| 1023     | 45 metre     | 100mm/4" |
| 10251    | 1 metre      | 120mm/5" |
| 5753     | 3 metre      | 120mm/5" |
| 1030     | 4 metre      | 120mm/5" |
| 5756     | 6 metre      | 120mm/5" |
| 10510    | 10 metre     | 120mm/5" |
| 10515    | 15 metre     | 120mm/5" |
| 1068     | 45 metre     | 120mm/5" |
| 10253    | 1 metre      | 150mm/6" |
| 6763     | 3 metre      | 150mm/6" |
| 1040     | 5 metre      | 150mm/6" |
| 6766     | 6 metre      | 150mm/6" |
| 10610    | 10 metre     | 150mm/6" |
| 10615    | 15 metre     | 150mm/6" |
| 8781     | 1 metre      | 200mm/8" |
| 8783     | 3 metre      | 200mm/8" |
| 8786     | 6 metre      | 200mm/8" |
| 87815    | 15 metre     | 200mm/8" |



# Ducting - Round

## Round Pipes - PVC

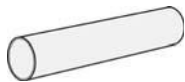
| Cat. No. | Product Type       | Size     |
|----------|--------------------|----------|
| 41350    | 100mm - L350       | 100mm/4" |
| 41500    | 100mm - L500       | 100mm/4" |
| 41900    | 100mm - L1000      | 100mm/4" |
| 41915    | 100mm - L1500      | 100mm/4" |
| 42000    | 100mm - L2000      | 100mm/4" |
| 51350    | 120mm - L350       | 120mm/5" |
| 51500    | 120mm - L500       | 120mm/5" |
| 51900    | 120mm - L1000      | 120mm/5" |
| 51915    | 120mm - L1500      | 120mm/5" |
| 52000    | 120mm - L2000      | 120mm/5" |
| 61350    | 150mm - L350       | 150mm/6" |
| 61500    | 150mm - L500       | 150mm/6" |
| 61900    | 150mm - L1000      | 150mm/6" |
| 61915    | 150mm - L1500      | 150mm/6" |
| 62000    | 150mm - L2000      | 150mm/6" |
| 40420    | 4" Round Pipe clip | 100mm/4" |
| 50520    | 5" Round Pipe clip | 120mm/5" |



## Round Sleeve Pipe

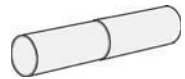
Creates Telescopic Assembly with Round Pipe

| Cat. No. | Product Type           | Size     |
|----------|------------------------|----------|
| SPIPE4   | Round Pipe Sleeve - 1m | 100mm/4" |
| SPIPE5   | Round Pipe Sleeve - 1m | 120mm/5" |
| SPIPE6   | Round Pipe Sleeve - 1m | 150mm/6" |



## Round Pipe Telescopic Assembly

| Cat. No. | Product Type   | Size     |
|----------|----------------|----------|
| TPIPE4   | 250mm to 450mm | 100mm/4" |
| TPIPE5   | 250mm to 450mm | 120mm/5" |
| TPIPE6   | 250mm to 450mm | 150mm/6" |



## Round Pipe Connectors

For use with PVC/Aluminium Ducting

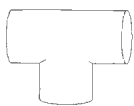
| Cat. No. | Product Type          | Size      |
|----------|-----------------------|-----------|
| 414C     | Connector/PVC         | 100mm/4"  |
| 515C     | Connector/PVC         | 120mm/5"  |
| 616C     | Connector/PVC         | 150mm/6"  |
| 414CD    | Connector with Damper | 100mm/4"  |
| 515CD    | Connector with Damper | 120mm/5"  |
| 616CD    | Connector with Damper | 150mm/6"  |
| 1091     | Connector/Aluminium   | 100mm/4"  |
| 1092     | Connector/Aluminium   | 120mm/5"  |
| 1093     | Connector/Aluminium   | 150mm/6"  |
| 10918    | Connector/Aluminium   | 200mm/8"  |
| 10919    | Connector/Aluminium   | 230mm/9"  |
| 10912    | Connector/Aluminium   | 300mm/12" |



