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FAN & DUCTING CATALOGUE 2005 2006

MODULAR VENTILATION SYSTEMS

...the complete solution

CONTENTS

DOMUS - THE COMPLETE SOLUTION

FEATURES OF THE DOMUS VENTILATION RANGE

All products are:

- Independently tested for performance and safety
- Adhere to the relevant Building Regulations
- Manufactured to strict quality control procedures
- Use recycled materials wherever possible
- Designed with ease of installation in mind
- Suitable for a variety of applications

Domus offers:

- An ever expanding and improving range
- Excellent technical support

Domus Ventilation Limited offers the complete solution to modern ventilation requirements.

Domus has a long and distinguished record of providing effective ducting systems to channel unwanted air from buildings to alleviate the problems caused by moisture and indoor pollutants. To complement the comprehensive range of ducting, Domus also has a range of quality, high performance domestic extractor fans. Together these products provide the most effective way of meeting the demands of the Building Regulations.

Domus systems are ideal for the ventilation of domestic kitchens and bathrooms and light industrial and commercial premises.

Domus is seen as an invaluable source of advice and information on all aspects of choosing and installing an appropriate ventilation system. It is this, together with manufacturing bases in Britain and Poland, that has enabled Domus to become a global name in ventilation.

With fans and ducting both manufactured by one source, Domus can offer a complete 'one stop' solution to today's domestic ventilation requirements.

VENTILATION CONSIDERATIONS

Effective ventilation is now a primary consideration in the design and construction of all buildings.

Greater use of sealed heating systems, double glazing, and increased insulation combined with the moisture created in kitchens and bathrooms, makes efficient ventilation a high priority.

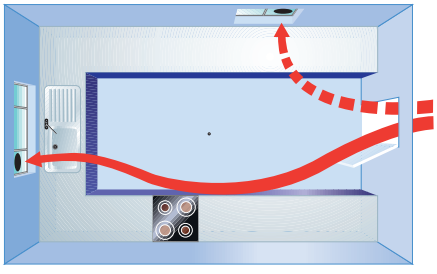
There are many issues facing the designer of ventilation installations in today's buildings. They include: the assessment of correct extraction rates, the power and correct siting of the extractor, establishing the source of return air, whilst taking into account energy saving issues and the correct choice of ducting through which air must efficiently flow.

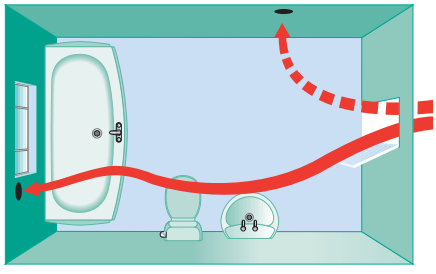
WHERE TO SITE YOUR FAN

One of the main problems that can reduce the efficiency of an extractor fan is poor siting. There are a number of basic rules that can be applied in order to ensure that a fan is correctly sited:

Rules

- Always install the fan in the furthest window, wall or ceiling from the main air inlet point and at a high level. This will ensure maximum airflow of fresh air throughout the whole room.
- Always ensure that there is sufficient provision for replacement fresh air into the room by using internal grilles in the door, ceiling or wall.
- If installing a fan in a room containing a fuel-burning device which has a non-balanced flue, there must be sufficient replacement air to prevent fumes being drawn down the flue when the fan is on maximum extract. (See BS 5440 & Building Regulations for specific requirements.)
- Exhaust air must not be discharged into a flue used for exhausting fumes from appliances supplied with energy other than electricity. When deciding the method for exhaust air discharge and intake flow rates, the requirements of all relevant authorities must be strictly adhered to.
- Do not site fans where temperatures are likely to exceed 40°C.
- Wiring should be carried out in accordance with current IEE Regulations (UK) or standards of the country in question.
- Ensure that the instructions provided are followed during installation, with particular care taken to check the supply voltage, fuse rating and wiring are correct.
- IEE regulations require mains voltage fans to be positioned out of arms reach of the person using the bath or shower. i.e. Outside zone 0,1 or 2 as stated in amendment 3 of B7671:1992. Mains voltage fans and controls should also be sited away from potential water spray.
- Always use an In-line Duct or Safety Extra Low Voltage (SELV) fan to ventilate a shower cubicle (zone 1). The mains voltage transformer control unit with SELV output must be positioned away from any potential water spray and out of arms' reach (outside of zone 0, 1 or 2) of the person using the bath or shower.
- If the duct passes through an unheated roof void the duct should be insulated to reduce the formation of condensation. A vertical duct should also be installed with a weatherproof roof cowl of sufficient free area for the air volume. A condensation trap must be fitted in order to release the condensation build up. Horizontal ducts should fall away from the fan unit.
- If the duct passes through a fire compartment wall, a Domus FireBrake must be used to maintain the integrity in accordance with B3 Building Regulations of 2000 and 2002.





The solid red arrow shows correct airflow

UNDERSTANDING ZONES

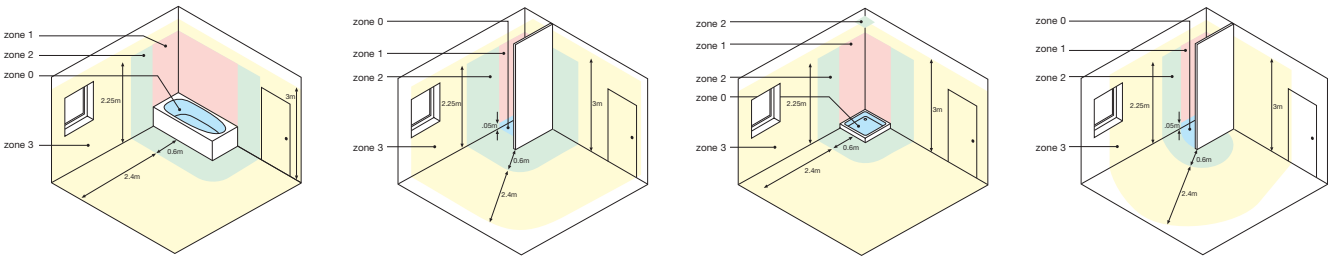
When siting a fan, consideration also needs to be given to the positioning of the fan in relation to electrical wiring.

Zone 0 is defined as the interior of the bath or shower tray.

Zone 1 is defined as the upper plane of Zone 0 and the horizontal plane 2.25 metres above the floor. The area below the bath is also defined as Zone 1 if it is accessible without the use of a tool. Fans to be fitted in Zone 1 must be IPx4 rated and protected by an additional circuit breaker or Safety Extra Low Voltage (SELV) fans.

Zone 2 extends horizontally 0.6 metres from the edge of Zone 1 and to a height of 2.25 metres from floor level. Zone 2 also extends above Zone 1 vertically between 2.25 metres to 3.0 metres or ceiling height, whichever is the lowest. Once more, fans fitted in this Zone must be IPx4 rated or SELV.

Zone 3 extends horizontally from Zone 2 by 2.4 metres and 2.25 metres above floor level. This Zone also extends above Zone 2 vertically between 2.25 metres or 3.0 metres or ceiling height, whichever is the lowest.



BUILDING REGULATIONS

Since 1990 the UK Building Regulations have recognised the importance of ventilation in domestic dwellings, with the publication of Document F1 and from this date all new buildings and approved extensions must make provision for ventilation in kitchens, utility rooms, bathrooms, shower rooms and WCs.

Domus has always advocated the need for ventilation in order to create a healthier living environment. The products shown in this catalogue all exceed the current revision (1995) of the UK Building Regulations when used in the correct application.

The recommended extract rate for a domestic kitchen is 60 l/s, that can be reduced to 30 l/s if a cooker hood is used or the extract fan is over the hob. Utility rooms if accessible from inside the dwelling: 30 l/s; bathrooms and shower rooms: 15 l/s and separate WCs: 6 l/s. In addition, if any of the rooms have non-openable windows, the extract fan must incorporate a timer capable of a 15 minute overrun.

Room	Rapid ventilation	Background ventilation	Extract ventilation fan rate or passive stack (PSV)
Habitation room	Window equivalent to 1/20th of floor area	8000mm²	–
Kitchen	Open window (no minimum size)	4000mm²	30 l/sec adjacent to a hob or 60 l/sec elsewhere or (PSV)
Utility room	Open window (no minimum size)	4000mm²	30 l/sec or (PSV)
Bathroom	Open window (no minimum size)	4000mm²	15 l/sec or (PSV)
Sanitary accommodation	Window equivalent to 1/20th of floor area	4000mm²	Mechanical extraction at 6 l/sec
Room without windows	–	–	Mechanical extraction as above with 15min overrun

The table summarises the requirements that the F1 Building Regulations place on the efficient ventilation of rooms. Although this table applies specifically to England, Wales and (since December 1999) Scotland, it can be applied as a general guide for most countries, although climatic conditions may have an effect on the requirements.

FAN SELECTION

The extraction rates recommended by the UK Building Regulations should be seen as the minimum requirement. A more accurate method of calculating the optimum rate, or if the room to be ventilated is not covered by the Regulations, is as follows:

1. Measure the length, breadth and height of the room (in metres) and multiply them together to obtain the room volume in cubic metres.

2. Multiply the room volume by the recommended number of air changes per hour, shown on the table, to achieve the extract rate of the fan in m^3/hr.

3. Select a fan with a duty the same as, or exceeding, the calculated extract rate.

eg: Bathroom 2.5m x 2m x 2.3m x 8 ach = 92m^3/hr.

Fan selected: T1/T1R extracting 94m^3/hr.

Room	Air changes per hour	Room	Air changes per hour
Bathrooms	6 - 8	Launderettes	10 - 15
Bedrooms	2 - 4	Laundries	10 - 15
Billiard Rooms	6 - 8	Lecture Theatres	6 - 10
Cafes and Coffee Bars	10 - 15	Libraries	3 - 4
Canteens	8 - 12	Living Rooms	4 - 6
Cellars	3 - 10	Offices	4 - 6
Club Rooms	8 - 10	Photo and X-ray Darkrooms	6 - 8
Conference Rooms	6 - 10	Public House Bars	6 - 8
Entrance Halls, Corridors	3 - 5	Restaurants	10 - 15
Factories and Workshops	6 - 10	School rooms	8.3 l/s/Person
Garages	6 - 10	Shops and Supermarkets	8 - 10
Gymnasiums	6	Shower/Bathrooms	15 - 20
Hairdressing Salons	10 - 15	Stores and Warehouses	3 - 6
Hotel Bars	6 - 10	Toilets (Public)	5+ or 6 l/s/Pan
Kitchens - Domestic	10 - 15	Toilets (Domestic)	6 - 10
Laboratories	4 - 15	Utility Rooms	15 - 20

PROBLEMS AND SOLUTIONS

Ensuring air quality of the highest standard significantly reduces the problems caused by damp, condensation and unwanted smells that may prove a risk to the inhabitants or structure of a building.

Inadequate ventilation can cause many problems:

- Condensation.
- Dampness and potential mould growth.
- Unwanted kitchen smells throughout the house.
- Old and stale air remaining in the building resulting in a lack of new, fresh and healthy air.

These problems create a building that has an unpleasant living environment. However, appropriate action can be taken.

- Always turn the fan on before bathing, taking a shower or cooking.
- Always close internal doors leading to other parts of the building.
- Always allow a buffer zone after bathing, showering or cooking by keeping the fan turned on for a short period of time.
- Always fit the correct size of ducting to ensure maximum performance of the fan.

The following pages are designed to give guidance on general ventilation ducting installation.

CHOOSING AND INSTALLING THE CORRECT DUCTING

Because it is normally hidden, a ducting system is often not considered an important part of the construction or refurbishment of a building. However, the importance of the correct ducting is slowly becoming recognised by the building industry.

It is not always the fault of the cooker hood/fan manufacturer when dreams of fresh rooms and low noise fans are not achieved. It can often be that the wrong size or configuration of ducting has been selected by the installer or system designer.

As it cannot be seen, air movement is often made more complicated than it actually is. Air moves just as water moves and it is sometimes useful to visualise a problem by substituting air with water.

In ventilation installations the aim is normally to move the air from its source to the outside of the house as efficiently and quietly as possible. It is, therefore, common sense that to do this effectively, the shorter the distance the air has to travel, the quicker the aim is achieved. It is also common sense that if an obstacle is put in the way, such as a bend, the process will become more difficult as the air will lose its momentum and may require more powerful assistance in order to achieve the aim.

Extractor fans vary in power just as cars do and the results are reflected in much the same way. A high performance/specification car should be quieter, last longer and generally provide the driver with more comfortable and satisfactory results. However, to ensure this, the car needs a straight smooth road on which to travel effectively. The road for the air to travel when using an extractor fan is the ducting. Again, it is common sense that a more powerful fan would need a more efficient duct - a Rolls Royce owner would not consider driving their car in off-road conditions! It is worth remembering that many cooker hood manufacturers' guarantees will be invalidated it the correct size of ducting is not used to match the power of the hood.

A few key installation guidelines can be applied to help ensure that the ducting selection is correct and installed in a way that optimises the extractor's performance.

- Choose the shortest and most direct route to the outside or the point where the air is to be released. Do not expect too much of your extraction unit - try blowing at a friend 3 or 4m away and see if they can feel anything!
- Ensure that bends are kept to a minimum.
- Check the extraction capability and connection size of the fan and choose an appropriate size duct. Refer to the fan manufacturer for performance ratings.
- Air travels better through a round duct, as the air will travel at a lower speed, resulting in less turbulence, vibration, noise and energy loss. However, the installation space available may prevent this ideal.
- A rigid duct is more efficient than a flexible duct and should be used when possible.
- If flexible hose is used, the hose should remain taut and as straight as possible.
- Special consideration should also be given to the selection of the wall terminal and the use of back draft dampers, as these also increase air resistance.
- Refer to the F1 Building Regulations (see pages 3 and 4).

In principle, the actual installation may mean that all the above points cannot be adhered to, but Domus has the products to provide the best solution.

TYPES OF DUCTING

Round Pipe Ducting

A round duct provides optimum airflow performance and should be used if installation space allows. Domus has a selection of bends and adapters to meet most installation requirements.

Rectangular Ducting (Flat Channel)

Rectangular or flat channel ducting is an excellent alternative when space is restricted. Its low profile enables the ducting to be easily concealed in the ceiling void or along the top of wall units. Domus has a selection of bends and adapters to meet most installation requirements.

Flexible Hose Ducting

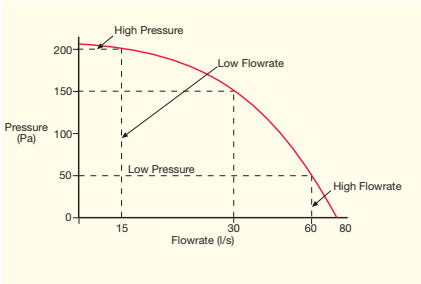
Flexible hose is available in round and rectangular form, to complement the rigid systems. It provides a solution to overcome awkward situations where a rigid system cannot be installed. Flexible hose is most effective for slow moving air, such as with tumble dryers, but can be used with higher volume appliances (with due care taken to ensure that its use is limited and that the hose is kept as taut and straight as possible).

UNDERSTANDING DUCTING PERFORMANCE FIGURES

As has already been explained, the performance of the fan is dependent on the performance capability of the fan itself, the size of the duct, the ducting configuration and the type of wall terminal installed.

Each ducting run can be planned in advance and its performance levels evaluated so it can be ascertained if the desired installation will meet the required level.

Technical data is available for the extractor fan/cooker hood installer or system designer in order to achieve the optimum overall extraction rate. This data highlights how much pressure (measured in Pascals) is generated in the ducting run and will show if the required airflow rate can be achieved.



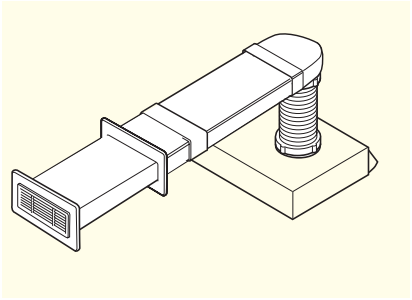
The diagram above shows a typical pressure-flowrate curve for an extractor fan or cooker hood (flow rate information should be available from the fan/cooker hood manufacturer). The information it contains is obtained by a series of laboratory measurements starting with free flow at zero pressure, then, by steadily increasing the pressure that the fan has to operate against, the volume flow and pressure at each point is derived in order to plot the curve.

As detailed in the diagram, in order to achieve the current UK Building Regulation flow rate requirement for a kitchen of 60 l/s (or 216 m^3/hr, 30 l/s or 108 m^3/hr, for a hood within 300mm of hob centreline), the maximum duct system resistance when using this particular cooker hood can be no greater than 150 Pascals (Pa). Therefore, it can be readily seen that by reducing the resistance of the duct system, the extract performance of the fan or cooker hood is increased. Furthermore, it can be stated that a ducting system with a ***low resistance*** is a duct system with a ***good performance.***

The performance of a ducting system is greatly affected by both the overall length of the ducting, the number of bends contained within it and the type of outlet. The total resistance of the duct system can be calculated by simply adding up the resistance of each component. Each product within the Domus range has a measured resistance value for the three UK Building Regulation flow rates. These figures are detailed within the ducting system sections of this catalogue, against each component.

Note: For every extractor fan or cooker hood installation, provision should be made for make-up or return air. In most dwellings this is catered for by natural leakage. However, some high performance products may require the installation of an air supply set (see page 37-38).

The following is a calculation example using the typical ducting layout shown in the diagram.



Therefore the airflow performance of the cooker hood connected should exceed 39 Pa @ 30 l/s.

System Configuration (as kit 227)

Product	Description	Resistance (Pa) @ 30 l/s
2 x 510	1m Flat Channel (2 off)	3.0
1 x 520	Flat Channel Connector	0.4
1 x 541	Elbow Bend with 125mm Spigot	11.1
1 x 561	125mm Flexible Hose, 1m	0.7*
1 x 501	Airbrick with Damper	23.8
	Total	39.0

** Based on a 1m length of 125mm pipe, presuming that the hose is pulled taut.*

Within the Ducting section, in order to encourage good practice (for guidance only) each system is supported with an icon depicting the application for which it is suited.

TECHNICAL ADVICE

Domus offers expert technical advice on all ventilation installations and has individual dimensioned drawings available on request.

SALES HELPLINE 01799 540602

www.domusventilation.com

DUCTING

THE PLEDGE OF QUALITY AND SAFETY

Domus ducting products are manufactured to the highest standards using the latest production techniques and equipment to ensure a consistently high quality product that is safe to install.

- All Domus system parts, flat channel and pipes are made from flame retardant self extinguishing materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Manufactured to strict quality control procedures
- Wall outlets are made with UV stabilised materials to reduce colour fade
- Airbricks meet British Standard BS493
- Non corrosive products ensure durability
- Push-fit lightweight product saves time in installation and reduces careless accidents and the need for special tools
- Robust packaging protects the products
- Domus is a member of a BS EN ISO 9002 registered group
- Products are independently tested by BSRIA for airflow performance

PRODUCT CODES/PACKAGING TYPE

The product codes throughout this catalogue are shown as either a Boxed or Prepacked option. This refers to the type of packaging that the product will be supplied in.

Boxed

Prepacked

ICONS

To assist in selection, icons are used throughout this catalogue. These are used to indicate the room that is best suited to the particular product.

ROOM LOCATIONS

- toilet
- kitchen
- shower
- utility room
- bathroom
- whole house

OUTLETS, GRILLES AND VENTILATORS

- Available with round spigots or rectangular sockets to fit all Domus ducting systems
- Various types for different applications
- External and internal options
- Choices for the wall, ceiling and roof
- Manufactured with UV stable materials to reduce colour fade
- Airbricks meet British Standard BS493
- Choice of colours
- Excellent air flow performance
- Easy to install

Domus manufacture a wide range of ventilation terminals to either let air in or out. Wall outlets are available with round spigots in 100, 125 and 150mm dia. or with rectangular sockets to connect to all Domus ducting systems and fans.

Domus provide options for internal or external use on the wall, ceiling or roof. There are various choices for different situations.

Gravity Flap Outlets are designed to provide a back draft barrier, but are not recommended for use in exposed locations.

Louvred Grilles can be used internally and externally are available with or without a flyscreen and provide excellent airflow performance.

Cowled Outlets supply exceptional protection against the effects of high winds and driving rain and include a damper flap to help reduce back drafts.

High Rise Round Cowled Outlets save time and money when installing on an upper floor or in a high rise building. This outlet can be installed from the inside out negating the need for dangerous ladders and scaffolding.

Brick Size Outlets are designed to fit in the wall and form part of the brick work. They can be used internally and externally.

Air Valves for both extract and supply are available and are particularly useful to achieve a balanced airflow.

All are designed to provide optimum airflow performance and for easy installation. They are manufactured in high quality impact resistant polystyrene. Pressure loss figures detailed in the product listings are exhaust rates, except in a few instances where an intake figure is also shown.

Most are available in four colours to complement common wall finishes and are made with UV stable materials to reduce colour fade.

Also available is a selection of ventilators for doors, worktops and plinths.