## T piece Connectors

PVC/Aluminium to connect Round Ducting

| Cat. No. | Product Type      | Size      |
|----------|-------------------|-----------|
| 44920    | T Piece/PVC       | 100mm/4"  |
| 44930    | T Piece/PVC       | 120mm/5"  |
| 44940    | T Piece/PVC       | 150mm/6"  |
| 1094     | T Piece/Aluminium | 100mm/4"  |
| 1095     | T Piece/Aluminium | 120mm/5"  |
| 1096     | T Piece/Aluminium | 150mm/6"  |
| 10948    | T Piece/Aluminium | 200mm/8"  |
| 10949    | T Piece/Aluminium | 230mm/9"  |
| 10943    | T Piece/Aluminium | 300mm/12" |



## Y piece Connectors

PVC to connect Round Ducting

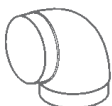
| Cat. No. | Product Type | Size     |
|----------|--------------|----------|
| 44950    | Y Piece/PVC  | 100mm/4" |
| 44960    | Y Piece/PVC  | 120mm/5" |
| 44970    | Y Piece/PVC  | 150mm/6" |



## 90° Bend

Connectors for Round Pipe Systems

| Cat. No. | Product Type      | Size     |
|----------|-------------------|----------|
| 44900    | Connector/PVC/90° | 100mm/4" |
| 55900    | Connector/PVC/90° | 120mm/5" |
| 66900    | Connector/PVC/90° | 150mm/6" |



## 45° Bend

Connectors for Round Pipe Systems

| Cat. No. | Product Type      | Size     |
|----------|-------------------|----------|
| 44450    | Connector/PVC/45° | 100mm/4" |
| 55450    | Connector/PVC/45° | 120mm/5" |

## Threaded Hose Connectors

Hose Connector for Round Pipe system & Flexi Hose

| Cat. No. | Product Type   | Size     |
|----------|----------------|----------|
| 4124M    | 100mm - Male   | 100mm/4" |
| 4126F    | 100mm - Female | 100mm/4" |
| 5124M    | 120mm - Male   | 120mm/5" |
| 5126F    | 120mm - Female | 120mm/5" |
| 6124M    | 150mm - Male   | 150mm/6" |
| 6126F    | 150mm - Female | 150mm/6" |



## Insulated PVC Round Pipe

| Cat. No.  | Product Type       | Size  |
|-----------|--------------------|-------|
| IJRP41915 | 1.5m Length        | 100mm |
| IJRP42000 | 2.0m Length        | 100mm |
| IJRP51915 | 1.5m Length        | 125mm |
| IJRP52000 | 2.0m Length        | 125mm |
| IJRP61915 | 1.5m Length        | 150mm |
| IJRP62000 | 2.0m Length        | 150mm |
| IJ100-1.5 | 1.5m Length Jacket | 100mm |
| IJ125-1.5 | 1.5m Length Jacket | 125mm |
| IJ150-1.5 | 1.5m Length Jacket | 150mm |
| IJ100-2   | 2m Length Jacket   | 100mm |
| IJ125-2   | 2m Length Jacket   | 125mm |
| IJ150-2   | 2m Length Jacket   | 150mm |



## Insulated Bend

| Cat. No. | Product Type        | Size  |
|----------|---------------------|-------|
| IJB44450 | 45° PVC Bend        | 100mm |
| IJB44900 | 90° PVC Bend        | 100mm |
| IJB55450 | 45° PVC Bend        | 125mm |
| IJB55900 | 90° PVC Bend        | 125mm |
| IJB66900 | 90° PVC Bend        | 150mm |
| IJ100-45 | 45° PVC Bend Jacket | 100mm |
| IJ100-90 | 90° PVC Bend Jacket | 100mm |
| IJ125-45 | 45° PVC Bend Jacket | 125mm |
| IJ125-90 | 90° PVC Bend Jacket | 125mm |
| IJ150-90 | 90° PVC Bend Jacket | 150mm |