WALL OUTLET COLOURS

W = White

B = Brown

C = Beige (Cotswold Stone)

T = Terracotta

100MM (4") WALL OUTLETS

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Airflow area mm²	Pressure loss.pa 15 l/s	Pressure loss.pa 30 l/s	Pressure loss.pa 60 l/s	System 100	PolyVent 225	EasiPipe/ThermaPipe 100	100mm Round Flexi Hose	100mm Rect. Flexi Hose
	**4900**	**44910***	Wall Outlet with Gravity Flaps	154 x 154	○ 100	7200	9.2	10.8	11.4	✓†	✓‡	✓	✓	
	4901	**44910***	Wall Outlet with Gravity Flaps □ ■ ■ ■	154 x 154	▬ 110 x 54	5770	13.2	11.0	11.8	✓				✓
	**4902**	**44932***	Cowled Wall Outlet with Damper	154 x 154	○ 100	7230	6.7	12.5	41.6	✓†	✓‡	✓	✓	
	4903	**44932***	Cowled Wall Outlet with Damper □ ■ ■ ■	154 x 154	▬ 110 x 54	5800	6.1	16.7	68.2	✓				✓
	**4904**	**n/a**	Louvred Grille	154 x 154	○ 100	6500	2.0	7.9	30.4	✓†	✓‡	✓	✓	
	F4904	**44954***	Louvred Grille with Flyscreen *as intake*	154 x 154	○ 100	5850	9.9 *6.7*	37.1 *25.6*	138.7 *97.1*	✓†	✓‡	✓	✓	
	4905	**n/a**	Louvred Grille	154 x 154	▬ 110 x 54	5500	4.1	15.9	61.6	✓				✓
	F4905	**44954***	Louvred Grille with Flyscreen □ ■ ■ ■	154 x 154	▬ 110 x 54	4950	20.0	75.9	288.2	✓				✓
	**4994**	**n/a**	Louvred Grille with Internal Damper □ ■ ■ ■	154 x 154	○ 100	5125	19.8	36.6	96.0	✓†	✓‡	✓	✓	

▬ ● = internal dimension ○ = outer dimension

* Prepacks include both round spigot and rectangular socket and are only available in white and brown

† With adapter ref 070. See page 16

‡ With adapter ref 2005. See page 23

125MM (5") WALL OUTLETS

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Airflow area mm²	Pressure loss.pa 15 l/s	Pressure loss.pa 30 l/s	Pressure loss.pa 60 l/s	Supertube 125	EasiPipe/ThermaPipe 125	125mm Round Flexi Hose
	**5900**	**n/a**	Wall Outlet with Gravity Flaps □ ■ ■ ■	200 x 200	○ 125	11200	6.7	9.9	12.7	✓†	✓	✓
	**5902**	**n/a**	Cowled Wall Outlet with Damper □ ■ ■ ■	200 x 200	○ 125	11500	5.8	7.7	13.1	✓†	✓	✓
	**5904**	**n/a**	Louvred Grille	200 x 200	○ 125	11500	0.6	2.1	7.7	✓†	✓	✓
	F5904	**n/a**	Louvred Grille with Flyscreen □ ■ ■ ■	200 x 200	○ 125	9200	2.0	7.1	24.6	✓†	✓	✓
	**500**	**n/a**	Louvred Grille with Internal Damper □ ■ ■ ■	183 x 195	○ 125	6600	19.8	32.4	73.2	✓†	✓	✓

† With adapter ref. 570. See page 19 ○ = outer dimension

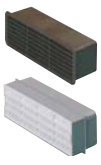
150MM (6") WALL OUTLETS

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Airflow area mm²	Pressure loss.pa 15 l/s	Pressure loss.pa 30 l/s	Pressure loss.pa 60 l/s	MegaDuct 220	EasiPipe/ThermaPipe 150	150mm Round Flex Hose		
	**6900**	**n/a**	Wall Outlet with Gravity Flaps	200 x 200	○ 150	16000	5.9	8.5	11.4	✓†	✓	✓		
	**6902**	**n/a**	Cowled Wall Outlet with Damper	200 x 200	○ 150	16500	5.3	8.0	14.5	✓†	✓	✓		
	**6904**	**n/a**	Louvred Grille	200 x 200	○ 150	16500	0.5	1.8	6.3	✓†	✓	✓		
	F6904	**n/a**	Louvred Grille with Flyscreen	200 x 200	○ 150	13200	1.6	5.2	17.4	✓†	✓	✓		

○ = outer dimension
† = with adapter ref. 970 and ref. 135-6 (See pages 21 and 29)

BRICK SIZE OUTLETS

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Airflow area mm²	Pressure loss.pa 60 l/s	Pressure loss.pa 120 l/s	Pressure loss.pa 180 l/s	System 100	Supertube 125	MegaDuct 220	PolyVent 225	PolyVent 300	EasiPipe 100/125/150
	**905**	**n/a**	Double Airbrick	245 x 141	227 x 133	15175	14.8	61.1	103.3		✓‡	✓*			
	**977**	**n/a**	Double Airbrick Adapter *with 905 & 225mm of MegaDuct* *with 905 & 1.5m of MegaDuct*	227 x 133	¹ 227 x 133 ² 220 x 90 -	- - -	- 20.8 6.28	- 75.1 22.1	- 173.0 51.8			✓			
	**954**	**n/a**	Double Airbrick Adapter to Round Pipe (100, 125 & 150mm) (complete length 260mm)	235 x 150	227 x 133 ○ 100 ○ 125 ○ 150	-	-	-	-						✓

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Airflow area mm²	Pressure loss.pa 15 l/s	Pressure loss.pa 30 l/s	Pressure loss.pa 60 l/s	MegaDuct 220	EasiPipe/ThermaPipe 150				
	**501**	**n/a**	Horizontal Louvred Airbrick with Damper	222 x 69	200 x 56	6450	16.4	23.8	75.8	✓†	✓				
	505	**40505**	Horizontal Louvred Airbrick	204 x 60	204 x 60	5500	7.2	27.8	108.1	✓†	✓				
	507	**n/a**	Vertical Louvred Airbrick	65 x 210	60 x 204	6300	5.1	21.0	80.0	✓†	✓				
	**077**	**40077**	Airbrick Adapter (to System 100)	204 x 60	-	-	1.2	4.7	17.8	✓					
	073	**n/a**	Round to Single Airbrick Adapter (length 245mm) *(not shown)*	204 x 60	○ 100	-	4.13	16.83	68.66	✓					✓
	**2009**	**n/a**	Extended Horizontal Airbrick	210 x 65	234 x 29	5500	7.7	29.9	115.8				✓		
	3009	**n/a**	Extended Horizontal Airbrick length 300mm	210 x 65	100	5500	8.5	33.5	132.2					✓	

† Using airbrick adapter ref. 077
* Using airbrick adapter ref. 977
‡ Using adapters 977 & 957 (See page 21)

▭ = internal dimension ▭ = outer dimension

OUTLETS, GRILLES AND VENTILATORS

BRICK SIZED OUTLETS CONT.

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Airflow area mm²	Pressure loss.pa 15 l/s	30 l/s	60 l/s	System100	Supertube 125	PolyVent 225/300	100mm Round Duct/Flex	125mm Round Duct/Flex	150mm Round Duct/Flex
	**2016**	**n/a**	Airbrick Adapter for PolyVent 225	210 x 65	▭ 234 x 29	5500	7.7	29.9	115.8			◆			
	3016	**n/a**	Airbrick Adapter for PolyVent 300 length 300mm	210 x 65	▭ 308 x 29	5550	8.5	33.5	132.2			❖			
						Figures shown are with 2316 fascia inserted.									
	**2316**	**n/a**	Airbrick Fascia (fits into PolyVent Airbrick Adapters 2016/3016)	208 x 65	▭ 205 x 62	-	-	-	-			✓			

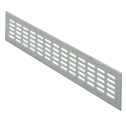
◆ PolyVent 225 ❖ PolyVent 300

100, 125, 150MM GRILLES

	**4804**	**44804***	Round Louvred Grille	123 dia.	○ 100	4200	13.3	53.0	211.2	✓		✓†	✓		
	F4804	**F44804***	Round Louvred Grille with Flyscreen □ ■ ■ ■	123 dia.	○ 100	3350	21.5	86.4	346.5	✓		✓†	✓		
	**4906**	**44906**	Multidirectional Internal Louvred Grille	154 x 154	○ 100	5330	3.8	14.6	56.2	✓		✓	✓		
			as intake				7.4	28.9	113.8						
	5906	**n/a**	Multidirectional Internal Louvred Grille	175 x 175	○ 125	8040	1.6	6.0	22.0		✓‡			✓	
			as intake				2.9	11.0	40.8						
	6906	**n/a**	Multidirectional Internal Louvred Grille	200 x 200	○ 150	10700	0.6	2.6	10.4						✓
			□ *as intake*				1.7	6.1	22.9						

* Prepacks only available in white and brown ‡ With adapter ref 570. See page 19 † PolyVent 225 only with adapter ref. 2005. See page 23

VENTILATORS

	**793**	**40793**	Louvre	271 x 95	-	8800	Screws directly over hole in wall. For internal or external use. Provides exceptionally high airflow.
	796	**40796**	Louvre □	271 x 171	-	17760	
	**893**	**40893**	Open n Shut Grille	271 x 95	-	4330	Screws directly over hole in wall. For internal or external use. Airflow can be controlled by the occupant.
	896	**40896**	Open n Shut Grille □	271 x 171	-	8490	
	**145**	**40145**	Internal Door Ventilator □ ■	456 x 92	Cutout size 430 x 77	15300	For internal or external use. Allows air movement between rooms, especially useful for bathrooms and kitchens where extraction appliances necessitate air replacement from other areas.
	**146**	**n/a**	Plinth Ventilator □ MB SD CH	456 x 75	Cutout size 446 x 64	22300	Fits to the plinth to allow ventilation to built in appliances, such as fridges and freezers and stop overheating. Large louvres provide excellent airflow and convenient ratchet fittings ensure effective concealed installation.
	**148**	**n/a**	Worktop Ventilator □ ■ BS A	478 x 79	Cutout size 464 x 66	8500	Connects into the worktop to allow ventilation to cupboards and built in/under appliances.

▭ ○ = outer dimension MB = Medium brown SD = Sand CH = Charcoal BS = Brass A = Aluminium

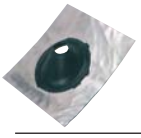
HIGH RISE OUTLET & KIT

Product	Code Boxed	Code Prepack	Description	Dimensions mm Overall	Dimensions mm Fitting	Notes
	**4802** **6802**	**n/a** **n/a**	100mm Round Cowled Outlet 150mm Round Cowled Outlet □ ■ ■	- -	○ 100 ○ 150	Stylish and discreet alternative to standard cowled wall outlet. Airflow area 3500mm² for the 100mm and 7100mm² for the 150mm.
	**2447** **2647**	**n/a** **n/a**	High Rise 100mm Round Cowl Installation Kit High Rise 150mm Round Cowl Installation Kit □ ■ ■	- -	● 100 (Pipe end) ● 150 (Pipe end)	Designed for installation from the **inside** of a building. Ideal for installations in upper floors. Kit contains: 1 x Round Cowl, 1 x Rubber Sealing Gasket, 1 x 350mm length of 100mm pipe or 150mm pipe and 1 x Wall Plate. Pressure loss figures: 100mm @ 6 l/s 3.6pa, @ 15l/s 22.9pa and @ 30 l/s 91.71pa. 150mm @ 15 l/s 5.1pa, @ 30 l/s 17.3pa and @ 60 l/s 59.1pa

AIR VALVES

	**136-04** **136-05** **136-06**	**n/a** **n/a** **n/a**	Air Extract or Supply Valve Air Extract or Supply Valve Air Extract or Supply Valve	- - -	○ 100 ○ 125 ○ 150	To fit round pipe and round sockets. Allows airflow to be controlled by the occupant and is, therefore, excellent when airflow needs to be balanced. Temperature resistant to 100°C.
	**136-24** **136-25** **136-26**	**40136** **n/a** **n/a**	Air Extract or Supply Valve Air Extract or Supply Valve Air Extract or Supply Valve	- - -	○ 100 ○ 125 ○ 150	For installation in suspended ceilings. Allows airflow to be controlled by the occupant and is, therefore, excellent when airflow needs to be balanced. Temperature resistant to 100°C.

SOIL VENTILATION PRODUCTS

	**4110**	**n/a**	Roof Vent Cowl G ■	-	● 110	Meets BS4514. For connection to 110mm o.d. pipe.
	**4457**	**n/a**	Angled Roof Weathering Slate - Rubber/Aluminium	457 x 457	● 82-100	Suitable for use on an angled roof.
	**2022**	**n/a**	Condensation Trap with Overflow connection	-	● 110	Fits 110mm o.d. pipe (soil pipe). Collects moisture to prevent potential hazards. Released through overflow pipe.
	**497**	**n/a**	Condensation Trap with Overflow connection	- -	● 110 ● 104	Fits Domus 100mm i.d. **and** 110mm o.d. pipe. Collects moisture to prevent potential hazards. Released through overflow pipe.
	**498**	**n/a**	Condensation Trap without Overflow connection	- -	● 110 ● 104	Fits Domus 100mm i.d. **and** 110mm o.d. pipe. Collects moisture to prevent potential hazards. Moisture naturally evaporates.

● = internal dimension ○ = outer dimension G = Grey

o.d. = outer dimension
i.d. = internal dimension

SYSTEM 100

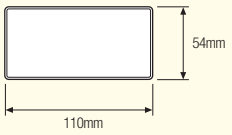
- Recommended for domestic bathrooms, WCs and kitchens with low volume extraction of up to 250 m^3/hr
- Efficient for short, simple ducting runs
- Low profile enables ducting to be easily concealed when space is a restriction
- Made from self extinguishing flame retardant materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Maximum working temperature of 60ºC
- A wide range of bends and adapters enables versatile installation
- Compatible with a large selection of outlets and inlets and other Domus ducting systems
- Also available prepacked

System 100 is a rectangular range of ducting that is efficient for short simple runs. It is particularly suitable for applications requiring lower extraction rates, such as, the ventilation of domestic bathrooms and internal WCs.

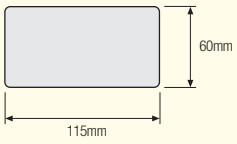
The low profile of the design enables it to be concealed when installed along the top of wall units or when fitted in ceiling voids, cavity walls and other confined spaces, providing versatility but remaining unobtrusive.

Bends, connectors, adapters and clips ensure that System 100 offers the installer the flexibility to achieve almost any ducting configuration and the ability to connect to other Domus systems.

DIMENSIONS



System 100
Flat channel outer dimensions are 110 x 54mm and fit **into** system parts sockets



Minimum space required for installation:
115 x 60mm

Cross section:
5300 sq mm

All measurements in mm. Drawings not to scale.

up to 250 m³/hr

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**010** **015** **D1-2000**	**40010** **n/a** **n/a**	Flat Channel, 1m Flat Channel, 1.5m Flat Channel, 2m	▭ 110 x 54 ▭ 110 x 54 ▭ 110 x 54	1.8 2.7 3.6	6.3 9.75 12.6	21.5 32.25 43.0	Connects **into** components with rectangular sockets (110 x 54mm i.d.) e.g. System 100 bends.
	**D2-1000**	**n/a**	Flat Channel Outer Sleeve, 1m	▬ 110 x 54 ▭ 112 x 60	1.8	6.3	21.5	Fits **over** flat channel to provide a telescopic assembly.
	**122-4**	**40122***	Flat Channel Clip	▬ 110 x 54	-	-	-	Securely fixes flat channel to desired location e.g. ceiling or wall unit.
	**020**	**40020**	Flat Channel Connector	▬ 110 x 54	0.3	1.4	6.3	Fits **over** flat channel to connect two lengths together in a straight line.
	**027**	**n/a**	Flat Channel Connector with Damper	▬ 110 x 54	19.9	21.2	16.9	Fits **over** flat channel to connect two lengths together in a straight line. Includes damper for back draft prevention.
	**030**	**40030**	Elbow Bend with Socket	▬ 110 x 54 ● 100	8.1	33.1	136.4	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (124-4) at right angles or fits directly **over** a 100mm o.d. appliance spigot.
	**040**	**40040**	Elbow Bend with Spigot	▬ 110 x 54 ○ 100	8.1	33.1	136.4	Fits **over** flat channel to connect channel to round flexible hose with hose clip (125-4) at right angles or directly **into** EasiPipe 100 (100mm i.d. connections).
	**050**	**40050**	Horizontal 90° Bend	▬ 110 x 54	9.8	39.8	161.9	Fits **over** flat channel to connect two lengths together horizontally at right angles.
	**060**	**40060**	Vertical 90° Bend	▬ 110 x 54	15.6	62.8	252.7	Fits **over** flat channel to connect two lengths together vertically at right angles.
	**080**	**40080**	Horizontal Equal T-Piece	▬ 110 x 54	Figures vary on installation			Fits **over** flat channel to provide a rectangular ducting junction in a multi-extraction installation.

* 2 items in prepack ▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	Pressure loss.pa 30 l/s	Pressure loss.pa 60 l/s	Notes *i.d. = internal dimension* *o.d. = outer dimension*
	**070**	**40070**	**Round to Rectangular Adapter**	▬ 110 x 54 ● 100	3.7	14.6	58	Fits **over** flat channel to connect in a straight line to fit **over** a 100mm o.d. spigot e.g. wall outlet/cooker hood or fan spigot or to EasiPipe 100 via a straight pipe connector (493/4/5). Pipe and channel lay flush to surface.
	**071**	**40071**	**Short Round to Rectangular Adapter**	▬ 110 x 54 ○ 100	4.8	20.4	86.2	Fits **over** flat channel to connect in a straight line to fit **into** 100mm i.d. connections, including EasiPipe 100 pipes. Channels lay in a central position.
	**077**	**40077**	**Airbrick Adapter and converter to Supertube 125**	▭ 204 x 60	1.2**	4.7**	17.8**	Connects **into** System 100 flat channel to adapt to Supertube 125 flat channel, by fitting **over** a Supertube 125 flat channel connector (520 or 527). Fits all Supertube 125 sockets (204 x 60mm i.d. connections).
	**115-4**	**40115**	**Flat Channel Wall Plate**	▬ 110 x 54 ▭ 154 x 154	-	-	-	Fits **over** flat channel to make good internal wall after forming rectangular hole for ducting.
	**018**	**n/a**	**Flat Channel End Cap**	▬ 108 x 52 ▭ 110 x 54	-	-	-	Fits **into** flat channel to blank off end.

**Figures going from Supertube 125 to System 100. See other sections for performance figures using this item with other components

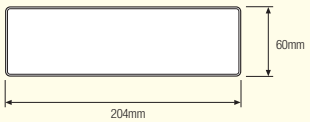
▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

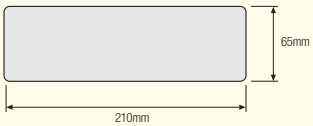
SUPERTUBE 125

- Highly recommended for all cooker hoods and high powered fans especially extraction rates of up to 500 m^3/hr
- Suitable for long ducting runs
- Low profile enables ducting to be easily concealed when space is a restriction
- Made from self extinguishing flame retardant materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Maximum working temperature of 60ºC
- A wide range of bends and adapters enables versatile installation
- Compatible with a large selection of outlets and inlets and other Domus ducting systems

DIMENSIONS



Supertube 125
Flat channel outer dimensions are 204 x 60mm and fit into system parts sockets.



Minimum space required for installation: 210 x 65mm

Cross section: 11200 sq mm

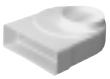
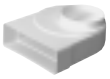
Supertube 125 is a highly efficient large rectangular range of ducting that is efficient even for long runs. It is particularly suitable for applications requiring high extraction rates, such as, the ventilation of domestic kitchens, but can also be used for applications, such as, whole house ventilation systems.

The low profile of the design enables it to be concealed when installed along the top of wall units or when fitted in ceiling voids, cavity walls and other confined spaces, providing versatility but remaining unobtrusive.

Bends, connectors, adapters and clips ensure that Supertube 125 offers the installer the flexibility to achieve almost any ducting configuration and the ability to connect to other Domus systems.

SUPERTUBE 125

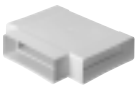
up to 500 m³/hr

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension* *o.d. = outer dimension*
	**510** **515** **D3-2000**	**n/a** **n/a** **n/a**	**Flat Channel, 1m** **Flat Channel, 1.5m** **Flat Channel, 2m**	▭ 204 x 60 ▭ 204 x 60 ▭ 204 x 60	0.5 0.75 1.0	1.5 2.25 3.0	5.2 7.8 10.4	Connects **into** components with rectangular sockets (204 x 60mm i.d.) e.g. Supertube 125 bends.
	**122-5**	**n/a**	**Flat Channel Clip**	▬ 204 x 60	-	-	-	Securely fixes flat channel to desired location e.g. ceiling or wall unit.
	**520**	**n/a**	**Flat Channel Connector**	▬ 204 x 60	0.1	0.4	1.5	Fits **over** flat channel to connect two lengths together in a straight line.
	**527**	**n/a**	**Flat Channel Connector with Damper**	▬ 204 x 60	21.9	41.1	43.2	Fits **over** flat channel to connect two lengths together in a straight line. Includes damper for back draft prevention.
	**441**	**n/a**	**Elbow Bend with 100mm o.d. Rotating Offset Spigot**	▬ 204 x 60 ○ 100	7.3	29.1	116.4	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (126-4) or hose clip (125-4) at right angles or fits directly **over** a 100mm o.d. appliance spigot or EasiPipe 100.
	**541**	**n/a**	**Elbow Bend with 125mm o.d. Rotating Offset Spigot**	▬ 204 x 60 ○ 125	2.7	11.1	45.9	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (126-5) or hose clip (125-5) at right angles or fits directly **into** Easipipe 125 (125mm i.d. connections) or EasiPipe 125.
	**641**	**n/a**	**Elbow Bend with 150mm o.d. Rotating Offset Spigot**	▬ 204 x 60 ○ 150	1.1	4.5	18.3	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (126-6) or hose clip (125-6) at right angles or fits directly **into** Easipipe 150 (150mm i.d. connections) or EasiPipe 150.
	**544**	**n/a**	**Adapter from 125mm to 100mm**	● 125 ● 100	-	-	-	Adapts 125mm ducting to 100mm appliance spigots, eg fits **over** threaded hose connector (126-5) to connect to spigot on cooker hood.
	**550**	**n/a**	**Horizontal 90° Bend**	▬ 204 x 60	2.1	8.4	33.7	Fits **over** flat channel to connect two lengths together horizontally at right angles.
	**545**	**n/a**	**Adjustable Horizontal Bend**	▬ 204 x 60 ▭ 204 x 60	0.7	2.1	6.3	Connects two lengths of flat channel together horizontally by cutting to desired angle. Channel fits **into** normal end and **over** adjustable end.

▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

Ducting through a compartment wall?
Take a look at FireBrake on pages 47-50 and prevent the spread of fire through ventilation ducting.

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**560**	**n/a**	Vertical 90° Bend	▬ 204 x 60	2.6	10.8	44.3	Fits **over** flat channel to connect two lengths together vertically at right angles.
	**582**	**n/a**	Horizontal Equal T-Piece	▬ 204 x 60	Figures vary on installation			Fits **over** flat channel to provide a rectangular ducting junction in a multi-extraction installation.
	**570**	**n/a**	Round to Rectangular Adapter 220mm length	▬ 204 x 60 ● 125	0.7	2.9	11.5	Fits **over** flat channel to connect in a straight line to fit **over** a 125mm o.d. spigot e.g. wall outlet/cooker hood or fan spigot or to EasiPipe 125 via a straight pipe connector (595/4/5). Pipe lays flush to surface.
	**115-5**	**n/a**	Rectangular Wall Plate	▬ 204 x 60 ▭ 264 x119	-	-	-	Used to make good internal wall after forming rectangular hole for ducting or as surround for airbrick (501 only)
	**518**	**n/a**	Flat Channel End cap	▬ 200 x 56 ▭ 204 x 60	-	-	-	Fits **into** flat channel to blank off end.

▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

Ducting through a compartment wall?
Take a look at FireBrake on pages 47-50 and prevent the spread of fire through ventilation ducting.

MEGADUCT 220

- Highly recommended for the ducting of all cooker hoods even the latest high powered hoods that can exceed extraction rates of 1000m³/hr
- Suitable for long ducting runs
- Easier to conceal than an equivalent 150mm round duct
- Made from self-extinguishing flame-retardant materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Maximum working temperature of 60°C
- A wide range of bends enables versatile installation
- Compatible with a selection of outlets and inlets and other Domus Ducting systems

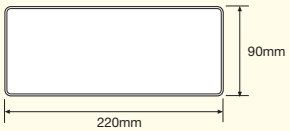
The large capacity of MegaDuct 220 ensures that it can cope with the air volume generated by the high extraction rates of the new stylish cooker hoods now on the market. Unwanted air and smells can be removed effectively and efficiently. It is a case of duct and hood in perfect harmony. The benefits of MegaDuct 220 are an improved living environment and quieter, less overworked and longer-lasting cooker hoods.

MegaDuct 220 is the next generation of ducting and, as kitchen manufacturers, hood manufacturers, builders and designers begin to work together it will soon become the norm.

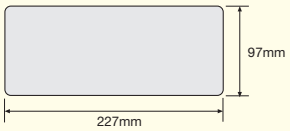
The low profile of MegaDuct 220 makes it easier to conceal than an equivalent 150mm round duct. This makes it more suitable for installation along the top of wall units or fitting in ceiling voids and other confined spaces.

Bends, connectors and adapters ensure MegaDuct 220 offers the installer the flexibility to achieve almost any ducting configuration and the ability to connect to other Domus systems.

DIMENSIONS



MegaDuct 220
Flat channel outer dimensions are 220 x 90mm and fit **into** system parts sockets



Minimum space required for installation: 227 x 97mm

Cross section: 17798mm²

500-1000 m³/hr plus

MEGADUCT 220

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 60 l/s	120 l/s	180 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**910** **915**	**n/a** **n/a**	**Flat Channel, 1m** **Flat Channel, 1.5m**	▭ 220 x 90 ▭ 220 x 90	0.95 1.42	3.29 4.93	6.82 10.23	Connects **into** components with rectangular sockets (220 x 90mm i.d.) eg MegaDuct 220 bends.
	**922**	**n/a**	**Flat Channel Clip**	-	-	-	-	Secures channel to flat surface.
	**920**	**n/a**	**Flat Channel Connector**	▬ 220 x 90	-	-	-	Fits **over** flat channel to connect two lengths together in a straight line.
	**941**	**n/a**	**Elbow Bend with 100mm o.d Rotating Offset Spigot**	▬ 220 x 90 ○ 100	5.3	20.4	44.8	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (126-4) or hose clip (125-4) at right angles or fits directly **over** a 100mm o.d. appliance spigot or EasiPipe 100.
	**951**	**n/a**	**Elbow Bend with 125mm o.d Rotating Offset Spigot**	▬ 220 x 90 ○ 125	3.6	14.9	34.4	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (126-5) or hose clip (125-5) at right angles or fits directly **over** a 100mm o.d. appliance spigot or EasiPipe 125.
	**961**	**n/a**	**Elbow Bend with 150mm o.d Rotating Offset Spigot**	▬ 220 x 90 ○ 150	9.0	34.0	75.0	Fits **over** flat channel to connect channel to round flexible hose with threaded hose connector (126-6) or hose clip (125-6) at right angles or fits directly **over** a 100mm o.d. appliance spigot or EasiPipe 150.
	**950**	**n/a**	**Horizontal 90° Bend**	▬ 220 x 90	9.0	35.7	79.6	Fits **over** flat channel to connect two lengths together horizontally at right angles.
	**957**	**n/a**	**Supertube to MegaDuct Adapter** *905, 977 & 957 with 225mm of Supertube 125* *905, 977 & 957 with 1.5m of Supertube 125*	[1] ▭ 220 x 90 [2] ▬ 204 x 60	- 45.8 -1.2	- 186.6 -3.54	- 431.8 -7.23	Fits **into** connector (920) to join MegaDuct 220 flat channel to Supertube 125 by fitting **over** flat channel. Will also enable Supertube 125 to connect to double airbrick (905) via. adapter (977).
	**960**	**n/a**	**Vertical 90° Bend**	▬ 220 x 90	7.0	28.8	65.9	Fits **over** flat channel to connect two lengths together vertically at right angles.
	**970**	**n/a**	**Round to Rectangular Adapter**	▬ 220 x 90 ● 154	3.7	14.1	30.7	Fits over flat channel to connect in a straight line to fit direct **over** a Domus EasiPipe 150 pipe (135-6). Typically used in this instance to convert ducting through a wall to a 150mm wall outlet. Pipe lays flush to surface.
	**977**	**n/a**	**Double Airbrick Adapter**	[1] ▭ 227 x 133 [2] ▬ 220 x 90	See page 11 for figures			Connects MegaDuct 220 flat channel to double airbrick (905). Fits **into** double airbrick and **over** flat channel.

▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

POLYVENT

- Recommended for the ducting of bathrooms, WCs and kitchens if other systems cannot be installed.
- Extra low profile enables ducting to be easily concealed when space is very restricted (where there is a void space of 38mm)
- Ideal for installation in flats or under floors
- Available in two sizes
- Made from self extinguishing flame retardant materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Maximum working temperature of 60° C
- A wide range of bends and adapters enables versatile installation
- Compatible with a selection of outlets

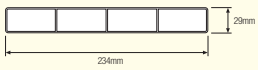
PolyVent is a range of rectangular ducting available in two sizes that provides effective ventilation for bathrooms, WCs and kitchens. It is particularly suitable for use where space is very restricted and other systems cannot be fitted.

The low profile of the design enables it to be concealed when installed along the top of wall units or when fitted in ceiling voids, cavity walls and other confined spaces, providing versatility but remaining unobtrusive.

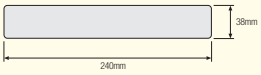
PolyVent 225 is particularly suitable for short runs with low volume extraction applications while PolyVent 300 is recommended for longer runs with more powerful fans or cooker hoods up to 250 m^3/hr).

Bends, connectors, adapters and clips ensure that PolyVent offers the installer the flexibility to achieve almost any ducting configuration

DIMENSIONS

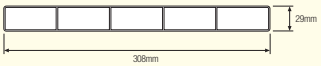


PolyVent 225
Flat channel outer dimensions are 234 x 29mm and fit directly into system parts sockets to create ducting runs.



Minimum space required for installation: 240 x 38mm

Cross section: 5830 sq mm



PolyVent 300
Flat channel outer dimensions are 308 x 29mm and fit directly into system parts sockets to create ducting runs.

Minimum space required for installation: 315 x 38mm

Cross section: 7760 sq mm

POLYVENT 225

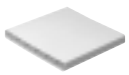
Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**2001** **20150** **20200**	**n/a** **n/a** **n/a**	Flat Channel, 1m Flat Channel, 1.5m Flat Channel, 2m	▭ 234 x 29 ▭ 234 x 29 ▭ 234 x 29	4.8 7.2 9.6	16.5 24.8 33	57.1 85.7 114.2	Connects **into** components with rectangular sockets (234 x 29mm i.d.) to create ducting runs.
	**2006**	**n/a**	Flat Channel Connector	▬ 234 x 29	No discernible resistance			Fits **over** flat channel to connect two lengths together in a straight line.
	**2007**	**n/a**	Horizontal 90° Bend	▬ 234 x 29	10	37.3	139.1	Fits **over** flat channel to connect two lengths together horizontally at right angles.
	**2008**	**n/a**	Horizontal 45° Bend	▬ 234 x 29	1.21	4.81	19.08	Fits **over** flat channel to connect two lengths together horizontally at 45°.
	**2010**	**n/a**	Vertical 90° Bend	▬ 234 x 29	5.45	19.91	72.7	Fits **over** flat channel to connect two lengths together vertically at right angles.
	**2011**	**n/a**	Vertical 45° Bend	▬ 234 x 29	4.49	8.59	29.67	Fits **over** flat channel to connect two lengths together vertically at 45°.
	**2013**	**n/a**	Elbow Bend/Plenum with Socket	▬ 234 x 29 ● 100	7.9	31.5	126	Fits **over** flat channel to connect round flexible hose with threaded hose connector (124-4) at right angles or to fit directly **over** a 100mm o.d. appliance spigot. Alternatively connects to Domus 100mm i.d. pipe using straight pipe connector (493/4/5) or adapter (380) - see EasiPipe section.
	**2005**	**n/a**	Round to Rectangular Adapter	▬ 234 x 29 ● 100	3.8	14.8	57.2	Fits **over** flat channel to connect in a straight line to a 100mm o.d. spigot e.g. wall outlet/cooker hood or fan spigot or to EasiPipe 100 via a straight pipe connector (493/4/5) or adapter (380) - see EasiPipe section. Pipe and channel lay flush to surface.
	**2014**	**n/a**	Universal Support Clip	-	-	-	-	Secures channel to flat surface. Can be used with PolyVent 225/300.

▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

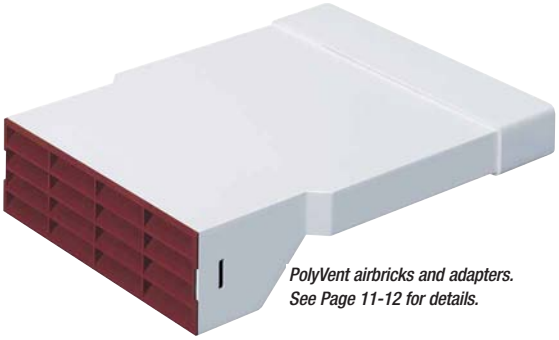
up to 250 m³/hr

POLYVENT 300

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension* *o.d. = outer dimension*
	3001 30150 30200	n/a n/a n/a	Flat Channel, 1m Flat Channel, 1.5m Flat Channel, 2m	▭ 308 x 29 ▭ 308 x 29 ▭ 308 x 29	2.45 4.5 6	8.11 16.1 21.4	26.8 56.3 75	Connects **into** components with rectangular sockets (308 x 29mm i.d.) to create ducting runs.
	3006	n/a	Flat Channel Connector	▬ 308 x 29	No discernible resistance			Fits **over** flat channel to connect two lengths together in a straight line.
	3007	n/a	Horizontal 90° Bend	▬ 308 x 29	2.62	10.42	41.52	Fits **over** flat channel to connect two lengths together horizontally at right angles .
	3008	n/a	Horizontal 45° Bend	▬ 308 x 29	1.14	4.09	14.71	Fits **over** flat channel to connect two lengths together horizontally at 45°.
	3010	n/a	Vertical 90° Bend	▬ 308 x 29	3.09	11.48	42.62	Fits **over** flat channel to connect two lengths together vertically at right angles.
	3011	n/a	Vertical 45° Bend	▬ 308 x 29	2.23	7.7	26.61	Fits **over** flat channel to connect two lengths together vertically at 45°.
	3013	n/a	Elbow Bend/Plenum with Socket	▬ 308 x 29 ● 100	4.3	15.8	58.9	Fits **over** flat channel to connect round flexible hose with threaded hose connector (124-4) at right angles or to fit directly **over** a 100mm o.d. appliance spigot. Alternatively connects to Domus 100mm i.d. pipe using straight pipe connector (493/4/5) or adapter (380) - see EasiPipe section.
	3005	n/a	Round to Rectangular Adapter	▬ 308 x 29 ● 100	6.11	23.67	91.66	Fits **over** flat channel to connect in a straight line to a 100mm o.d. spigot, eg wall outlet/cooker hood or fan spigot; or to EasiPipe 100 via a straight pipe connector (493/4/5) or adapter (380) - see EasiPipe section. Pipe and channel lay flush to surface.

▬ ● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range



PolyVent airbricks and adapters.
See Page 11-12 for details.

EASIPIPE

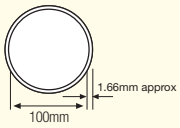
- Multi application system
- Suitable for larger fans, cooker hoods, whole house ventilation, stack ventilation and air conditioning
- Available in three sizes
- Should be used if space is not a restriction
- Excellent airflow with minimum air turbulence
- Suitable for long duct runs
- Made from self extinguishing flame retardant materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Maximum working temperature of 60ºC
- A wide range of bends and adapters enables versatile installation
- Compatible with a large selection of outlets and inlets and other Domus ducting systems
- EasiPipe 100 is also available prepacked

DIMENSIONS

EasiPipe 100

Pipe internal dimensions are 100mm and fit over system parts spigots.

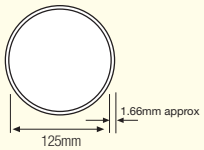
Cross section: 7850 sq mm
Pipe weight: 660 g/m
Pipe wall thickness: 1.66mm approx.
Core drill size: Use 107mm diameter



EasiPipe 125

Pipe internal dimension are 125mm and fit over system parts spigots.

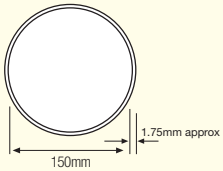
Cross section: 12266 sq mm
Pipe weight: 830 g/m
Pipe wall thickness: 1.66mm approx.
Core drill size: Use 132mm diameter



EasiPipe 150

Pipe internal dimension are 150mm and fit over system parts spigots.

Cross section: 17663 sq mm
Pipe weight: 980 g/m
Pipe wall thickness: 1.75mm approx.
Core drill size: Use 162mm diameter



EasiPipe is a range of circular pipe available in three sizes that provides effective ducting for a variety of applications.

A round configuration is the most efficient for airflow as less back pressure occurs and should be fitted where the space for ducts is not restricted.

EasiPipe is available with either 100mm, 125mm or 150mm internal diameters and is ideal for fans, cooker hoods, whole-house ventilation systems, stack ventilation and air conditioning. EasiPipe 125 and 150 should be used for high powered fans with extraction of over 400 m^3/hr.

The various pipes, bends, connectors, adapters and clips that comprise the EasiPipe system provide the scope to meet the majority of ventilation requirements and the ability to connect to other Domus systems.

EASIPIPE 100

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**135-4**	**40135**	Standard Round Pipe, 350mm	● 100	0.17	0.5	1.1	Fits **over** components with 100mm o.d. round spigots e.g. 490, 491, 492, 493/4/5, wall outlets and cooker hoods.
	1100-4	**41100**	Standard Round Pipe, 1m	● 100	0.5	1.4	3.1	
	1200-4	**n/a**	Standard Round Pipe, 2m	● 100	1	2.8	6.2	
	**2100-4**	**n/a**	Round Pipe Outer Sleeve, 1m	○ 104	0.5	1.4	3.1	Fits **over** standard round pipe to create a telescopic assembly.
	**130-4**	**n/a**	Telescopic Assembly, 250-450mm	Inner pipe ● 100 Outer pipe ○ 104	Figures vary according to length required			Adjustable between 250-450mm. Includes reducing ring so that both ends have 100mm i.d. to fit **over** components with 100mm o.d. Recommended for ducting through cavity walls.
	**380**	**n/a**	Adapter to Round Socket	○ 100	-	-	-	Fits **into** 100mm i.d. round pipe to make connections to sockets with 100mm i.d.
	**490**	**40490**	90° Bend	○ 100	5.6	21.1	80.1	Fits **into** 100mm i.d. round pipe to connect two lengths together at 90°.
	**491**	**40491**	45° Bend	○ 100	2.1	8.2	31.4	Fits **into** 100mm i.d. round pipe to connect two lengths together at 45°.
	**492**	**40492**	Equal T-Piece	○ 100	Figures vary on installation			Fits **into** 100mm i.d. round pipe to provide a round ducting junction in a multi-extraction installation.
	499M	**n/a**	Equal Y-Piece, metal *(not shown)*	○ 100	Figures vary on installation			
	**493**	**40493**	Straight Pipe Connector	○ 100	0.9	4.2	20.4	Fits **into** 100mm i.d. round pipe to connect two lengths together in a straight line.
	**494**	**40494**	Straight Pipe Connector with Damper	○ 100	25	44.9	101.6	Fits **into** 100mm i.d. round pipe to connect two lengths together in a straight line. Includes damper for back draft prevention.
	**495**	**n/a**	Straight Pipe Connector with Damper and Wall Plate	○ 100	25	44.9	101.6	Fits **into** 100mm i.d. round pipe to connect two lengths together in a straight line. Includes damper for back draft prevention and integral wall plate.
	**496**	**40496****	Pipe Fastener	-	-	-	-	Fastens **over** Easipipe 100 to secure pipe to the wall, ceiling or joists in a horizontal or vertical position.

● = internal dimension ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

EASIPIPE 100 CONT.

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**497**	**n/a**	**Condensation Trap with Overflow Connection**	● 110 ● 104	1.3	5.9	26.9	Fits Domus 100mm i.d. **and** 110mm o.d. pipe. Collects moisture to prevent potential hazard. Released through overflow pipe.
	**498**	**n/a**	**Condensation Trap without Overflow Connection**	● 110 ● 104	1.3	5.9	26.9	Fits Domus 100mm i.d. **and** 110mm o.d. pipe. Collects moisture to prevent potential hazard. Moisture naturally evaporates.
	**114-4**	**40114**	**Round Wall Plate**	● 103 ▭ 154 x 154	-	-	-	Fits **over** 100mm round pipe or flexible hose to make good internal wall after drilling of hole.
	019	**n/a**	**Circular Adapter 100-80mm**	○ 80 ● 100	-	-	-	Fits **into** 80mm i.d. connections and **over** 100mm o.d. connectors to adapt between two sizes in a straight line.
	**119**	**40119**	**Circular Adapter 125-100mm**	○ 100 ● 125	1.5	5.9	24	Fits **into** 100mm i.d. connections and **over** 125mm o.d. spigots to adapt between two sizes in a straight line.
	619	**n/a**	**Circular Adapter 150-100mm**	○ 100 ● 150	-	-	-	Fits **into** 100mm i.d. connections and **over** 150mm o.d. spigots to adapt between two sizes in a straight line.

** 2 items in prepack ● = internal dimension ▭ ○ = outer dimension

EASIPIPE 125

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes
	**135-5** **1100-5** **1200-5**	**n/a** **n/a** **n/a**	**Standard Round Pipe, 350mm** **Standard Round Pipe, 1m** **Standard Round Pipe, 2m**	● 125 ● 125 ● 125	0.07 0.2 0.4	0.25 0.7 1.4	0.67 1.9 3.8	Fits **over** components with 125mm o.d. round spigots e.g. 590, 591, 592, 593/4/5, wall outlets and cooker hoods.
	**2100-5**	**n/a**	**Round Pipe Inner Sleeve, 1m**	○ 125	0.2	0.7	1.9	Fits **into** standard round pipe to create a telescopic assembly.
	**130-5**	**n/a**	**Telescopic Assembly, 250-450mm**	Inner pipe ○ 125 Outer pipe ● 125	Figures vary according to length required			Adjustable between 250-450mm. Recommended for ducting through cavity walls.
	**580**	**n/a**	**Adapter to Round Socket**	○ 125	-	-	-	Fits **into** 125mm i.d. round pipe to make connections to sockets with 125mm i.d.
	**590**	**n/a**	**90° Bend**	○ 125	2	8.4	34.9	Fits **into** 125mm i.d. round pipe to connect two lengths together at 90°.
	**591**	**n/a**	**45° Bend**	○ 125	0.7	2.9	12.2	Fits **into** 125mm i.d. round pipe to connect two lengths together at 45°.

● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

EASIPIPE 125 CONT.

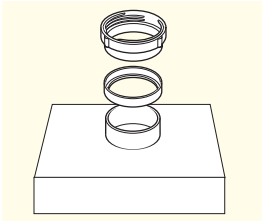
Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**592**	**n/a**	**Equal T-Piece**	○ 125	Figures vary on installation			Fits **into** 125mm i.d. round pipe to provide a round ducting junction in a multi-extraction installation.
	599M	**n/a**	**Equal Y-Piece, metal** *(not shown)*	○ 125	Figures vary on installation			
	**593**	**n/a**	**Straight Pipe Connector**	○ 125	0.2	0.9	4.3	Fits **into** 125mm i.d. round pipe to connect two lengths together in a straight line.
	**594**	**n/a**	**Straight Pipe Connector with Damper**	○ 125	18.3	31.5	61.7	Fits **into** 125mm i.d. round pipe to connect two lengths together in a straight line. Includes damper for back draft prevention.
	**595**	**n/a**	**Straight Pipe Connector with Damper and Wall Plate**	○ 125	18.3	31.5	61.7	Fits **into** 125mm i.d. round pipe to connect two lengths together in a straight line. Includes damper for back draft prevention and integral wall plate.
	**596**	**n/a**	**Pipe Fastener**	-	-	-	-	Fastens **over** Easipipe 125 to secure pipe to the wall, ceiling or joists in a horizontal or vertical position.
	**114-5**	**n/a**	**Round Wall Plate**	● 128 ▭ 170 x 170	-	-	-	Fits **over** 125mm i.d. round pipe or flexible hose to make good internal wall after drilling of hole.
	**119**	**40119**	**Circular Adapter 125-100mm**	○ 100 ● 125	1.5	5.9	24	Fits **into** 100mm i.d. connections and **over** 125mm o.d. spigots to adapt between two sizes in a straight line.
	**118**	**n/a**	**Circular Adapter 150-125mm**	○ 125 ● 150	0.6	2.2	8.8	Fits **into** 125mm i.d. connections and **over** 150mm o.d. spigots to adapt between two sizes in a straight line.
	**519**	**n/a**	**Rubber Spigot Adapter 120-125mm**	-	-	-	-	Adapts 115 - 122mm o.d. spigots to 125mm round ducting connections. Ideal for cooker hoods.