## Insulated T-Piece

| Cat. No.  | Product Type   | Size  |
|-----------|----------------|-------|
| IJTP44920 | T-Piece        | 100mm |
| IJTP44930 | T-Piece        | 125mm |
| IJTP44940 | T-Piece        | 150mm |
| IJT100    | T-Piece Jacket | 100mm |
| IJT125    | T-Piece Jacket | 125mm |
| IJT150    | T-Piece Jacket | 150mm |



## Round Wall Plate

| Cat. No. | Product Type | Size     |
|----------|--------------|----------|
| 41140    | 154 x 154mm  | 100mm/4" |
| 51140    | 172 x 172mm  | 120mm/5" |
| 51145    | 200 x 200mm  | 150mm/6" |

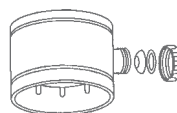


## Condensation Traps

Condensation Trap with Overflow.

| Cat. No. | Product Type       | Size     |
|----------|--------------------|----------|
| 1440*    | Condensation Traps | 110mm/4" |
| 1450     | Condensation Traps | 125mm/5" |
| 1460     | Condensation Traps | 150mm/6" |

\*If using with 100mm ventilation ducting, use adapter 40419.



# Ducting - Accessories



## Flat Channel Clip

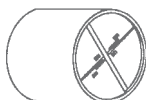
| Cat. No. | Product Type | Size       |
|----------|--------------|------------|
| 41220    | 110 x 54mm   | 110 x 54mm |
| 58220    | 150 x 70mm   | 150 x 70mm |
| 51220    | 204 x 60mm   | 204 x 60mm |



## Duct Support Clip

For use with Flat Channel Ducting

| Cat. No. | Product Type      | Size                  |
|----------|-------------------|-----------------------|
| 60922    | Duct support clip | 220x90mm              |
| 1680     | Duct support clip | 225x25mm/<br>300x25mm |



## In-Line Backdraught Shutter

Can be mounted onto the spigot of the 4" / 5" / 6" XF, SF fans or In-Line in the ducting

| Cat. No. | Product Type                | Size     |
|----------|-----------------------------|----------|
| 1230     | In-Line backdraught Shutter | 100mm/4" |
| 1231     | In-Line backdraught Shutter | 120mm/5" |
| 1232     | In-Line backdraught Shutter | 150mm/6" |



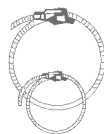
## Intake/Extract Mounting Spigot

| Cat. No. | Product Type                                 | Size  |
|----------|--|-------|
| 1307     | Inline Ducting Connector<br>For WF230 Series | 230mm |
| 13071    | Inline Ducting Connector<br>For WF300 Series | 300mm |



## 4 Way Spigot Adaptor

| Cat. No. | Product Type           | Size  |
|----------|------------------------|-------|
| 1308     | For Manrose 230mm Fans | 230mm |
| 13081    | For Manrose 300mm Fans | 300mm |



## Metal Clamps

Metal Worm Drive Clamps 8mm wide

| Cat. No. | Product Type | Size     |
|----------|--------------|----------|
| 1100     | 50mm - 110mm | 100mm/4" |
| 1110     | 60mm - 165mm | 120mm/5" |
| 1120     | 60mm - 325mm | 150mm/6" |



## Tapes

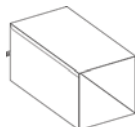
Self Adhesive Tapes

| Cat. No. | Product Type     | Size     |
|----------|------------------|----------|
| 11405W   | PVC Tape - White | 50mmx5m  |
| 1140     | PVC Tape - Grey  | 50mmx10m |
| 1140W    | PVC Tape - White | 50mmx10m |
| 114033W  | PVC Tape - White | 50mmx33m |
| 1130     | Aluminium Tape   | 50mmx45m |



## Roof Cowl Termination Set

| Cat. No. | Product Type           | Size  |
|----------|------------------------|-------|
| 1309     | For Manrose 230mm Fans | 230mm |



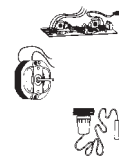
## Extension Sleeve

For walls from 380mm (15") to 533mm (21")

| Cat. No.   | Product Type   |
|------------|----------------|
| COMTK150ES | For 150 Series |
| COMTK230ES | For 230 Series |
| COMTK300ES | For 300 Series |