● = internal dimension ▭ ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

The solution to create an effective, simple and airtight fit when connecting 115 - 122mm spigots to 125mm ducting systems.

Many cooker hoods have spigots between 115 - 122mm and, to ensure efficient airflow performance, they must use 125mm ducting. The '519' enables this to be done without the use of excessive padding, taping or just having a loose fit, which causes air leakage.



500 m³/hr plus

EASIPIPE 150

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Notes *i.d. = internal dimension o.d. = outer dimension*
	**135-6**	**n/a**	**Standard Round Pipe, 350mm**	● 150	0.04	0.14	0.42	Fits **over** components with 150mm o.d. round spigots e.g. 690, 692M, 693/4/5, wall outlets and cooker hoods.
	1100-6	**n/a**	**Standard Round Pipe, 1m**	● 150	0.1	0.4	1.2	
	1200-6	**n/a**	**Standard Round Pipe, 2m**	● 150	0.2	0.8	2.4	
	**2100-6**	**n/a**	**Round Pipe Inner Sleeve, 1m**	○ 150	0.1	0.4	1.2	Fits **into** standard round pipe to create a telescopic assembly.
	**130-6**	**n/a**	**Telescopic Assembly, 250-450mm**	Inner pipe ○ 150 Outer pipe ● 150	Figures vary according to length required			Adjustable between 250-450mm. Recommended for ducting through cavity walls.
	**680**	**n/a**	**Adapter to Round Socket**	○ 150	-	-	-	Fits **into** 150mm i.d. round pipe to make connections to sockets with 150mm i.d.
	**690**	**n/a**	**90º Bend**	○ 150	1.0	4.2	18.2	Fits **into** 150mm i.d. round pipe to connect two lengths together at 90º.
	**692M**	**n/a**	**Equal T-Piece, metal**	○ 150	Figures vary on installation			Fits **into** 150mm i.d. round pipe to provide a round ducting junction in a multi-extraction installation.
	699M	**n/a**	**Equal Y-Piece, metal** *(not shown)*	○ 150	Figures vary on installation			
	**693**	**n/a**	**Straight Pipe Connector**	○ 150	0.1	0.2	1.1	Fits **into** 150mm i.d. round pipe to connect two lengths together in a straight line.
	**694**	**n/a**	**Straight Pipe Connector with Damper**	○ 150	13.6	23.5	43.6	Fits **into** 150mm i.d. round pipe to connect two lengths together in a straight line. Includes damper for back draft prevention.
	**695**	**n/a**	**Straight Pipe Connector with Damper and Wall Plate**	○ 150	13.6	23.5	43.6	Fits **into** 150mm i.d. round pipe to connect two lengths together in a straight line. Includes damper for back draft prevention and integral wall plate.
	**696**	**n/a**	**Pipe Fastener**	-	-	-	-	Fastens **over** EasiPipe 150 to secure pipe to the wall, ceiling or joists in a horizontal or vertical position.
	**114-6**	**n/a**	**Round Wall Plate**	● 155 ▭ 205 x 205	-	-	-	Fits **over** 150mm round pipe or flexible hose to make good internal wall after drilling of hole.
	118	**n/a**	**Circular Adapter 150-125mm**	○ 125 ● 150	0.6	2.2	8.8	Fits **into** 125mm i.d. connections and **over** 150mm o.d. spigots to adapt between two sizes in a straight line.
	**619**	**n/a**	**Circular Adapter 150-100mm**	○ 100 ● 150	-	-	-	Fits **into** 100mm i.d. connections and **over** 150mm o.d. spigots to adapt between two sizes in a straight line.
	819	**n/a**	**Circular Adapter 200-150mm**	○ 200 ● 150	-	-	-	Fits **into** 150mm i.d. connections and **over** 200mm o.d. connections to adapt between two sizes in a straight line.

● = internal dimension ○ = outer dimension

Please refer to pages 9-13 for Wall Outlets for this range

THERMAPIPE

- Pre-insulated multi application system
- Suitable for whole house ventilation, passive stack ventilation and air conditioning systems
- Provides excellent protection against condensation and is ideal for temperature control
- Insulation meets Class 1 requirements tested to BS476 Part 7
- Thermal conductivity is 0.042 W/mk to meet BRE IP 13/94 for PSV and BRE Digest 398 for MVHR
- Available in three sizes
- Excellent airflow with minimum air turbulence
- Made from self extinguishing flame retardant materials to conform to fire standards UL94 V2 and DIN 4102 B1
- Maximum working temperature of 60ºC
- A wide range of bends and adapters enables versatile installation
- Compatible with a large selection of outlets and inlets and other Domus ducting systems

ThermaPipe is a range of circular pipe available in three sizes that provides effective ducting for a variety of applications. It is wrapped in an insulation of bubble wrap with an aluminium foil cover providing excellent protection against condensation and enables a high level of temperature control to be achieved.

Internal joints can be connected using the push-fit low loss connections from the EasiPipe range. Insulation joints should be sealed with aluminium duct tape (see page 32).

The 5mm thick insulation sleeve is formed from a multi-layer bubble film insulation with aluminium foil bonded to the outer face. It is waterproof and will act as an effective vapour barrier if all joints are sealed. It contains no CFCs or other ozone-depleting chemicals and meets Class 1 requirements tested to BS476 Part 7.

The thermal conductivity of ThermaPipe is 0.042 W/mK and therefore meets the requirements of BRE IP 13/94 for Passive Stack Ventilation Systems and BRE Digest 398 for Mechanical Ventilation with Heat Recovery.

ThermaPipe is available with either 100mm, 125mm or 150mm internal diameters and, with its favourable pressure loss coefficients, is therefore ideal for all whole-house ventilation systems, passive stack and air conditioning systems.

The various pipes, bends, connectors, adapters and clips that comprise the ThermaPipe and EasiPipe systems provide the scope to meet the majority of ventilation requirements and allows the installer to interchange between other Domus systems.

up to 400 m³/hr

THERMAPIPE 100

Product	Code Boxed	Code Prepack	Description	Dimensions mm		Pressure loss.pa 15 l/s	30 l/s	60 l/s	Co.K*	Notes *i.d. = internal dimension o.d. = outer dimension*
	4TP100	n/a	Standard Round Pipe, 1m	●	100	0.5	1.4	3.1	0.25	Fits **over** components with 100mm o.d. round spigots e.g. 4TP90, 4TP91, 4TP92, 493/4/5, wall outlets and appliance spigots.
	4TP200	n/a	Standard Round Pipe, 2m	●	100	1	2.8	6.2	-	
	4TP90	n/a	90º Bend	○	100	5.6	21.1	80.1	2.52	Fits **into** 100mm i.d. round pipe to connect two lengths together at 90°.
	4TP91	n/a	45º Bend	○	100	2.1	8.2	31.4	0.98	Fits **into** 100mm i.d. round pipe to connect two lengths together at 45°.
	4TP92	n/a	Equal T-Piece	○	100	Figures vary on installation				Fits **into** 100mm i.d. round pipe to provide a round ducting junction in a multi-extraction installation.
	4TP2SL	n/a	Insulated Sleeve, 2m	●	104	-	-	-	-	Fits **over** EasiPipe 100 to create ThermaPipe 100. Can be cut to required length.

THERMAPIPE 125

up to 500 m³/hr

	5TP100	n/a	Standard Round Pipe, 1m	●	125	0.2	0.7	1.9	0.23	Fits **over** components with 125mm o.d. round spigots e.g. 5TP90, 5TP91, 5TP92, 593/4/5, wall outlets and appliance spigots.
	5TP200	n/a	Standard Round Pipe, 2m	●	125	0.4	1.4	3.8	-	
	5TP90	n/a	90º Bend	○	125	2.0	8.4	34.9	2.42	Fits **into** 125mm i.d. round pipe to connect two lengths together at 90°.
	5TP91	n/a	45º Bend	○	125	0.7	2.9	12.2	0.83	Fits **into** 125mm i.d. round pipe to connect two lengths together at 45°.
	5TP92	n/a	Equal T-Piece	○	125	Figures vary on installation				Fits **into** 125mm i.d. round pipe to provide a round ducting junction in a multi-extraction installation.
	5TP2SL	n/a	Insulated Sleeve, 2m	●	129	-	-	-	-	Fits **over** EasiPipe 125 to create ThermaPipe 125. Can be cut to required length.

● = internal dimension ○ = outer dimension * Pressure loss Coefficient K

Please refer to pages 9-13 for Wall Outlets for this range

THERMAPIPE

THERMAPIPE 150

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Pressure loss.pa 15 l/s	30 l/s	60 l/s	Co.K*	Notes *i.d. = internal dimension o.d. = outer dimension*
	6TP100	n/a	Standard Round Pipe, 1m	● 150	0.1	0.4	1.2	0.22	Fits **over** components with 150mm o.d. round spigots e.g. 6TP90, 6TP92M, 593/4/5, wall outlets and appliance spigots.
	6TP200	n/a	Standard Round Pipe, 2m	● 150	0.2	0.8	2.4	-	
	6TP90	n/a	90º Bend	○ 150	1.0	4.2	18.2	2.41	Fits **into** 150mm i.d. round pipe to connect two lengths together at 90°.
	6TP92M	n/a	Equal T-Piece, metal	○ 150	Figures vary on installation				Fits **into** 150mm i.d. round pipe to provide a round ducting junction in a multi-extraction installation.
	6TP2SL	n/a	Insulated Sleeve, 2m	● 154	-	-	-	-	Fits **over** EasiPipe 150 to create ThermaPipe 150. Can be cut to required length.

THERMAPIPE ACCESSORIES

	10TP12	n/a	Thermal Insulation Sheet	1m x 1.2m	-	-	-	-	A small section of thermal insulation for use with awkward insulations, or to insulate small components.
	50TP45	n/a	Aluminium Duct Sealing Tape, 45m length	50mm width	-	-	-	-	It is recommended that insulation joints should be sealed using aluminium duct tape, ensuring a professional finish.

● = internal dimension ○ = outer dimension * Pressure loss Coefficient K

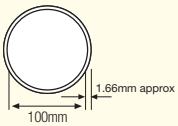
Please refer to pages 9-13 for Wall Outlets for this range

DIMENSIONS

ThermaPipe 100

Pipe internal dimensions are 100mm and fit over system parts spigots.

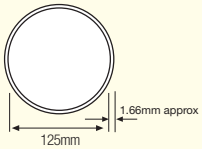
Cross section: 7850 sq mm
Pipe weight incl. insulation: 730 g/m
Pipe wall thickness: 1.66mm
Insulation thickness: +5mm approx.



ThermaPipe 125

Pipe internal dimensions are 125mm and fit over system parts spigots.

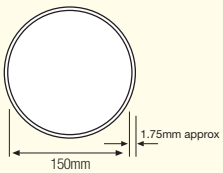
Cross section: 12266 sq mm
Pipe weight incl. insulation: 925 g/m
Pipe wall thickness: 1.66mm approx.
Insulation thickness: +5mm approx.



ThermaPipe 150

Pipe internal dimensions are 150mm and fit over system parts spigots.

Cross section: 17663 sq mm
Pipe weight incl. insulation: 1090 g/m
Pipe wall thickness: 1.75mm approx.
Insulation thickness: +5mm approx.

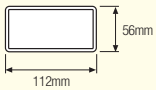


FLEXIBLE DUCTING

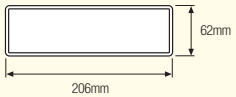
- For use to overcome situations where a rigid duct cannot be installed
- Recommended mainly for use with tumble dryers
- Suitable when there is slow moving air
- Available in four rectangular sizes and six round sizes
- PVC hose has a maximum working temperature of 80ºC
- Aluminium duct options in 100, 125 and 150mm
- Round insulated aluminium hose available for condensation control
- A wide range of connectors, clips and tapes provide effective connections to Domus rigid ducting systems and terminals

DIMENSIONS

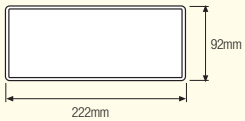
Rectangular Hose



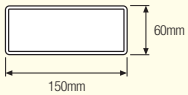
112 x 56mm (to connect to System 100 channel).



206 x 62mm (to connect to Supertube 125 channel).

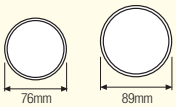


222 x 92mm (to connect to MegaDuct 220 channel).

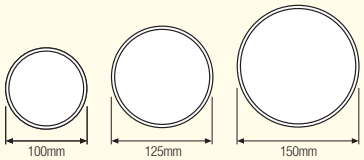


150 x 60mm (to fit 125mm round connections - ends form round for use where space prevents the flexible hose run being completely round).

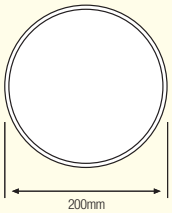
Round Hose



76mm, 89mm,100mm, 125mm, 150mm diameters to fit EasiPipe and round connections



Insulated hose has an extra 25mm of insulation



200mm diameter hose (only available in PVC form).

Domus has a large range of round and rectangular PVC flexible hoses in various lengths that are compatible with System 100, Supertube 125, MegaDuct 220, EasiPipe and ThermaPipe. Hose provides solutions to overcome situations where a rigid component cannot be installed. Flexible hose is particularly suitable for installation where there is slow moving air, such as, the ducting of tumble dryers.

It is important when connected with higher volume appliances, like a cooker hood, that the hose should remain taut and in a straight line for optimum performance.

Also available is aluminium duct for use when extra strength is required and insulated aluminium hose that is suitable for whole-house ventilation, passive stack ventilation and air conditioning systems.

To complement the range of hoses and to ensure easy installation a selection of hose connectors, clips and tapes is available to provide effective connections.

FLEXIBLE DUCTING

ROUND PVC FLEXIBLE HOSE

Product	Code Boxed	Code Prepack	Length metres	Notes
76mm (3") 	**261**	**n/a**	1	For use with adapters provided with many common tumble dryers.
	263	**n/a**	3	
	266	**n/a**	6	
	2615	**n/a**	15	
89mm (3.5") 	**371**	**n/a**	1	For use with adapters provided with many common tumble dryers.
	373	**n/a**	3	
	376	**n/a**	6	
	3715	**n/a**	15	
100mm (4") 	**361**	**40361**	1	Fits 100mm i.d. connections by using threaded hose connector (124-4) or to 100mm o.d. connections using connector (126-4). Alternatively use an adjustable hose clip (125-4).
	363	**40363**	3	
	366	**n/a**	6	
	3615	**n/a**	15	
	3645	**n/a**	45	

Product	Code Boxed	Code Prepack	Length metres	Notes
125mm (5") 	**561**	**n/a**	1	Fits 125mm o.d. connections by using threaded hose connector (126-5) Alternatively use an adjustable hose clip (125-5).
	563	**n/a**	3	
	566	**n/a**	6	
	5615	**n/a**	15	
150mm (6") 	**661**	**n/a**	1	Fits 150mm o.d. connections by using threaded hose connector (126-6). Alternatively use an adjustable hose clip (125-6).
	663	**n/a**	3	
	666	**n/a**	6	
	6615	**n/a**	15	
200mm (8") 	**861**	**n/a**	1	Fits 200mm round connections by using adjustable hose clip (126-8).
	863	**n/a**	3	
	866	**n/a**	6	
	8615	**n/a**	15	

ROUND INSULATED HOSE

100mm (4") 	**4210**	**n/a**	10	Can be used in conjunction with ThermaPipe 100. Use aluminium duct sealing tape (50TP45) to seal joints.
125mm (5") 	**5210**	**n/a**	10	Can be used in conjunction with ThermaPipe 125. Use aluminium duct sealing tape (50TP45) to seal joints.

150mm (6") 	**6210**	**n/a**	10	Can be used in conjunction with ThermaPipe 150. Use aluminium duct sealing tape (50TP45) to seal joints.

ROUND ALUMINIUM DUCT

100mm (4") 	**n/a**	**403203**	0.3	Fits 100mm o.d. connections. Should be secured using duct clip (127-4).
	n/a	**403215**	1.5	
	n/a	**403230**	3	
125mm (5") 	**n/a**	**503203**	0.3	Fits 125mm o.d. connections. Should be secured using duct clip (127-5).
	n/a	**503215**	1.5	
	n/a	**503230**	3	

150mm (6") 	**n/a**	**603203**	0.3	Fits 150mm o.d. connections. Should be secured using duct clip (127-6).
	n/a	**603215**	1.5	
	n/a	**603230**	3	

Aluminium duct has a 15 minute fire rating. Maximum working temperature of 200°C.

Please refer to pages 9-13 for Wall Outlets for this range

ROUND HOSE ACCESSORIES

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Notes *i.d. = internal dimension o.d. = outer dimension*
100mm (4") 	**124-4**	**40124**	Threaded Hose Connector with Spigot	○ 100	Used to connect a length of 100mm PVC flexible hose to any item with a 100mm i.d. Provides professional finish.
	**126-4**	**40126**	Threaded Hose Connector with Socket	● 100	Used to connect a length of 100mm PVC flexible hose to any item with a 100mm o.d. Provides professional finish.
	**126-110**	**n/a**	Threaded Hose Connector for 110mm Pipe	● 110	Used to connect a length of 100mm PVC flexible hose to 110mm soil pipe. Provides professional finish.
	**125-4**	**40125***	Adjustable Round Hose Clip	● 90 - 110	Used to connect a length of 100mm PVC flexible hose to any item with a 100mm o.d.
	**127-4**	**40127***	Adjustable Aluminium Duct Clip	● 100 - 110	Used to to fasten a length of 100mm aluminium duct to 100mm o.d. connections.
125mm (5") 	**126-5**	**n/a**	Threaded Hose Connector with Socket	● 125	Used to connect a length of 125mm PVC flexible hose to any item with a 125mm o.d. Provides professional finish.
	**125-5**	**n/a**	Adjustable Round Hose Clip	● 120 - 140	Used to connect a length of 125mm PVC flexible hose to any item with a 125mm o.d.
	**127-5**	**n/a**	Adjustable Aluminium Duct Clip	● 125 - 135	Used to to fasten a length of 125mm aluminium duct to 125mm o.d. connections.
150mm (6") 	**126-6**	**n/a**	Threaded Hose Connector with Socket	● 150	Used to connect a length of 150mm PVC flexible hose to any item with a 150mm o.d. Provides professional finish.
	**125-6**	**n/a**	Adjustable Round Hose Clip	● 140 - 160	Used to connect a length of 150mm PVC flexible hose to any item with a 150mm o.d.
	**127-6**	**n/a**	Adjustable Aluminium Duct Clip	● 150 - 160	Used to to fasten a length of 150mm aluminium duct to 150mm o.d. connections.
200mm (8") 	**125-8**	**n/a**	Adjustable Hose Clip	● 65 - 215	Mainly used to connect a length of 200mm PVC flexible hose to any item with a 200mm o.d. However, this can be reduced to 65mm and is therefore suitable for 76 & 89mm flexi hose.

* Contains 2 items in retail pack ● = internal dimension ○ = outer dimension

FLEXIBLE DUCTING

RECTANGULAR PVC FLEXIBLE HOSE

Product	Code Boxed	Code Prepack	Length metres	Notes
112 x 56mm 	**3305** **333**	**40335** **n/a**	0.5 3	Slips **over** System 100 channel secured by PVC duct tape (123/123-4).
206 x 62mm 	**5305** **533**	**n/a** **n/a**	0.5 3	Slips **over** Supertube 125 channel secured by PVC duct tape (123/123-4).

Product	Code Boxed	Code Retail	Length metres	Notes
150 x 60mm 	**5505** **5533**	**n/a** **n/a**	0.5 3	For use with EasiPipe 125. Allows greater flexibility when space is a restriction. Hose forms round to fit 125mm connections, eg wall outlets.
222 x 92mm 	**9305** **933**	**n/a** **n/a**	0.5 3	Slips **over** MegaDuct 220 channel secured by PVC duct tape (123/123-4).

RECTANGULAR FLEXIBLE HOSE ACC.

Product	Code Boxed	Code Prepack	Description	Dimensions mm	Notes *i.d. = internal dimension* *o.d. = outer dimension*
	**381**	**n/a**	Rectangular Hose Connector 100mm length	▭ 110 x 54	Used to connect two pieces of System 100 rectangular hose. Tape joints with duct sealing tape.
	**581**	**n/a**	Rectangular Hose Connector 100mm length	▭ 204 x 60	Used to connect two pieces of Supertube 125 rectangular hose. Tape joints with duct sealing tape.
	**123-4**	**40123**	PVC Duct Sealing Tape	4.6m length 50mm wide	To secure rectangular flexible hose to channels or for sealing any duct joint to ensure an airtight connection.
	**123**	**n/a**	PVC Duct Sealing Tape	33m length 50mm wide	To secure rectangular flexible hose to channels or for sealing any duct joint to ensure an airtight connection.

▭ = outer dimension

BOXED KITS

- Standard boxed kits available to provide solutions to common installations
- Options designed for cooker hoods and tumble dryers
- Air supply and wall outlet sets also available
- Packed in purpose made cartons
- Complete with instructions where necessary
- Choice of wall terminal colours
- Bespoke kits can be designed to meet the exact requirements of the installation

Domus is able to provide a selection of one-stop solutions to many popular installations by choosing from a comprehensive range of standard boxed kits.

The selection of kits demonstrates the adaptability of the modular Domus range by combining products, both rigid and flexible, with the relevant terminal to achieve the most effective configuration for the the installation in question.

Kits are available for short runs that go straight through the wall or longer runs that may require installation along the top of wall units or in the ceiling void. Kits will fit 100mm, 125mm or 150mm diameter connections providing an option for fans with different extraction rates. They are available in round and rectangular form.

There are also kits designed to provide return air for cooker hoods and combustion air to open-flued appliances, such as, central heating boilers and fires.

Domus standard kits are provided, where necessary, with installation instructions and are packed in purpose made cardboard cartons. If the range of standard kits does not provide a suitable answer, bespoke kits can be designed to meet the exact specification of the installation.

Outlet Colours

All kits come with a choice of colour for the external outlet of white, brown, terracotta or cotswold (beige). All internal outlets and ducting are supplied in white only. The colour of external outlet required must be stated when ordering.

Fixing Kits

Some kits contain a fixing kit. This consists of: 8 wall plugs and screws for wall outlet fixing and 4 adhesive (single sided) foam pads to aid loose fits.

AIR SUPPLY SETS

Typical usage

An extractor fan removes air causing the pressure in the room to drop if not replaced. A lack of supply causes the windows to mist up and also increases the noise from the cooker hood motor, as it has to work harder. In order to prevent this the airflow must be balanced by ensuring an adequate amount of return air back into the room.

A Domus air supply kit should be installed into an outside wall of the room, preferably opposite to the extraction unit.

AIR SUPPLY SETS CONT.

Great care must be taken to ensure that the amount of air back flow provided is at least equal to the combined consumption and extraction rate of all appliances.

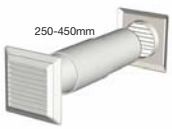
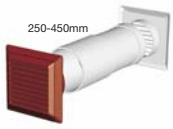
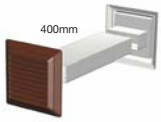
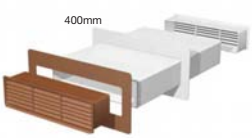
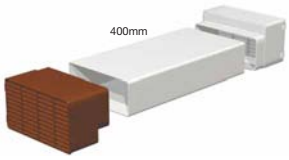
It is recommended that an air supply set should be installed in every room where air is being mechanically removed.

WARNING!

Open flued appliances, such as an Aga cooker or a gas fired hot water appliance maintains combustion by burning air from the kitchen. An extraction unit removing air from the kitchen without return air can starve the appliance of enough oxygen and in some cases can cause a reversal of flue gases, which can cause carbon monoxide poisoning.

If an open flued appliance coexists with an extraction unit, then the extraction unit and its air supply vents must conform to the Building Regulations and a BS5440 product spillage test should be undertaken with the extracting appliance in operation. Gas hobs, gas ovens and balanced flue (room sealed) appliances are exempt from this test. Balanced flue boilers have no permanently open air leakage paths and are therefore not affected by air extraction.

A selection of air supply sets is available to meet most domestic requirements. Reference should be made to BS 5440-2 to determine the most suitable kit for the appliance concerned.

Product	Kit Code	Parts	Description	Qty	Duct size mm	Specifications
	**116**	**F4904** **4904** **130-4**	**EasiPipe 100 Round Telescopic Return air Box** Louvred Grille with Flyscreen - Round Spigot Louvred Grille - Round Spigot Telescopic Pipe, 250-450mm	1 1 1	100	58.5cm² 19.0 kW To fit through walls 250-450mm
	**516**	**F5904** **5904** **E130-5**	**EasiPipe 125 Round Telescopic Return Air Box** Louvred Grille with Flyscreen - Round Spigot Louvred Grille - Round Spigot Telescopic Pipe with Enlarged End, 250-450mm	1 1 1	125	92cm² 26.0 kW To fit through walls 250-450mm
	**616**	**F6904** **6904** **E130-6**	**EasiPipe 150 Round Telescopic Return Air Box** Louvred Grille with Flyscreen - Round Spigot Louvred Grille - Round Spigot Telescopic Pipe with Enlarged End, 250-450mm	1 1 1	150	132cm² 38.5 kW To fit through walls 250-450mm
	**117**	**F4905** **4905** **D1-0400**	**System 100 Telescopic Return Air Box** Louvred Grille with Flyscreen - Rectangular Socket Louvred Grille - Rectangular Socket Flat Channel, 400mm	1 1 1	110 x 54	49.5cm² 17.5 kW To fit through walls up to 400mm
	**511**	**501** **501** **D3-0400** **115-5**	**Supertube 125 Rectangular Return Air Box with Internal Damper** Horizontal Airbrick (Flap Removed) Horizontal Airbrick with Damper (Centre Pivot Flap) Flat Channel, 400mm Rectangular Wall Plate	1 1 1 2	204 x 60	64.5cm² 22.0 kW To fit through walls up to 400mm
	**917**	**905** **977** **D4-0400**	**Megaduct 220 Rectangular Return Air Box** Double Airbrick Double Airbrick Adapter Flat Channel, 400mm	2 2 1	220 x 90	151.8cm² 52.5 kW To fit through walls up to 400mm

FLEXIBLE HOSE DUCTING KITS

Typical usage

Flexible hose kits are ideal for short duct runs (under 3m) and, therefore, suitable for the ducting of tumble dryers or cooker hoods situated on an external wall. It is important that the flexible hose is kept as taut as possible and, when possible, in a straight line to ensure maximum airflow performance.

Extra care must be taken when installing the hose through the brickwork as the hose could tear, resulting in reduced performance.

Flexible hose kits are provided with adhesive pads, to ensure that the duct connection to the appliance exhaust spigot is secure - as diameters can vary slightly between manufacturers.

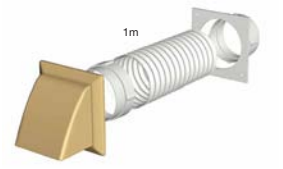
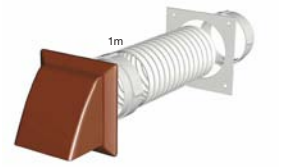
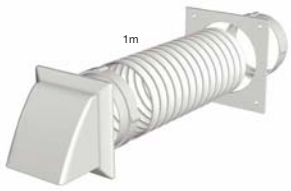
Kits are available with a choice of wall outlet styles - please refer to the wall outlet section to assist in deciding your choice of outlet.

IMPORTANT

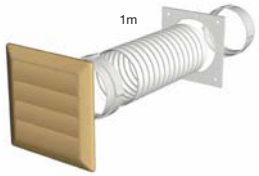
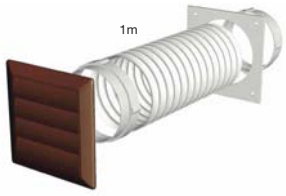
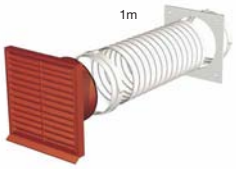
Options are available in 100, 125 and 150mm and the appropriate kit should be selected according to the spigot size of the appliance and the extraction power of the unit (in the case of cooker hoods/fans). Please refer to the manufacturer for guidelines, or use our recommendation in the tables below.

Please note that the manufacturer's warranty may be invalidated if the correct size ducting is not used.

Further options for the ducting of tumble dryers are detailed later.

Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	202	4902 361 114-4 126-4	**100mm 1m Round Hose Kit with Cowled Wall Outlet** Cowled Wall Outlet with Damper - Round Spigot Round PVC Flexible Hose, 1m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit Also available prepacked ref 40202	1 1 1 2 1	100	up to 250 m³/hr
	202-5	5902 561 114-5 126-5	**125mm 1m Round Hose Kit with Cowled Wall Outlet** Cowled Wall Outlet with Damper - Round Spigot Round PVC Flexible Hose, 1m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit	1 1 1 2 1	125	up to 400 m³/hr
	202-6	6902 661 114-6 126-6	**150mm 1m Round Hose Kit with Cowled Wall Outlet** Cowled Wall Outlet with Damper - Round Spigot Round PVC Flexible Hose, 1m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit	1 1 1 2 1	150	400 m³/hr plus

FLEXIBLE HOSE DUCTING KITS CONT.

Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	**205**	**4900** **361** **114-4** **126-4**	**100mm 1m Round Hose Kit with Gravity Flap Outlet** Wall Outlet with Gravity Flaps - Round Spigot Round PVC Flexible Hose, 1m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit Also available prepacked ref 40205	1 1 1 2 1	100	up to 250 m³/hr
	**216**	**5900** **561** **114-5** **126-5**	**125mm 1m Round Hose Kit with Gravity Flap Outlet** Wall Outlet with Gravity Flaps - Round Spigot Round Flexible Hose, 1m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit	1 1 1 2 1	125	up to 400 m³/hr
	**225**	**6900** **661** **126-6** **114-6**	**150mm 1m Round Hose Kit with Gravity Flap Outlet** Wall Outlet with Gravity Flaps - Round Spigot Round Flexible PVC Hose, 1m Threaded Hose Connector with Socket Round Wall Plate Fixing Kit	1 1 2 1 1	150	400 m³/hr plus
	**215**	**500** **561** **114-5** **126-5**	**125mm 1m Hose Kit with Louvred Grille & Internal Damper** Louvred Grille with Internal Damper - Round Spigot Round PVC Flexible Hose, 1m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit	1 1 1 2 1	125	up to 400 m³/hr

WALL OUTLET SETS

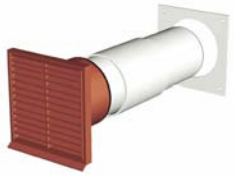
Typical usage

Designed for installation through the walls of most standard housing.

Wall outlet sets provide the connection terminal inside the house for (in most cases) additional ducting, but can also be connected direct to an appliance (a connector/adapter may be needed).

Rigid ducting offers better airflow performance than a flexible duct and its use is recommended if possible.

Options are available in the System 100 range and in 100, 125, 150mm and EasiPipe ranges. All kits have a back draft prevention device to stop draughts coming back into the room when the fan is not in use.

Product	Kit Code	Parts	Description	Qty	Duct size mm
	**108**	**4902** **130-4** **114-4**	**EasiPipe 100 100mm Round Telescopic Outlet Set** Cowled Wall Outlet with Damper - Round Spigot Telescopic Pipe, 250-450mm Round Wall Plate Also available prepacked ref 40108	 1 1 1	100
	**508**	**500** **P3-0175** **P4-0275** **114-5**	**EasiPipe 125 Round Telescopic Outlet Set with Internal Damper** Louvred Grille with Internal Damper - Round Spigot Round Inner Pipe, 175mm Round Pipe, 275mm Round Wall Plate	 1 1 1 1	125
	**608**	**6904** **130-6** **114-6**	**EasiPipe 150 Round Telescopic Outlet Set** Louvred Grille - Round Spigot Telescopic Pipe, 250-450mm Round Wall Plate	 1 1 1	150
	**112**	**4904** **130-4** **495**	**EasiPipe 100 Round Telescopic Outlet with Internal Damper** Louvred Grille - Round Spigot Telescopic Pipe, 250-450mm Straight Pipe Connector with Damper and Wall Plate Fixing Kit	 1 1 1 1	100

WALL OUTLET SETS CONT.

Product	Kit Code	Parts	Description	Qty	Duct size mm
	512	5904 E130-5 595	**EasiPipe 125 Round Telescopic Outlet with Internal Damper** Louvred Grille - Round Spigot Telescopic Pipe with Enlarged End, 250-450mm Straight Pipe Connector with Damper and Wall Plate Fixing Kit	 1 1 1 1	125
	612	6904 E130-6 695	**EasiPipe 150 Round Telescopic Outlet with Internal Damper** Louvred Grille - Round Spigot Telescopic Pipe with Enlarged End, 250-450mm Straight Pipe Connector with Damper and Wall Plate Fixing Kit	 1 1 1 1	150
	2455	F4905 107 D1-0400	**System 100 Rectangular Outlet Set** Louvred Grille with Flyscreen - Rectangular Socket Damper Valve and Wall Plate Flat Channel, 400mm	 1 1 1	110 x 54

FLAT CHANNEL DUCTING KITS

Typical Usage

Flat channel kits are designed primarily for the ducting of cooker hoods.

Options are available to meet most standard installations in typical kitchens.

Kits are available in the System 100, Supertube 125 and MegaDuct 220 ranges and provide enough ducting for runs of up to 3m*. There is a kit in each size for a run with two bends and a run with three bends. A rigid duct is essential for a run of this length.

Flat channel kits are provided with adhesive pads to ensure that the duct connection to the appliance exhaust spigot is secure - as diameters can vary slightly between manufacturers.

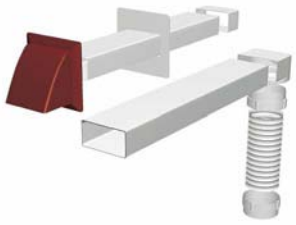
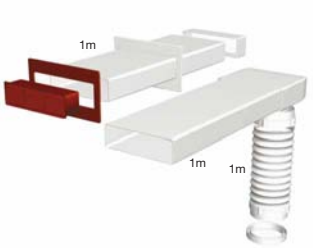
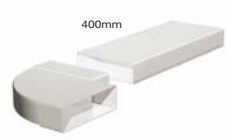
IMPORTANT

It is very important that the extraction power of the cooker hood/fan is utilised and the selection of the correct ducting kit is vital in achieving efficient and quiet extraction as well as preventing the need to replace an overworked and exhausted fan motor.

The more powerful the extractor, the larger the duct needs to be. Please refer to the manufacturer for guidelines or use our recommendation in the tables below.

Please note that the manufacturer's warranty may be invalidated if the correct size ducting is not used.

**Except kit ref: 203, which is a short kit for fans or cooker hoods with 100mm spigot built into outside wall (short straight run).*

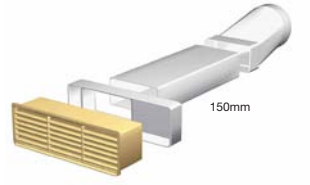
Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	212		**System 100 3m Flat Channel Kit for Straight Run with Cowled Wall Outlet**		110 x 54	up to 250 m³/hr
		4903	Cowled Wall Outlet with Damper - Rectangular Socket	1		
		010	Flat Channel, 1m	2		
		020	Flat Channel Connector	1		
		030	Elbow Bend with Socket	1		
		361	Round PVC Flexible Hose, 1m	1		
		115-4	Rectangular Wall Plate	1		
		124-4	Threaded Hose Connector with Spigot	1		
		126-4	Threaded Hose Connector with Socket	1		
			Fixing Kit	1		
	214	050	**System 100 3m Flat Channel with Horizontal Bend with Cowled Wall Outlet** *As above but with:* Horizontal 90º Bend Also available prepacked ref 40214	1	110 x 54	up to 250 m³/hr
	227	501 510 520 541 544 561 115-5 126-5 519	**Supertube 125 3m Flat Channel Kit with Brick Sized Outlet** Horizontal Airbrick with Damper Flat Channel, 1m Flat Channel Connector Elbow Bend with 125mm Rotating Offset Spigot Round Adapter from 125mm to 100mm Round PVC Flexible Hose, 1m Rectangular Wall Plate Threaded Hose Connector with Socket Rubber Spigot Adapter 120-125mm Fixing Kit	1 2 1 1 1 1 2 2 1 1	204 x 60	up to 500 m³/hr
	219	550 D3-0400	**Supertube 125 3.4m Flat Channel Kit with Horizontal Bend and Brick Sized Outlet** *As above but with:* Horizontal 90º Bend Flat Channel, 400mm	1 1	204 x 60	up to 500 m³/hr

FLAT CHANNEL DUCTING KITS CONT.

Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	**2650**		**MegaDuct 220 3m Flat Channel Kit with Round Cowled Outlet**			 up to & above 1000 m³/hr
		6902	Round Cowled Outlet - Round Spigot	1	220 x 90	
		135-6	Round Pipe, 350mm	1		
		970	Round to Rectangular Adapter	1		
		910	Flat Channel, 1m	2		
		920	Flat Channel Connector	1		
		950	Horizontal 90° Bend	1		
		961	Elbow Bend with 150mm Rotating Offset Spigot	1		
		126-6	Threaded Hose Connector with Socket	2		
		661	Round PVC Flexible Hose, 1m	1		
			Fixing Kit	1		
	**2653**		**MegaDuct 220 3m Flat Channel Kit with Brick Sized Outlet**			 up to & above 1000 m³/hr
		905	Double Airbrick	1	220 x 90	
		977	Double Airbrick Adapter	1		
		910	Flat Channel, 1m	2		
		920	Flat Channel Connector	1		
		950	Horizontal 90° Bend	1		
		961	Elbow Bend with 150mm Rotating Offset Spigot	1		
		126-6	Threaded Hose Connector with Socket	2		
		661	Round PVC Flexible Hose, 1m	1		
			Fixing Kit	1		

EXTRACTOR FAN KIT

An additional selection of kits for use with the stylish range of Domus extractor fans is detailed in the Fan section of this catalogue.

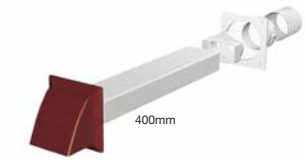
Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	**203**		**System 100 Short Extractor Fan Kit with Brick Sized Outlet**			 
		501	Horizontal Airbrick with Damper	1	110 x 54	
		077	Airbrick Adapter	1		
		D1-0150	Flat Channel, 150mm	1		
		070	Round to Rectangular Adapter	1		

TUMBLE DRYER KITS

As previously explained, the best form of ducting for any kind of application is a rigid duct and this should be used when possible, especially in the section of the run that goes through the wall, as hose could tear on the brickwork.

However, once through the wall, round flexible hose should be used to connect to the tumble dryer. Again, the run should be kept as short as possible and should not really exceed 3m.

Round and rectangular options are available with cowled wall outlets for maximum effectiveness.

Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	**207**	**4903** **D1-0400** **114-4** **126-4** **071**	**System 100 Rectangular Tumble Dryer Kit with Cowled Wall Outlet** Cowled Wall Outlet with Damper - Rectangular Socket Flat Channel, 400mm Round Wall Plate Threaded Hose Connector with Socket Short Round to Rectangular Adapter Fixing Kit Also available prepacked with 2m of hose ref 40207	1 1 1 1 1 1	110 x 54	
	**207-3**	**4903** **D1-0400** **071** **363** **114-4** **126-4**	**System 100 Round Tumble Dryer Kit with Cowled Wall Outlet and 3m Flexible Hose** Cowled Wall Outlet with Damper - Rectangular Socket Flat Channel, 400mm Short Round to Rectangular Adapter Round PVC Flexible Hose, 3m Round Wall Plate Threaded Hose Connector with Socket Fixing Kit Also available prepacked with 2m of hose ref 40207	1 1 1 1 1 1 1	110 x 54	
	**240**	**4902** **135-4** **114-4** **124-4**	**EasiPipe 100 Round Tumble Dryer Kit with Cowled Wall Outlet** Cowled Wall Outlet with Damper - Round Spigot Round Pipe, 350mm Round Wall Plate Threaded Hose Connector with Spigot Fixing Kit	1 1 1 1 1	100	
	**240-3**	**4902** **135-4** **114-4** **124-4** **363**	**EasiPipe 100 Round Tumble Dryer Kit with Cowl Wall Outlet and 3m Flexible Hose** Cowled Wall Outlet with Damper - Round Spigot Round Pipe, 350mm Round Wall Plate Threaded Hose Connector with Spigot Round Flexible PVC Hose, 3m Fixing Kit	1 1 1 1 1 1	100	
	**2442-2**	**2441** **362** **126-4**	**100mm Tumble Dryer Self Condensing Kit with 2m Hose** Tumble Dryer Self Condenser Unit Round Flexible PVC Hose, 2m Threaded Hose Connector with Socket *A simple option when it is inappropriate to duct a tumble dryer through a wall or to dangle flexible hose out of the window.* *This simple self condensing kit will keep the utility room free of steam.*	1 1 1	100	

BOXED KITS

ROUND PIPE DUCTING KITS

Typical usage

The Domus range of 150mm round pipe kits is designed primarily for the ducting of very high powered cooked hoods. A round, rigid pipe is the most efficient and effective duct to achieve maximum airflow performance.

Options are available to meet most standard installations in typical kitchens.

Kits provide enough ducting for runs of up to 3m. There is a kit for a run with two bends and a run with three bends.

Round pipe kits are provided with adhesive pads to ensure that the duct connection to the appliance exhaust spigot is secure, as diameters can vary slightly between manufacturers.

IMPORTANT

It is very important that the extraction power of the cooker hood/fan is utilised and the selection of the correct ducting kit is vital in achieving efficient and quiet extraction, as well as preventing the need to replace an overworked and exhausted fan motor. The more powerful the extractor, the larger the duct needs to be. Please refer to the manufacturer for guidelines or use our recommendation in the tables below.

Please note that the manufacturer's warranty may be invalidated if the correct size ducting is not used.

Product	Kit Code	Parts	Description	Qty	Duct size mm	Application
	**2605**		**EasiPipe 150 3m Round Pipe Kit for Straight Run with Cowled Wall Outlet**			
		6902	Cowled Wall with Damper - Round Spigot	1	150	500 m³/hr plus
		1100-6	Round Pipe, 1m	2		
		693	Straight Pipe Connector	1		
		690	90º Bend	1		
		114-6	Round Wall Plate	1		
		126-6	Threaded Hose Connector with Socket	2		
		661	Round PVC Flexible Hose 1m	1		
			Fixing Kit	1		
	**2607**		**EasiPipe 150 3m Round Pipe Kit with Horizontal Bend with Cowled Wall Outlet**			
		6902	Cowled Wall with Damper - Round Spigot	1	150	500 m³/hr plus
		1100-6	Round Pipe Connector, 1m	2		
		693	Straight Pipe Connector	1		
		690	90º Bend	2		
		114-6	Round Wall Plate	1		
		126-6	Threaded Hose Connector with Socket	2		
		661	Round PVC Flexible Hose, 1m	1		
			Fixing Kit	1		

E & EO We reserve the right to alter kit specifications without prior notice.

FIREBRAKE

The ventilation ducting intumescent connector

FIREBRAKE™

Prevent the spread of fire through ventilation ducting

FIREBRAKE

- Meets the requirements of Approved Document B of the UK Building Regulations
- Meets the requirements of NHBC Standard (April 2004) 8.1-S2 (f)
- Tested by BRE to BS 476 Part 20: 1987 and prEN 1366-3
- 2 hour fire rating
- Available for all five sizes of Domus flat channel ducting systems

The Domus FireBrake is a unique, scientifically advanced intumescent product to prevent the spread of fire through plastic ventilation ducting systems. It has been designed specifically for its intended purpose.

Fire prevention is a serious concern. Building Regulations state that when a compartment wall is penetrated an approved fire-stopping device should be installed. The purpose is to contain fire spread that could be harmful to life, and to maintain the integrity of the building for as long as possible.