## Spares



| Cat. No. | Product Type                                    |
|----------|---|
| 1310     | TDI Replacement Timer Boards                    |
| 1320     | HSB Replacement Humidity Timer Board and Sensor |
| 1340     | Replacement Pullcord switches                   |
| 1345     | Extra Long Pullcord switches                    |



## Extra Long Screws (55mm)

| Cat. No. | Product Type   |
|----------|--|
| 1370     | For Fitting Window Fans in double glazed sealed units (3 per pack)                                     |
| 1374     | For Fitting Window Fans in double glazed sealed units for 230mm (9") 300mm (12") double glazing screws |



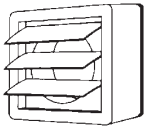


# Ducting - Kits

Wall Outlets available in White, Grey, Brown, Terracotta & Cotswold Stone - Please state colour when ordering.

## Window Vent Kits

| Cat. No. | Product Type   | Size     |
|----------|--|----------|
| 1269     | Window Vent Kit for XF100 Fans Complete with External Backdraught Shutters | 100mm/4" |
| 12691    | As above with Fixed Louvre Grille for XF100A Fans                          | 100mm/4" |
| 1267     | Window Vent Kit for XF120 Fans Complete with External Backdraught Shutters | 120mm/5" |
| 12671    | As above with Fixed Louvre Grille for XF120A                               | 120mm/5" |
| 1268     | Window Vent Kit for XF150 Fans Complete with External Backdraught Shutters | 150mm/6" |
| 12681    | As above with Fixed Louvre Grille for XF150A                               | 150mm/6" |



## Duct Kit

400mm Wall Vent Kit for the WF Series / Aluminium Wall Liner

| Cat. No. | Product Type     | Size      |
|----------|------------------|-----------|
| 1300     | for WF150 Series | 150mm/6"  |
| 1301     | for WF230 Series | 230mm/9"  |
| 1299     | for WF300 Series | 300mm/12" |



## Wall Vent Kits

Kits complete with Aluminium Flexible Ducting & External Wall Grilles in White, Grey, Brown, Terracotta & Cotswold Stone (380mm length)

| Cat. No. | Product Type          | Size      |
|----------|-----------------------|-----------|
| 1270     | XFFK for XF100 range  | 100mm/4"  |
| 1271     | XFFK for XF120 range  | 120mm/5"  |
| 1280     | SVK for XF150 range   | 150mm/6"  |
| 1290     | AVK for XF150A range  | 150mm/6"  |
| 1291*    | SVK for XFS230 range  | 230mm/9"  |
| 1292*    | SVK for XFS 300 range | 300mm/12" |

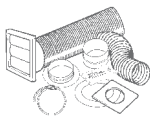


\*Product supplied with Plate Grilles.

## Tumble Dryer Venting Kit

With Gravity Grille

| Cat. No. | Product Type           | Size     |
|----------|------------------------|----------|
| 41703    | Tumble Dryer Kit 100mm | 100mm/4" |



## Indoor Tumble Dryer Vent Kit

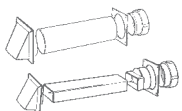
| Cat. No. | Product Type     | Size     |
|----------|------------------|----------|
| 41704    | Tumble Dryer Kit | 100mm/4" |



## Tumble Dryer - Venting Kit

With Cowled Grille

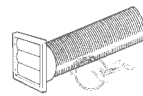
| Cat. No. | Product Type                       | Size     |
|----------|------------------------------------|----------|
| 7207     | Rectangular Tumble Dryer Kit 100mm | 100mm/4" |
| 7208     | Round Tumble Dryer Kit 100mm       | 100mm/4" |



## Cooker Hood - Venting Kit

With Gravity Grille

| Cat. No. | Product Type          | Size     |
|----------|-----------------------|----------|
| 43076    | Cooker Hood kit 100mm | 100mm/4" |
| 43077    | Cooker Hood kit 120mm | 120mm/5" |
| 43078    | Cooker Hood kit 150mm | 150mm/6" |



## High Rise Installation Kit

With Round Cowl Outlet

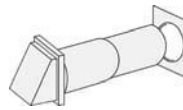
| Cat. No. | Product Type     | Size     |
|----------|------------------|----------|
| 72447    | Round Pipe 100mm | 100mm/4" |



## Telescopic Outlet Set

With Weatherproof Cowl

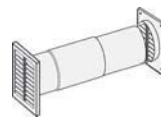
| Cat. No. | Product Type              | Size     |
|----------|---------------------------|----------|
| 7108     | Round Pipe 250mm to 450mm | 100mm/4" |
| 7508     | Round Pipe 250mm to 450mm | 120mm/5" |
| 7608     | Round Pipe 250mm to 450mm | 150mm/6" |



## Telescopic Return Air Box Set

With Fixed Grille

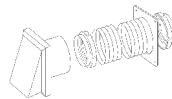
| Cat. No. | Product Type              | Size     |
|----------|---------------------------|----------|
| 7116     | Round Pipe 250mm to 450mm | 100mm/4" |
| 7516     | Round Pipe 250mm to 450mm | 120mm/5" |
| 7616     | Round Pipe 250mm to 450mm | 150mm/6" |



## Weatherproof Cowl Kit

1m Round Hose with Weatherproof Cowl

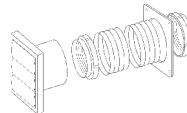
| Cat. No. | Product Type      | Size     |
|----------|-------------------|----------|
| 7202     | 1m Round Hose kit | 100mm/4" |
| 7203     | 1m Round Hose kit | 120mm/5" |
| 7204     | 1m Round Hose kit | 150mm/6" |



## Gravity Grille Kit

1m Round Hose with Gravity Grille

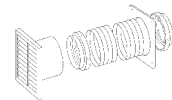
| Cat. No. | Product Type      | Size     |
|----------|-------------------|----------|
| 7205     | 1m Round Hose kit | 100mm/4" |
| 7216     | 1m Round Hose kit | 120mm/5" |
| 7217     | 1m Round Hose kit | 150mm/6" |



## Fixed Grille Kit

1m Round Hose with Fixed Grille

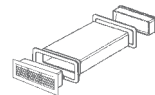
| Cat. No. | Product Type      | Size     |
|----------|-------------------|----------|
| 7218     | 1m Round Hose kit | 100mm/4" |
| 7215     | 1m Round Hose kit | 120mm/5" |
| 7220     | 1m Round Hose kit | 150mm/6" |



## Rectangular Return Air Box

With Fixed Louvre Grille

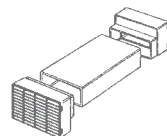
| Cat. No. | Product Type      | Size     |
|----------|-------------------|----------|
| 7511     | Rectangular 400mm | 204x60mm |



## Rectangular Return Air Box

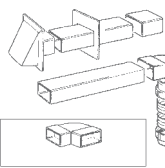
With Airbrick Outlet

| Cat. No. | Product Type                        | Size     |
|----------|-------------------------------------|----------|
| 7917     | with High performance 400mm Ducting | 204x60mm |



# Ducting - Kits & Radial Systems

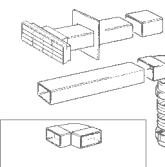
Wall Outlets available in White, Grey, Brown, Terracotta & Cotswold Stone - Please state colour when ordering.