FireBrake reacts to the heat from the fire and expands inwards stopping the spread of the fire by quickly providing a 100% closed fire stop seal.

FireBrake has been designed with safety of the householder as its primary concern. This gives the installer unparalleled peace of mind that the installation is fit for purpose and will pass inspection by Building Control.

FireBrake allows simple but effective installation to deal with most common problems faced on site which often make alternative options like fire collars and wraps unsuitable.

Due to its construction, design features, and user friendly nature you can specify and install FireBrake with confidence.

FireBrake is available for all five sizes of Domus flat channel ducting systems.

Quick and easy installation

Domus FireBrake is very simple to install. Its user friendly nature avoids improvisation during fitting particularly in areas that are difficult to access. This is a significant advantage over wraps and collars.

FireBrake ensures professional installation. It is the correct fire stop for all Domus rectangular ventilation ducting.

In most fire-stopping applications two collars or wraps are required, one on either side. Thus FireBrake can provide substantial cost savings, especially in installation time. No maintenance is required.

For masonry or stud walls and concrete floors

Domus FireBrake is designed for multi-purpose installation. For stud walls the steel casing (fitted as standard) ensures that the product closes inwards. The 125mm length of FireBrake is sufficient to prevent it falling through a stud wall once the duct has melted away. This is not the case with most collars. Wraps are not suitable for use within stud walls.

Robust Construction

Domus FireBrake is strong enough to cope with the rigours of transportation and the hazardous environment on building sites. Its sturdy nature inspires confidence that it will be fit for purpose.

No additional fixings necessary

The Domus FireBrake does not require additional fixings, such as screws and metal anchors. This saves considerable time and money on site.

Forms an integral part of the ducting system

Domus FireBrake acts as a connector. It can be incorporated as part of the ducting system design providing a seamless configuration.

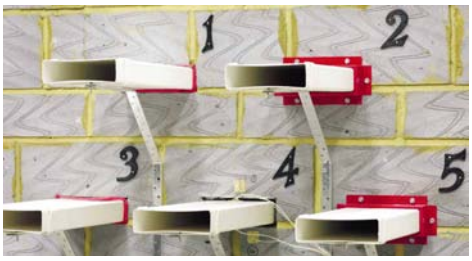
Designed to put safety first

Domus FireBrake helps prevent careless installation. This is a common problem with wraps and collars as they are difficult to work with. Careless installation can result in failure under fire conditions.

Careful attention has been made to ensure that the wall thickness of the FireBrake is sufficient to give 100% closure thus providing a safe, effective and rapid fire stop seal. The 125mm length of the FireBrake also gives added protection when compared to the size of most alternatives.

FireBrake instills confidence that it will perform when most needed. The length of the product and the red steel casing allow easy verification by Building Control during inspection. Verification is a common problem when using wraps as they are often hidden.

TESTED



Independent Fire Test: 1 - wrap on one side only; 2 - collar fitted on one side only; 3 - wraps on both sides; 4 - the Domus FireBrake centred within the wall; 5 - collars fitted on both sides of the wall.

After 5 minutes: The Domus FireBrake (No. 4) is already creating an effective fire stop seal.

After 2 hours: FireBrake (No. 4) has maintained its fire stop closure whilst the traditional products failed.


Wrap failed


Collar failed


FireBrake passed

INSTALLATION

Masonry Walls and Concrete Floors

FireBrake connectors are suitable for use in masonry walls and concrete floors of up to 150mm in thickness to provide up to and including 2 hours of fire protection (fig. 1).

For installations in masonry walls or floors of thickness greater than 150mm, two close-coupled FireBrakes must be used joined together using a 125mm length of ducting (fig. 2).

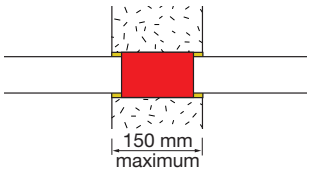


Fig. 1

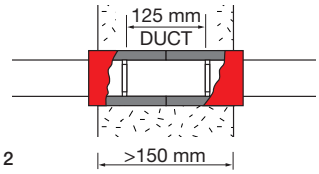


Fig. 2

Stud Walls

FireBrakes are also suitable for use in stud walls of up to a maximum of 125mm thick (fig. 3c). The rugged steel casing contains the expansion of the intumescent when a FireBrake is installed in a stud wall.

It is imperative that the FireBrake is firmly supported on its underside by a noggin or similar structural cross-member (fig. 3a & 3c). Otherwise the general installation guidelines apply.

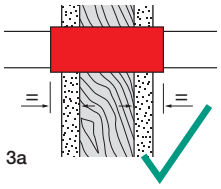


Fig. 3a

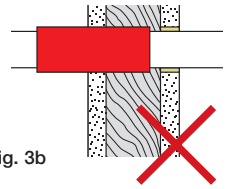


Fig. 3b

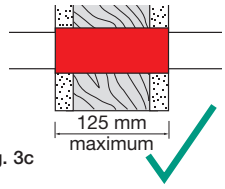


Fig. 3c

Important – Do not reduce or cut the length of the FireBrake as this will have a detrimental effect on the performance of the product.
FireBrake is not suitable for use with metal ducting.

General Installation Guidelines

A. Position the FireBrake Connector evenly within the fabric of the compartment wall to provide a firm support for the ducting.

If it is necessary to position the FireBrake unevenly within a masonry wall, for example, when making an immediate right-angled bend in the duct system, ensure that a minimum of 75mm of the FireBrake length is contained within the fabric of the wall (fig. 4). Note the constraints of point B.

B. Important - Ensure that the ends of the FireBrake remain visible; this allows both rapid activation of the intumescent in the event of a fire and also provides Building Control with easy access for identification for either auditing or fire risk assessment purposes.

Removal of the outer label is unnecessary.

C. There must be no more than a 12mm void in the fabric of the wall around any one side of the FireBrake. Gaps and voids in excess of 12mm should be made good with cement or mortar.

D. Gaps around FireBrake of up to 12mm should be made good with Domus MAS87 Acoustic Intumescent Mastic to provide both a complete smoke seal and a reduction in sound transmission through the duct system (fig.5).

E. The ducting can now be fitted to the FireBrake Connector.

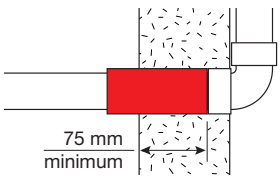


Fig. 4

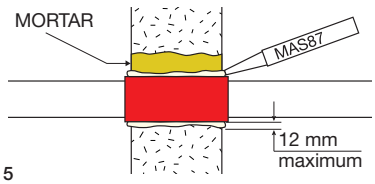


Fig. 5

FIREBRAKE

Product	Code Boxed	Code Prepack	Description	Dimensions mm Length	Dimensions mm Overall/Fitting	Notes
	087	n/a	System 100 FireBrake Duct Connector	125	▭ 124 x 68 ▬ 110 x 54	Connects over System 100 flat channel lengths providing a secure seal.
	587	n/a	Supertube 125 FireBrake Duct Connector	125	▭ 218 x 74 ▬ 204 x 60	Connects over Supertube 125 flat channel lengths providing a secure seal.
	987	n/a	MegaDuct 220 FireBrake Duct Connector	125	▭ 241 x 111 ▬ 220 x 90	Connects over MegaDuct 220 flat channel lengths providing a secure seal.
	2087	n/a	PolyVent 225 FireBrake Duct Connector	125	▭ 248 x 43 ▬ 234 x 29	Connects over PolyVent 225 flat channel lengths providing a secure seal.
	3087	n/a	PolyVent 300 FireBrake Duct Connector	125	▭ 322 x 43 ▬ 308 x 29	Connects over PolyVent 300 flat channel lengths providing a secure seal.

▬ = internal dimensions ▭ = outer dimensions

	Code Boxed	Code Prepack	Description	Volume		Notes
	MAS87	n/a	Acoustic Intumescent Mastic	310 ml	Apply using a standard sealant applicator gun.	Four hour fire rating. Meets BS476: Part 20.

Certification and mechanical health and safety data sheets are available on request from our technical department.

If you are in doubt on any aspect of this product, please phone our technical department on 01799 540602 or email technical@domusventilation.com

FIREBRAKE™

DUCTING FOR FIREBRAKE

For System 100 Ducting see pages 15-16
For Supertube 125 Ducting see pages 18-19
For MegaDuct 220 Ducting see page 21
For PolyVent Ducting see pages 23-24


Fit for purpose.


Acts as a connector.


Profile specifically designed for ducting.


The steel casing ensures inwards closure.


Intumescent mastic completes the perfect installation.

FANS

THE DOMUS PLEDGE OF SAFETY AND QUALITY

Domus fans are tested to the strictest levels of quality and safety providing one of the safest fans on the market.

- BSI Kitemarked to BS EN 60335 for electrical safety*
- Tested by BSRIA for airflow performance to ISO 5801
- Sound tested by SRL to ISO 3741:1988 (reports available)
- Fans exceed the requirements of the Building Regulations
- Fans are made from tough fire retardant UV stabilised materials
- Fans are easily cleaned, maintained and installed
- Splash-proof rated
- Domus is a member of a BS EN ISO 9002 registered group
- Easy to follow and comprehensive instructions
- Robust packaging protects the fans

* *Except T1C, T1EC, P1C and ELF Models*

PRODUCT CODES/PACKAGING TYPE

The product codes throughout this catalogue are shown as either a Boxed or Prepacked option. This refers to the type of packaging that the product will be supplied in.

Boxed

Prepacked

ICONS

To assist in fan selection, icons are used throughout this catalogue. These are used to indicate the room that the fan can be used in and the model type.

ROOM LOCATIONS

toilet

shower

bathroom

kitchen

utility room

whole house

MODEL OPTIONS

standard
Switch fan on/off manually by remote switch e.g. light switch/dedicated switch.

pull switch
Switch fan on/off manually using integral pull switch.

timer
Fan switches on using a remote switch (light) and includes an adjustable overrun timer (1 to 25 mins) so that the fan continues to remove excess moisture and odours after switching off the fan.

movement detector
Sensitive to movement coupled with heat preventing accidental tripping. Switches on when body movement is detected. Also includes timer function.

humidistat
Switches on/off automatically once a preset level of humidity is reached. Integral condensation control is adjustable between 60 and 80% RH @ 21 °C, which enables the fan to continuously monitor humidity. Also includes timer function.

humidistat/pull switch
Specification as humidistat version but with the additional of a pull switch for manual override.

auto shutter
Shutters open during operation and close when not in use to prevent back drafts. Available with timer or pull switch and as a standard model. Operated by a silent thermoactuator.

SELV
12V fan or light unit.

DOMUS 100MM AXIAL FANS

- Exceeds Building Regulations for bathrooms and toilets
- Window or wall fixing options
- BSI Kitemarked to BS EN 60335 for electrical safety
- IPx4 Splash-proof rating
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Multiple model options
- Stainless steel ball bearing versions
- Quick and easy installation
- Three year guarantee

The DOMUS 100mm axial fan is a stylish unit made from safe, durable, easily cleaned high gloss ABS. Suitable for wall or window installation.

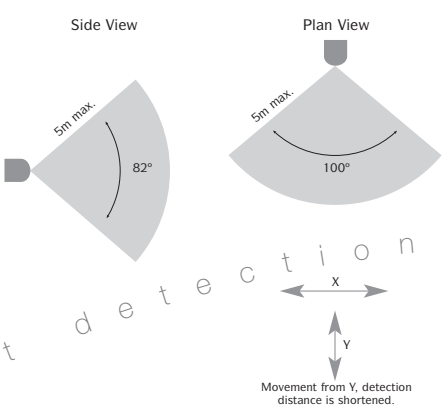
Model options include: Standard, Pull-cord Switch, Timer, Humidistat (with or without Pull-cord Switch), Movement Detector, Auto Shutter and SELV 12V enabling the range to meet most installation requirements. Some models are also available with a stainless steel ball bearing motor providing greater efficiency, lower noise and longer life.

The SELV 12V fan used in conjunction with a Domus transformer (see page 74) is suitable for safety critical domestic environments and can, therefore, be safely installed within zone 1 near a bath or shower, as stated in amendment 3 of BS7671:1992. The transformer must be mounted away from the source of water spray and out of the safety critical area.

The 100mm range exceeds the Building Regulation requirement of 15 l/s for bathrooms.

Passive Infra-red Movement Detector fans incorporate the world's smallest passive infra red sensor fitted to a domestic fan

MOVEMENT DETECTION RANGE



Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
		Standard Fans							
S1	**S1R**	Wall Fan	26	94	55	15	38.8	0.6	
SB1	**n/a**	Wall Fan with Ball Bearing Motor	26	94	55	15	38.8	0.6	
S1W	**S1WR**	Window Fan	18	65	38	15	38.8	0.6	
S1K	**S1KR**	Wall Fan & Wall Fixing Kit	24	86	50	15	38.8	0.6	
		Pull Switch Fans							
P1	**P1R**	Wall Fan	26	94	55	15	38.8	0.6	
PB1	**n/a**	Wall Fan with Ball Bearing Motor	26	94	55	15	38.8	0.6	
P1W	**P1WR**	Window Fan	18	65	38	15	38.8	0.6	
P1K	**P1KR**	Wall Fan & Wall Fixing Kit	24	86	50	15	38.8	0.6	
		Timer Fans							
T1	**T1R**	Wall Fan	26	94	55	15	38.8	0.6	
TB1	**n/a**	Wall Fan with Ball Bearing Motor	26	94	55	15	38.8	0.6	
T1W	**T1WR**	Window Fan	18	65	38	15	38.8	0.6	
T1K	**T1KR**	Wall Fan & Wall Fixing Kit	24	86	50	15	38.8	0.6	
		Movement Detector Fans							
M1	**n/a**	Wall Fan	26	94	55	15	38.8	0.6	
MB1	**n/a**	Wall Fan with Ball Bearing Motor	26	94	55	15	38.8	0.6	
		Humidistat Fans							
H1	**H1R**	Wall Fan	26	94	55	15	38.8	0.6	
H1W	**H1WR**	Window Fan	18	65	38	15	38.8	0.6	
H1K	**H1KR**	Wall Fan & Wall Fixing Kit	24	86	50	15	38.8	0.6	
		Humidistat/Pull Switch Fans							
HP1	**HP1R**	Wall Fan	26	94	55	15	38.8	0.6	
HP1W	**HP1WR**	Window Fan	18	65	38	15	38.8	0.6	
HP1K	**HP1KR**	Wall Fan & Wall Fixing Kit	24	86	50	15	38.8	0.6	
		Auto Shutter Fans							
AS1	**n/a**	Standard Wall Fan	26	94	55	21	38.8	0.7	
AP1	**n/a**	Pull Switch Wall Fan	26	94	55	21	38.8	0.7	
AT1	**n/a**	Timer Wall Fan	26	94	55	21	38.8	0.7	

DOMUS 100MM AXIAL FANS

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model	
		SELV 12 Volt Fans								
SL1	n/a	Wall Fan Requires 12V transformer (see page 74)	26	94	55	15	38.8	0.6		
n/a	SL1VKR	Wall Fan and Fixing Kit with Standard Transformer	24	86	50	15	38.8	0.6		
n/a	PL1VKR	Wall Fan and Fixing Kit with Pull Switch Transformer	24	86	50	15	38.8	0.6		
n/a	TL1VKR	Wall Fan and Fixing Kit with Timer Transformer	24	86	50	15	38.8	0.6		
n/a	HL1VKR	Wall Fan and Fixing Kit with Humidistat Transformer	24	86	50	15	38.8	0.6		
n/a	HPL1VKR	Wall Fan and Fixing Kit with Humidistat/Pull Switch Transformer	24	86	50	15	38.8	0.6		

All wall fixing kits come supplied with 400mm of compressed aluminium duct and brown external louvred outlet (and flaps for conversion to gravity flap outlet).

ACCESSORIES

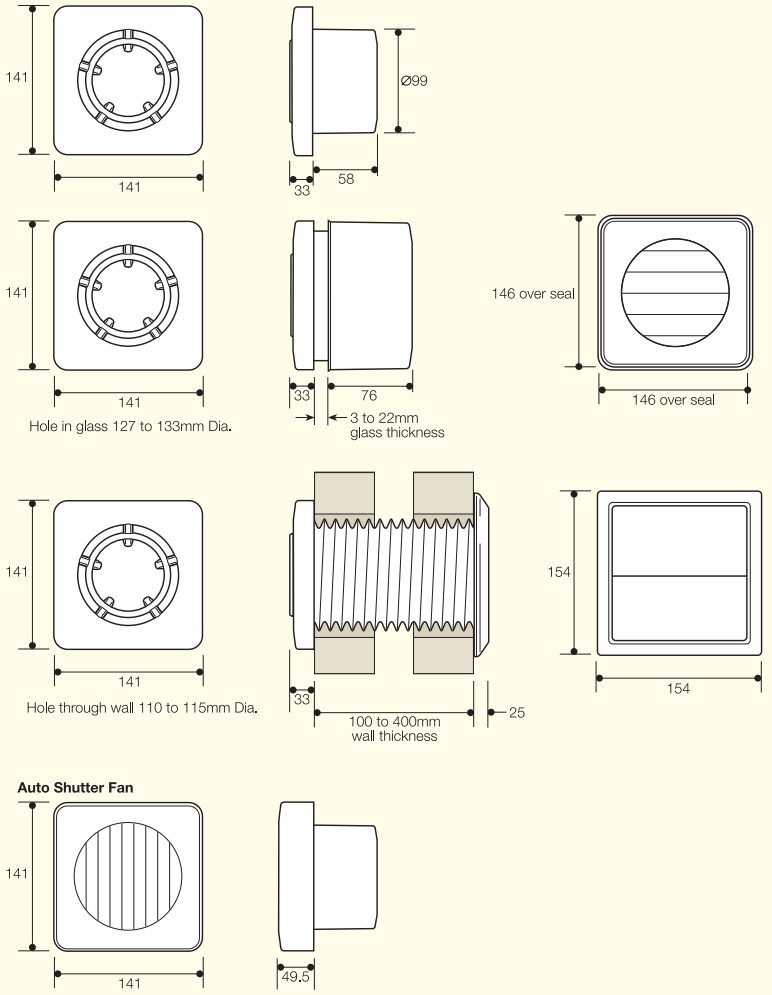
Product Code Boxed	Product Code Prepack	Description	Fitting size	Extract performance* l/s	Extract performance* m³/hr	Extract performance* cfm	Specification
		100mm Fixing Kits					
1K	1KR	Wall Fixing Kit for 100mm axial fans	100-400mm	24	86	50	Contains 400mm of compressed aluminium duct and brown external louvred outlet (and flaps for conversion to gravity flap outlet).
1W	1WR	Window Fixing Kit for 100mm axial fans	3-22mm	18	65	38	Contains window gravity flap outlet, seal and fixings.

Boxed	Prepack	Description	Connects to	Fascia Dimensions	Specification
		100mm Interchangeable Fascias			
n/a	F1CHR	Chrome Fascia	100mm axial fans	141 x 141mm	For installation with all 100mm axial fans except HP (Humidistat with Pull Switch), M (Movement Detector) and A (Auto Shutter) models.
n/a	F1ALR	Brushed Aluminium Fascia	100mm axial fans	141 x 141mm	
n/a	F1GDR	Gold Fascia	100mm axial fans	141 x 141mm	

**When installed with the appropriate Domus fan*

DOMUS 100MM AXIAL FANS

DIMENSIONS



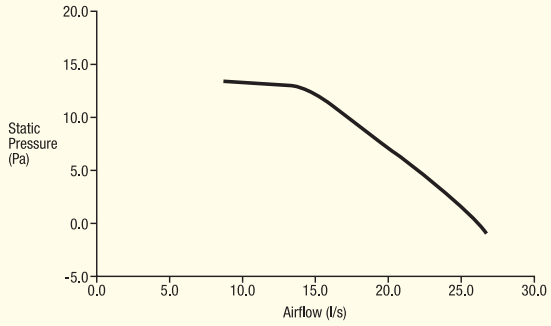
All measurements in mm. Drawings not to scale.

AXIAL FANS

Axial fans are designed for air movement over short distances as the air enters and leaves the impellers parallel with the fan axis. As a result, typical installations would be through a wall or a window. Domus axial fans should only be used for short duct runs up to a maximum of 1.5m.

PERFORMANCE GRAPH

Tested to ISO 5801:1997 (TYPE A).
BSRIA Report Number14404/1 03/99.



ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz (SELV versions 12 V ~ 50Hz)

Insulation class II / Double insulated

Splash-proof (equivalent IPx4)

Motors fitted with standard thermal fuses

(SELV versions motor fitted with auto-reset thermal cutouts)

Wiring must comply with latest IEE Wiring Regulations (BS7671)

DOMUS 100MM AXIAL DISCFANS

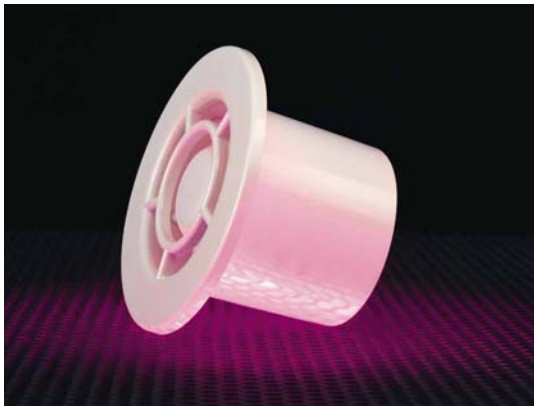
- Exceeds Building Regulations for bathrooms and toilets
- Wall fixing option
- BSI Kitemarked to BS EN 60335 for electrical safety
- IPx4 Splash-proof rating
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Three model options
- Ultra slim, stylish round design
- Quick and easy installation
- Three year guarantee

The smooth round design and ultra slim profile (only 7mm) of the Domus axial DiscFan offers a compact and unobtrusive solution when style is as important as performance.