## Flat Channel Ducting Kit

With Weatherproof Cowl and Horizontal Bend

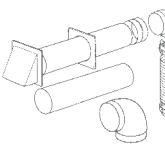
| Cat. No. | Product Type  | Size     |
|----------|---|----------|
| 7212     | 3m Flat Channel Ducting Kit                                 | 100mm/4" |
| 7214     | 3m Flat Channel Ducting Kit with additional horizontal bend | 100mm/4" |



## Flat Channel Ducting Kit

With Airbrick Outlet and Horizontal Bend

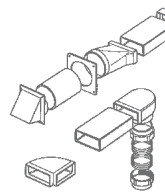
| Cat. No. | Product Type  | Size     |
|----------|---|----------|
| 7227     | 3m Flat Channel Ducting Kit                                 | 125mm/5" |
| 7219     | 3m Flat Channel Ducting Kit with additional horizontal bend | 125mm/5" |



## Round Pipe Ducting Kit

With Cowl and 90° Bend

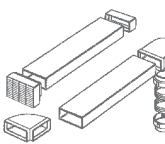
| Cat. No. | Product Type  | Size     |
|----------|---|----------|
| 72605    | 3m Round Pipe Ducting Kit                                     | 150mm/6" |
| 72607    | 3m Round Pipe Ducting Kit with additional horizontal 90° bend | 150mm/6" |



## High Performance Ducting Kit

Flat Channel Ducting Kit

| Cat. No. | Product Type                                     | Size     |
|----------|--|----------|
| 72650    | 3m Flat Channel Ducting Kit with Cowl and Outlet | 150mm/6" |



## High Performance Ducting Kit

Flat Channel Ducting Kit

| Cat. No. | Product Type                                   | Size     |
|----------|--|----------|
| 72653    | 3m Round Pipe Ducting Kit with Airbrick outlet | 150mm/6" |



## 90° Valve Elbow - Radial System

To connect the Circular Pipe to a supply or extract diffuser

| Cat. No. | Product Type    | Size  |
|----------|-----------------|-------|
| VE75     | 90° Valve Elbow | 75mmØ |
| VE90     | 90° Valve Elbow | 90mmØ |



## Circular Pipe - Radial System

For installation in concrete ceilings, suspended ceilings, installation walls, risers or frames

| Cat. No. | Product Type      | Size  |
|----------|-------------------|-------|
| SR7550   | Circular Pipe 50m | 75mmØ |
| SR9020   | Circular Pipe 50m | 90mmØ |



## Outlet Manifold - Radial System

To control the distribution of Circular Pipe and also to precisely regulate the airflow to each room

| Cat. No.   | Product Type                   |
|------------|--------------------------------|
| MANIFOLD5  | Outlet Manifold 5 connections  |
| MANIFOLD10 | Outlet Manifold 10 connections |



## Reducer - Radial System

| Cat. No.  | Product Type           |
|-----------|------------------------|
| RFM160150 | 160mm (F) to 150mm (M) |



## Manifold Coupling - Radial System

To connect the Circular Pipe to the Manifold Outlet

| Cat. No. | Product Type      | Size  |
|----------|-------------------|-------|
| MC75     | Manifold Coupling | 75mmØ |
| MC90     | Manifold Coupling | 90mmØ |



## End Plug - Radial System

| Cat. No. | Product Type | Size  |
|----------|--------------|-------|
| EP75     | End Plug     | 75mmØ |
| EP90     | End Plug     | 90mmØ |



## O-Ring - Radial System

| Cat. No. | Product Type | Size  |
|----------|--------------|-------|
| OR75     | O-Ring       | 75mmØ |
| OR90     | O-Ring       | 90mmØ |



## Circular Extract Diffuser

| Cat. No. | Product Type              | Size   |
|----------|---------------------------|--------|
| 1251M    | Circular Extract Diffuser | 125mmØ |



## Circular Supply Diffuser

| Cat. No. | Product Type             | Size   |
|----------|--------------------------|--------|
| 1251MIT  | Circular Supply Diffuser | 125mmØ |



## Single Spigot Adaptor

| Cat. No. | Size          |
|----------|---------------|
| SSA75    | 220x90 to 78Ø |



## Double Connector Plate

| Cat. No. | Size          |
|----------|---------------|
| DCP75    | 220x90 to 78Ø |



## Single Connector Plate

| Cat. No. | Size          |
|----------|---------------|
| SCP75    | 220x90 to 78Ø |



## Blank Plate

| Cat. No. | Size   |
|----------|--------|
| BP220    | 220x90 |



## Reducer

| Cat. No. | Size       |
|----------|------------|
| RR75     | 120 to 78Ø |