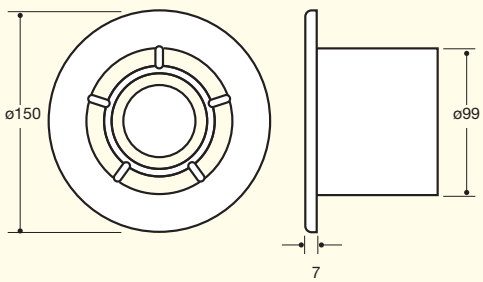
The fan is designed with a removable front fascia disc and nose cone to provide easy maintenance and cleaning. The simple 'clip on/off' features also allow the user to 'select-a-disc' to suit their mood or the ambience of the room.

DiscFan is available in three model options: standard, timer and humidistat, which meet most installation requirements. The fans have a high specification motor designed for durability and exceed the Building Regulation requirement of 15 l/s for domestic bathrooms to facilitate the removal of moisture and condensation, caused by inadequate ventilation.

DiscFan is recommended for effective ventilation of rooms when installed through an outside wall or when the distance to the termination point is under 1.5m.



DIMENSIONS



All measurements in mm. Drawings not to scale.

DOMUS 100MM AXIAL DISCFANS

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
DS1	DS1R	**Standard DiscFan** Wall Fan	22	77	55	15	38.8	0.5	
DT1	DT1R	**Timer DiscFan** Wall Fan	22	77	55	15	38.8	0.5	
DH1	DH1R	**Humidistat DiscFan** Wall Fan	22	77	55	15	38.8	0.5	

ACCESSORIES

Product Code Boxed	Product Code Prepack	Description	Fitting size	Extract performance* l/s	Extract performance* m³/hr	Extract performance* cfm	Specification
1K	1KR	**100mm Fixing Kits** Wall Fixing Kit for DiscFans	100-400mm	22	77	55	Contains 400mm of compressed aluminium duct and brown external louvred outlet (and flaps for conversion to gravity flap outlet).

Boxed	Prepack	Description	Connects to	Fascia Dimensions	Specification
		DiscFan Interchangeable Fascias			
n/a	DF1CHR	Chrome Fascia	100mm DiscFans	Outer rim 150mm	For installation with all 100mm axial DiscFans.
n/a	DF1ALR	Brushed Aluminium Fascia	100mm DiscFans	Outer rim 150mm	
n/a	DF1GDR	Gold Fascia	100mm DiscFans	Outer rim 150mm	

When installed with the appropriate Domus fan.
Please note that the DiscFan is not suitable for window installations.

DiscFan

ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz

Insulation class II / Double insulated

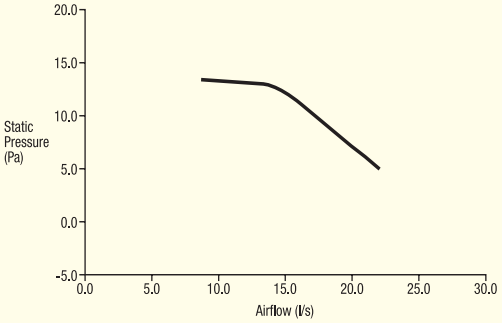
Splash-proof (equivalent IPx4)

Motors fitted with standard thermal fuses

Wiring must comply with latest IEE Wiring Regulations (BS7671)

PERFORMANCE GRAPH

Tested to ISO 5801:1997 (Type A).
BSRIA Report Number 16060/1 02/01.



DOMUS 100MM CENTRIFUGAL FANS

- Exceeds Building Regulations for bathrooms and toilets. P1C/T1C also exceeds regulations for utility rooms
- Suitable for wall or ceiling installation
- For long ducting runs
- Integral back draft flap
- IPx4 Splash-proof rating
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Quick and easy installation
- Three year guarantee

The DOMUS 100mm centrifugal fans are versatile and powerful units made from safe, durable, easily cleaned high gloss ABS. Suitable for wall or ceiling installation.

Model options include: Pull-cord Switch and Timer. The economy version is only available as a timer version.

The 100mm range exceeds the Building Regulation requirement of 30 l/s for utility rooms, although the economy version only exceeds the requirement of 15 l/s for bathrooms.

Economy centrifugal fan (T1EC).

A centrifugal fan recess mounted (T1C).

CENTRIFUGAL FANS

Centrifugal fans are designed for air movement over long distances as the air enters the impeller in an axial direction and leaves it in a radial direction. This creates high pressure enabling air to travel quicker and further. Domus centrifugal fans can be used for long duct runs of between 10-15m.

DOMUS 100MM CENTRIFUGAL FANS

P1C/T1C only

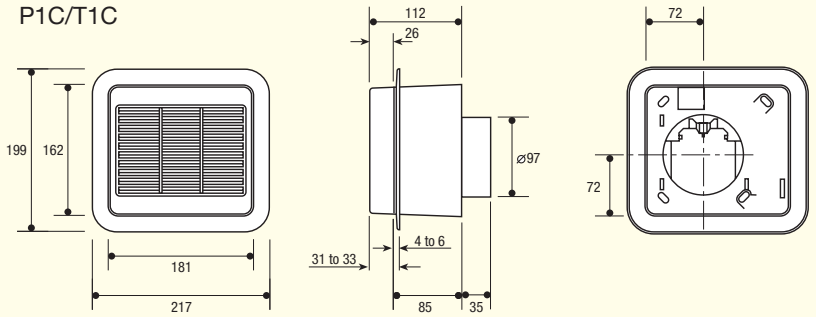
Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
P1C	n/a	**Pull Switch Fan** Wall / Ceiling Fan	31	111	65	30	55	1.5	
T1C	n/a	**Timer Fan** Wall / Ceiling Fan	31	111	65	30	55	1.5	1 to 25 mins
T1EC	n/a	**Economy Timer Fan** Wall / Ceiling Fan	27	98	57	30	41	0.8	3 to 15 mins

ACCESSORIES

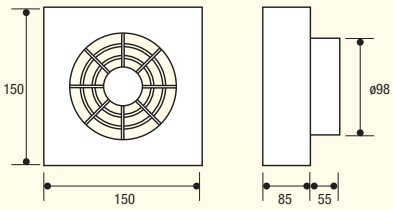
Boxed	Prepack	Description	Fitting size	Specification
		100mm Centrifugal Fan Boxes		
2CB	n/a	Fan box for P1C/T1C to PolyVent 225	To fit 234 x 29mm ducting	Connects surface mounted centrifugal fans (P1C/T1C ONLY) to Domus PolyVent 225 ducting without the need for additional adapters. Helps to provide optimum airflow conditions.
3CB	n/a	Fan box for P1C/T1C to PolyVent 300	To fit 308 x 29mm ducting	Connects surface mounted centrifugal fans (P1C/T1C ONLY) to Domus PolyVent 300 ducting without the need for additional adapters. Helps to provide optimum airflow conditions.

DIMENSIONS

P1C/T1C

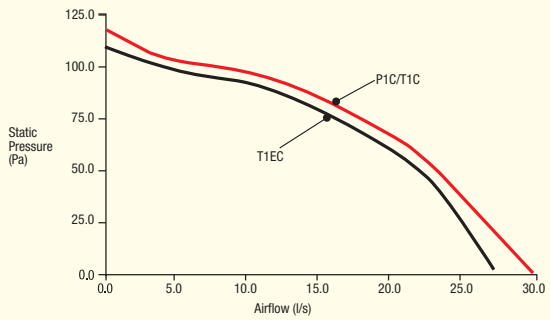


T1EC



All measurements in mm. Drawings not to scale.

PERFORMANCE GRAPH



ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz

Insulation class II / Double insulated

Splash-proof (equivalent IPx4)

Motors fitted with standard thermal fuses

Wiring must comply with latest IEE Wiring Regulations (BS7671)

DOMUS 100MM IN-LINE DUCT FANS

- Exceeds Building Regulations for bathrooms and toilets
- Ideal for installation within shower cubicles
- BSI Kitemarked to BS EN 60335 for electrical safety
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Two model options
- Stainless steel ball bearing versions
- Quick and easy installation
- Kits including two grilles and 3m of flexible ducting can be supplied
- VentLight kit available
- Three year guarantee

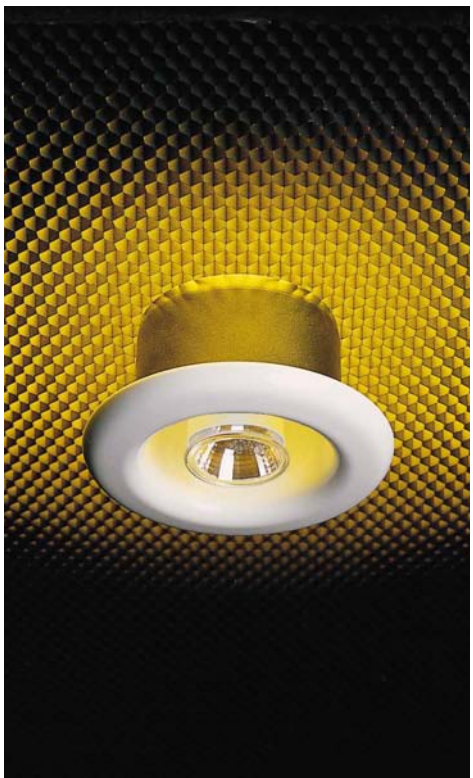
The DOMUS 100mm mixed flow in-line duct fan has been designed to provide a high extract rate over long distances where a high rate of extraction is a prerequisite.

The unit is produced in clean white ABS with detachable mounting foot to allow fast trouble free installation.

Model options include: Standard and Timer. Models are also available with a stainless steel ball bearing motor providing greater efficiency, lower noise and longer life.

Available as a prepacked kit including inlet and outlet grilles and 3m of flexible PVC ducting.

The 100mm range exceeds the Building Regulations requirement of 15 l/s for bathrooms.



VentLight

The stylish Domus VentLight incorporates a low voltage light and air vent. Ideal for shower cubicles.

DOMUS 100MM IN-LINE DUCT FANS

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m^3/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model	Light
		Standard Duct Fans								
S1D	n/a	Duct Fan	17	58	36	15	-	0.5		
SB1D	n/a	Duct Fan with Ball Bearing Motor	17	58	36	15	-	0.5		
S1DK	S1DKR	Duct Fan & Ceiling Kit	-	-	-	15	-	0.5		
		Standard VentLight Kits								
LS1DK	LS1DKR	Duct Fan & VentLight Ceiling Kit - White	-	-	-	15	-	0.5		
LS1DKCH	LS1DKCHR	Duct Fan & VentLight Ceiling Kit - Chrome	-	-	-	15	-	0.5		
LS1DKGD	LS1DKGDR	Duct Fan & VentLight Ceiling Kit - Gold	-	-	-	15	-	0.5		
LS1DKAL	LS1DKALR	Duct Fan & VentLight Ceiling Kit - Brushed Aluminium	-	-	-	15	-	0.5		
		Timer Duct Fans								
T1D	n/a	Duct Fan	17	58	36	15	-	0.5		
TB1D	n/a	Duct Fan with Ball Bearing Motor	17	58	36	15	-	0.5		
T1DK	T1DKR	Duct Fan & Ceiling Kit	-	-	-	15	-	0.5		
		Timer VentLight Kits								
LT1DK	LT1DKR	Duct Fan & VentLight Ceiling Kit - White	-	-	-	15	-	0.5		
LT1DKCH	LT1DKCHR	Duct Fan & VentLight Ceiling Kit - Chrome	-	-	-	15	-	0.5		
LT1DKGD	LT1DKGDR	Duct Fan & VentLight Ceiling Kit - Gold	-	-	-	15	-	0.5		
LT1DKAL	LT1DKALR	Duct Fan & VentLight Ceiling Kit - Brushed Aluminium	-	-	-	15	-	0.5		

Ceiling kit performance figures cannot be given as they vary on the installation.

Ceiling kits are supplied with inlet, 3m of compressed PVC flexible duct, brown louvred outlet (and flaps for conversion to gravity flap outlet) and all necessary fixings.

VentLight contains 12V 35W halogen floodlight with cover lens. Kits include 12V 60W transformer.

ACCESSORIES

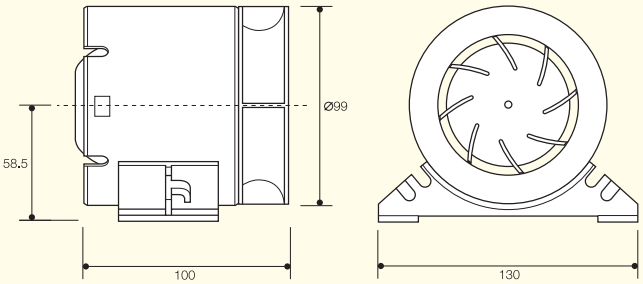
Boxed	Prepack	Description	Fitting size	External Dimensions	Specification
		100mm VentLight inc. 12V Transformer			
LV1	n/a	White	100mm o.d.	Outer rim 150mm	12V 35W Halogen Floodlight with cover lens. Includes 12V 60W electronic transformer suitable for 12V Halogen lamps.
LV1CH	n/a	Chrome	100mm o.d.	Outer rim 150mm	
LV1AL	n/a	Brushed Aluminium	100mm o.d.	Outer rim 150mm	
LV1GD	n/a	Gold	100mm o.d.	Outer rim 150mm	

WARNING! VentLights must be installed in conjunction with an in-line duct fan

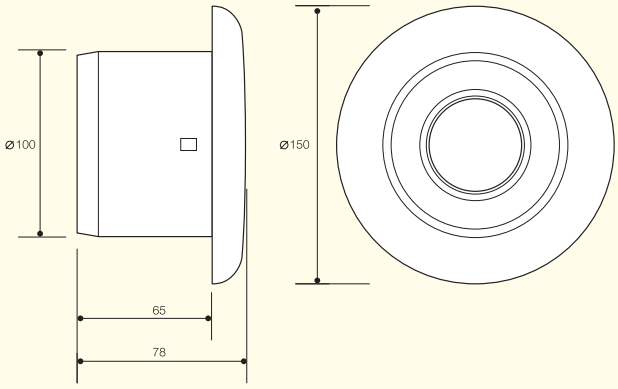
DOMUS 100MM IN-LINE DUCT FANS

DIMENSIONS

100mm In-line Fan



100mm VentLight



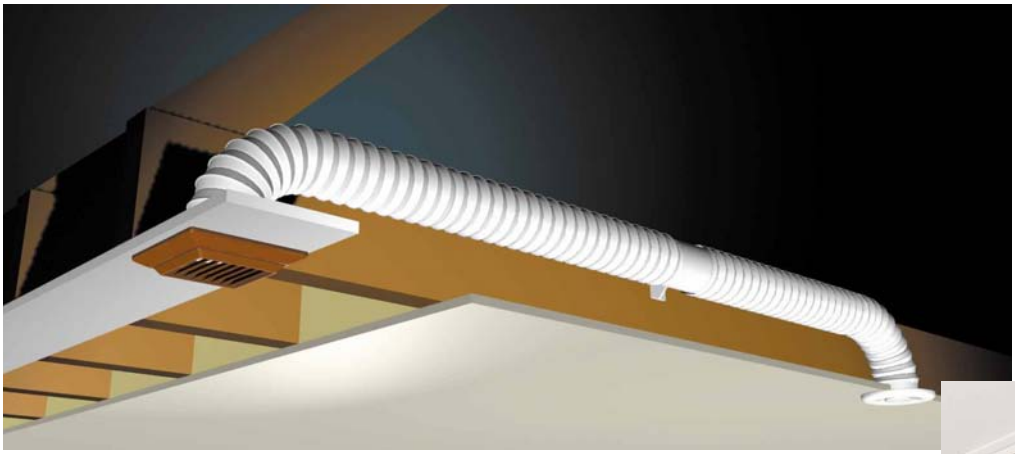
All measurements in mm. Drawings not to scale.

The DOMUS VentLight is a stylish SELV rated air inlet featuring an integral 12V halogen floodlight. It is ideal for safe installation in the bath/shower room and can be installed within the shower cubicle (zone 1). The VentLight can be supplied as a kit complete with transformer, in-line duct fan, flexible duct and external wall outlet. The VentLight is available in white, chrome, gold and aluminium.

The VentLight with 12V transformer is also available with its own without the fan and ceiling kit (see page 61).

In-line Duct Fan and Ceiling Kit comes with louvred outlet and optional gravity flaps.

DOMUS 100MM IN-LINE DUCT FANS



A typical installation of an in-line mixed flow fan. The mixed flow blade design enables effective extraction up to 4m. In-line fans are concealed in the loft or ceiling void.

A condensation trap is recommended if the ducting is installed vertically in an unheated roof void (Domus ref: 497 see Ducting section pages 13 and 27).

ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz

Insulation class II / Double insulated

Drip-proof (equivalent IPx2)

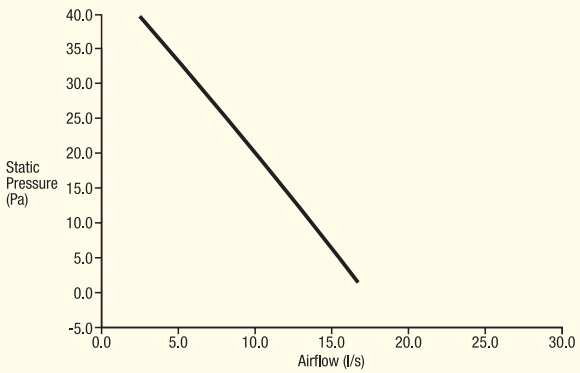
Motors fitted with standard thermal fuses

Wiring must comply with latest IEE Wiring Regulations (BS7671)

VentLight 12V 35W Halogen flood light with covered lens - kits supplied with 60W transformer.

PERFORMANCE GRAPH

Tested to ISO 5801:1997 (Type A).
BSRIA Report Number 14404/1 03/99.



DOMUS 125MM AXIAL FANS

- Exceeds Building Regulations for utility rooms, bathrooms and toilets
- Suitable for window or wall installation
- Kitemarked to BS EN 60335 for electrical safety
- IPx4 Splash-proof rating
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Multiple model options
- Quick and easy installation
- Stainless steel ball bearing versions
- Three year guarantee

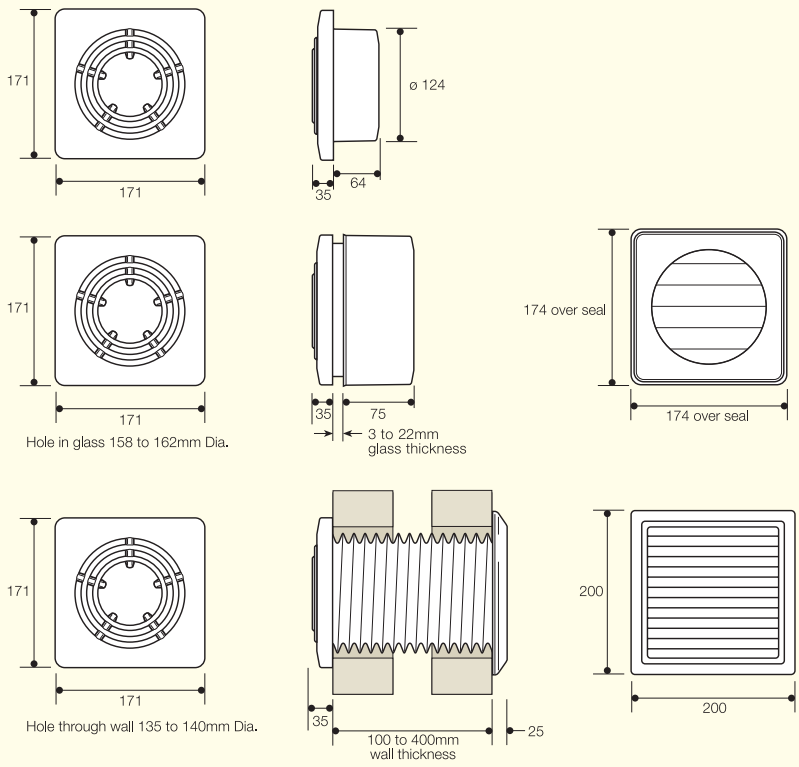
The DOMUS 125mm axial fan is a stylish unit made from safe, durable, high gloss ABS. Suitable for wall or window installation.

Model options include: Standard, Pull-cord Switch, Timer, Humidistat (with or without Pull-cord Switch), Movement Detector and SELV 12V enabling the range to meet most installation requirements. Some models are also available with a stainless steel ball bearing motor providing greater efficiency, lower noise and longer life.

The SELV 12V fan, used in conjunction with a transformer (see page 74) is suitable for safety critical domestic environments and can, therefore, be safely installed within zone 1 near a bath or shower as stated in amendment 3 of BS 7671: 1992. The transformer must be mounted away from the safety critical area.

Exceeds the Building Regulation requirement of 30 l/s for utility rooms.

DIMENSIONS



All measurements in mm. Drawings not to scale.

DOMUS 125MM AXIAL FANS

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
		Standard Fans							
S12	n/a	Wall Fan	49	176	103	25	47.1	0.8	
SB12	n/a	Wall Fan with Ball Bearing Motor	49	176	103	25	47.1	0.8	
		Pull Switch Fans							
P12	n/a	Wall Fan	49	176	103	25	47.1	0.8	
PB12	n/a	Wall Fan with Ball Bearing Motor	49	176	103	25	47.1	0.8	
		Timer Fans							
T12	n/a	Wall Fan	49	176	103	25	47.1	0.8	
TB12	n/a	Wall Fan with Ball Bearing Motor	49	176	103	25	47.1	0.8	
		Movement Detector Fans							
M12	n/a	Wall Fan	49	176	103	25	47.1	0.8	
MB12	n/a	Wall Fan with Ball Bearing Motor	49	176	103	25	47.1	0.8	
H12	n/a	**Humidistat Fan** Wall Fan	49	176	103	25	47.1	0.8	
HP12	n/a	**Humidistat/Pull Switch Fan** Wall Fan	49	176	103	25	47.1	0.8	
SL12	n/a	**SELV 12V Fan** Wall Fan Requires 12V transformer (see page 74)	49	176	103	25	47.1	0.8	

ACCESSORIES

Product Code Boxed	Product Code Prepack	Description	Fitting size	Extract performance* l/s	Extract performance* m³/hr	Extract performance* cfm	Specification
		125mm Fixing Kits					
12K	n/a	Wall Fixing Kit for 125mm axial fans	100-400mm	45	164	96	Contains 400mm of compressed aluminium duct and brown external louvred outlet.
12W	n/a	Window Fixing Kit for 125mm axial fans	3-22mm	39	140	82	Contains window gravity flap outlet, seal and fixings.

ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz (SELV versions 12 V ~ 50Hz)

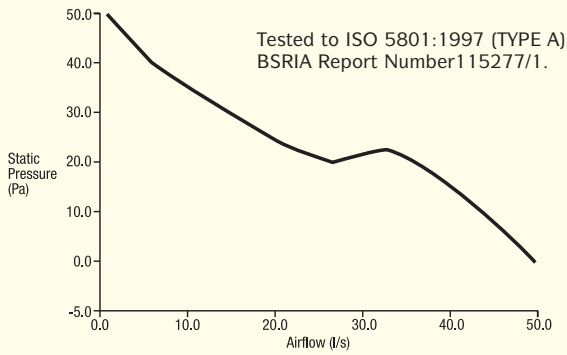
Insulation class II / Double insulated

Splash-proof (equivalent IPx4)

Motors fitted with standard thermal fuses (SELV versions motor fitted with auto-reset thermal cutouts)

Wiring must comply with latest IEE Wiring Regulations (BS7671)

PERFORMANCE GRAPH



DOMUS 125MM IN-LINE DUCT FANS

- Exceeds Building Regulations for utility rooms, bathrooms and toilets
- Kitemarked to BS EN 60335 for electrical safety
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Stainless steel ball bearing versions
- Quick and easy installation
- Two model options
- Three year guarantee

The DOMUS 125mm mixed flow in-line duct fan has been designed to provide extract over long distances where a high rate of extract is a prerequisite.

The unit is produced in clean white ABS with detachable mounting foot allowing fast trouble free installation.

Model options include: Standard and Timer. Models are also available with a stainless steel ball bearing motor providing greater efficiency, lower noise and longer life.

The 125mm range exceeds the Building Regulations requirements of 30 l/s for utility rooms.

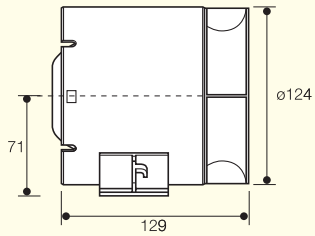
DOMUS 125MM IN-LINE DUCT FANS

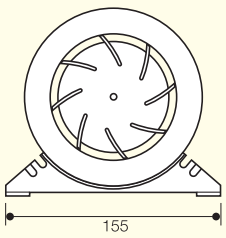
Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
		Standard Duct Fans							
S12D	n/a	Duct Fan	31	112	66	25	-	0.7	
SB12D	n/a	Duct Fan with Ball Bearing Motor	31	112	66	25	-	0.7	
		Timer Duct Fans							
T12D	n/a	Duct Fan	31	112	66	25	-	0.7	1 to 25 mins
TB12D	n/a	Duct Fan with Ball Bearing Motor	31	112	66	25	-	0.7	

ACCESSORIES

Product Code Boxed	Product Code Prepack	Description	Fitting size	Specification
12DK	n/a	**125mm Fixing Kits** Ceiling Kit for 125mm in-line fans	3m	Contains white internal and brown external outlet, 3m of flexible hose and fixings.

DIMENSIONS





All measurements in mm. Drawings not to scale.

ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz

Insulation class II / Double insulated

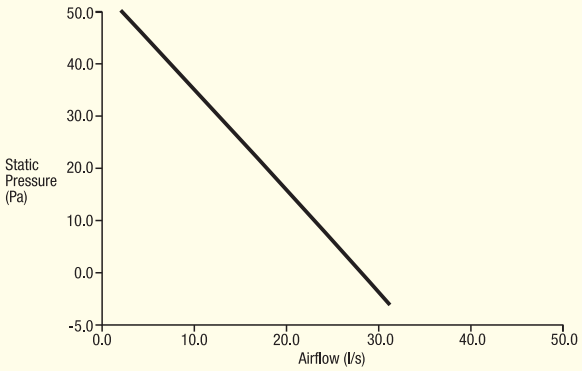
Drip-proof (equivalent IPx2)

Motors fitted with standard thermal fuses

Wiring must comply with latest
IEE Wiring Regulations (BS7671)

PERFORMANCE GRAPH

Tested to ISO 5801:1997 (TYPE A).



DOMUS 150MM AXIAL FANS

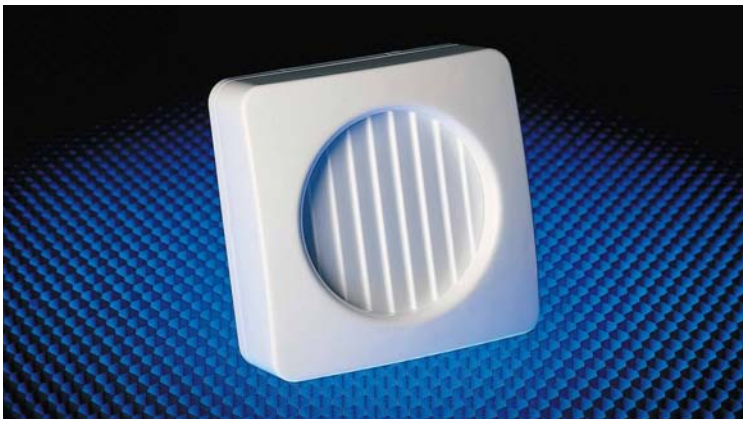
- Exceeds Building Regulations for kitchens, utility rooms and large bathrooms
- Window or wall fixing options
- BSI Kitemarked to BS EN 60335 for electrical safety
- IPx4 Splash-proof rating
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Stainless steel ball bearing versions
- Quick and easy installation
- Multiple model options
- Three year guarantee

The DOMUS 150mm axial fan is a stylish unit made from safe, durable, easily cleaned high gloss ABS. Suitable for wall or window installation.

Model options include: Standard, Pull-cord Switch, Timer, Humidistat (with or without Pull-cord Switch), Movement Detector, Auto Shutter and SELV 12V enabling the range to meet most installation requirements. Some models are also available with a stainless steel ball bearing motor providing greater efficiency, lower noise and longer life.

The SELV 12V fan used in conjunction with a Domus transformer (see page 74) is suitable for safety critical domestic environments and can, therefore, be safely installed within zone 1 near a bath or shower, as stated in amendment 3 of BS7671:1992. The transformer must be mounted away from the source of water spray and out of the safety critical area.

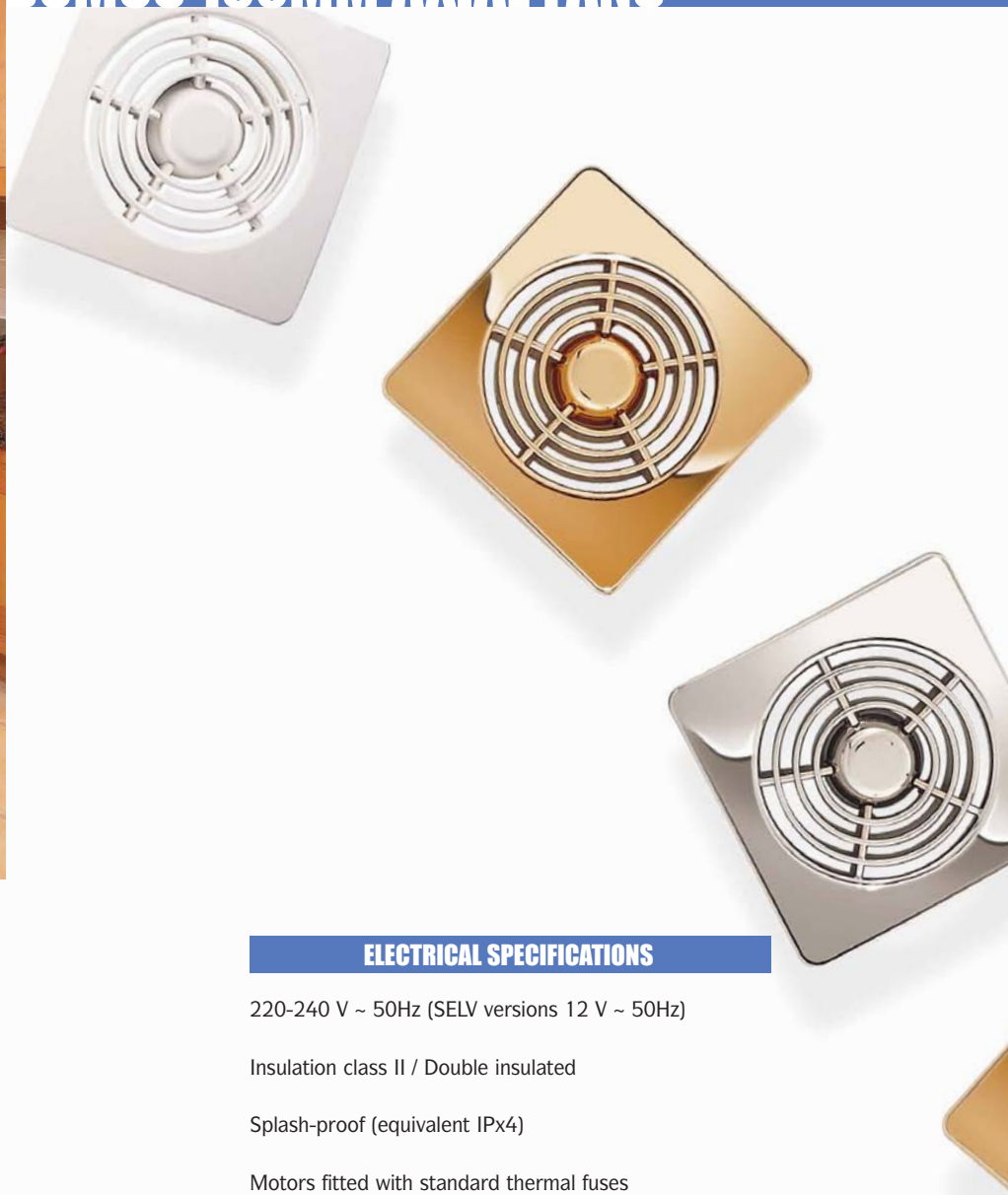
The 150mm range exceeds the Building Regulation requirement of 60 l/s for kitchens.



The Domus Auto-Shutter fan is ideal for exposed, cold, dusty or smoky environments, when back draft prevention is vital.

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
		Standard Fans							
S15	n/a	Wall Fan	69	248	150	33	48.9	0.8	
SB15	n/a	Wall Fan with Ball Bearing Motor	69	248	150	33	48.9	0.8	
S15W	n/a	Window Fan	61	220	128	33	48.9	0.8	
S15K	n/a	Wall Fan & Wall Fixing Kit	64	230	134	33	48.9	0.8	
		Pull Switch Fans							
P15	**P15R**	Wall Fan	69	248	150	33	48.9	0.8	
PB15	n/a	Wall Fan with Ball Bearing Motor	69	248	150	33	48.9	0.8	
P15W	**P15WR**	Window Fan	61	220	128	33	48.9	0.8	
P15K	**P15KR**	Wall Fan & Wall Fixing Kit	64	230	134	33	48.9	0.8	
		Timer Fans							
T15	n/a	Wall Fan	69	248	150	33	48.9	0.8	
TB15	n/a	Wall Fan with Ball Bearing Motor	69	248	150	33	48.9	0.8	
T15W	n/a	Window Fan	61	220	128	33	48.9	0.8	
T15K	n/a	Wall Fan & Wall Fixing Kit	64	230	134	33	48.9	0.8	
		Movement Detector Fans							
M15	n/a	Wall Fan	69	248	150	33	48.9	0.8	
MB15	n/a	Wall Fan with Ball Bearing Motor	69	248	150	33	48.9	0.8	
		Humidistat Fans							
H15	n/a	Wall Fan	69	248	150	33	48.9	0.8	
H15W	n/a	Window Fan	61	220	128	33	48.9	0.8	
H15K	n/a	Wall Fan & Wall Fixing Kit	64	230	134	33	48.9	0.8	
		Humidistat/Pull Switch Fans							
HP15	n/a	Wall Fan	69	248	150	33	48.9	0.8	
HP15W	n/a	Window Fan	61	220	128	33	48.9	0.8	
HP15K	n/a	Wall Fan & Wall Fixing Kit	64	230	134	33	48.9	0.8	
		Auto Shutter Fans							
AS15	n/a	Standard Wall Fan	69	248	150	39	48.9	0.9	
AP15	n/a	Pull Switch Wall Fan	69	248	150	39	48.9	0.9	
AT15	n/a	Timer Wall Fan	69	248	150	39	48.9	0.9	
SL15	n/a	**SELV 12V Fan** Wall Fan Requires 12V transformer (see page 74).	69	248	150	33	48.9	0.8	

DOMUS 150MM AXIAL FANS



ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz (SELV versions 12 V ~ 50Hz)

Insulation class II / Double insulated

Splash-proof (equivalent IPx4)

Motors fitted with standard thermal fuses

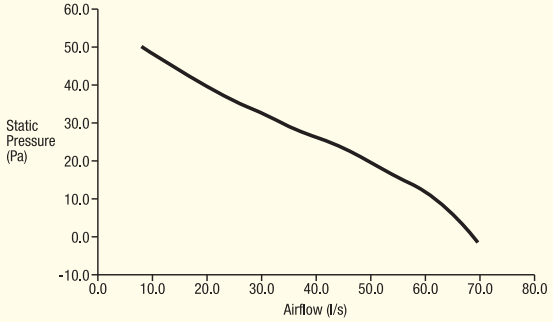
(SELV versions motor fitted with auto-reset thermal cutouts)

Wiring must comply with latest IEE Wiring Regulations (BS7671)

SELV fans provide safety from intense condensation build up.

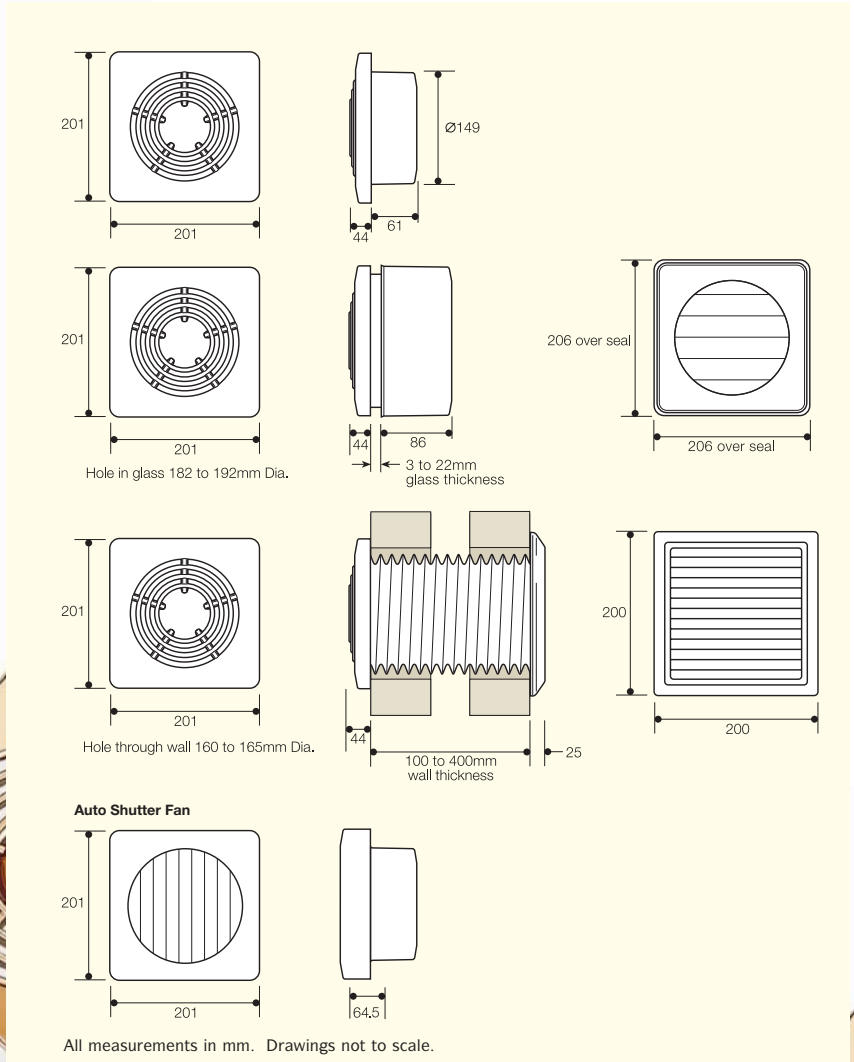
PERFORMANCE GRAPH

Tested to ISO 5801:1997 (Type A).
BSRIA Report Number 14404/1 03/99.



DOMUS 150MM AXIAL FANS

DIMENSIONS



All measurements in mm. Drawings not to scale.

Window fan installation

ACCESSORIES

Product Code Boxed	Product Code Prepack	Description	Fitting size	Extract performance* l/s	Extract performance* m³/hr	Extract performance* cfm	Specification
		150mm Fixing Kits					
15K	15KR	Wall Fixing Kit for 150mm axial fans	100-400mm	64	230	134	Contains 400mm of compressed aluminium duct and brown external louvred outlet.
15W	15WR	Window Fixing Kit for 150mm axial fans	3-22mm	61	220	128	Contains window gravity flap outlet, seal and fixings.

Boxed	Prepack	Description	Connects to	External Dimensions	Specification
		150mm Interchangeable Fascias			
n/a	F15CHR	Chrome	150mm axial fan	201 x 201mm	For installation with all 150mm axial fans except HP (Humidistat with Pull Switch), M (Movement Detector) and A (Auto Shutter) models.
n/a	F15ALR	Brushed Aluminium	150mm axial fan	201 x 201mm	
n/a	F15GDR	Gold	150mm axial fan	201 x 201mm	

** when installed with appropriate Domus fan.*

DOMUS 150MM IN-LINE DUCT FANS

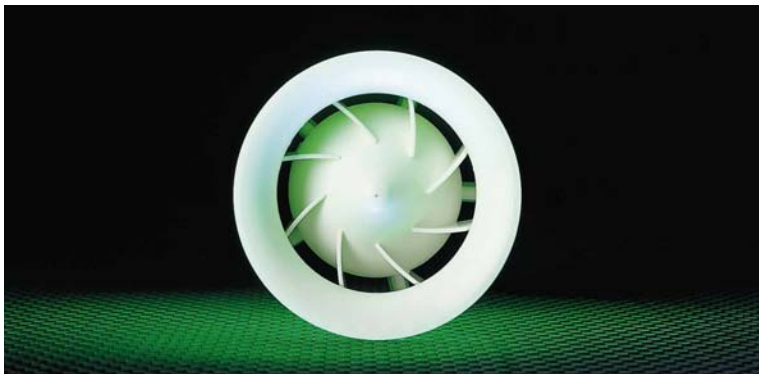
- Exceeds Building Regulations for kitchens, utility rooms and large bathrooms
- BSI Kitemarked to BS EN 60335 for electrical safety
- Tough white high gloss ABS (fire retardant and UV stabilised)
- Stainless steel ball bearing versions
- Quick and easy installation
- Two model options
- Three year guarantee

The DOMUS 150mm mixed flow in-line duct fan has been designed to provide extract over long distances where a high rate of extract is a prerequisite.

The unit is produced in clean white ABS with detachable mounting foot allowing fast trouble free installation.

Models include: Standard and Timer versions. Models are also available with a stainless steel ball bearing motor providing greater efficiency, lower noise and longer life.

The 150mm range exceeds the Building Regulations requirements of 60 l/s for kitchens.



IN-LINE MIXED FLOW FANS

The Domus in-line duct fans utilise a mixed flow blade designed for air movement over medium distances (2 to 4m). A mixed flow impeller combines the features of a centrifugal and normal axial fan and the higher pressure generated allows it to move air over longer distances.

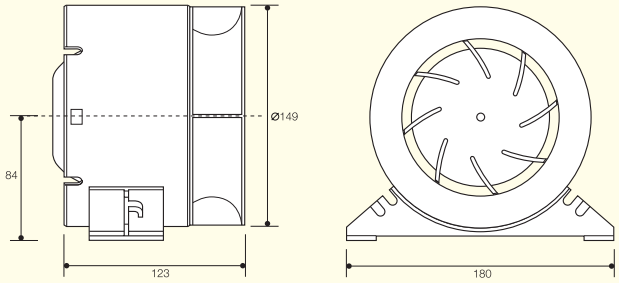
DOMUS 150MM IN-LINE DUCT FANS

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @ 3m	Weight kg	Model
		Standard Duct Fans							
S15D	n/a	Duct Fan	62	224	130	33	-	0.7	
SB15D	n/a	Duct Fan with Ball Bearing Motor	62	224	130	33	-	0.7	
		Timer Duct Fans							
T15D	n/a	Duct Fan	62	224	130	33	-	0.7	
TB15D	n/a	Duct Fan with Ball Bearing Motor	62	224	130	33	-	0.7	

ACCESSORIES

Product Code Boxed	Product Code Prepack	Description	Fitting size	Specification
15DK	n/a	**150mm Fixing Kits** Ceiling Kit for 150mm in-line fans	3m	Contains white internal and brown external outlet, 3m of flexible hose and fixings.

DIMENSIONS



All measurements in mm. Drawings not to scale.

ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz

Insulation class II / Double insulated

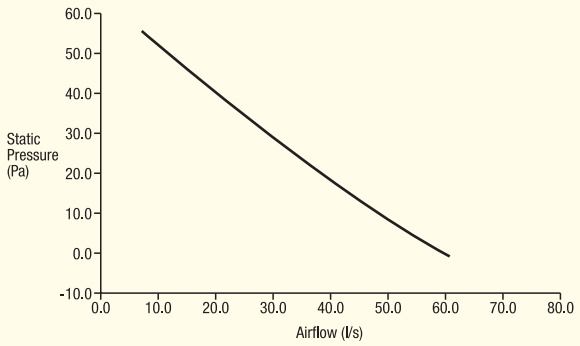
Drip-proof (equivalent IPx2)

Motors fitted with standard thermal fuses

Wiring must comply with latest IEE Wiring Regulations (BS7671)

PERFORMANCE GRAPH

Tested to ISO 5801:1997 (Type A).



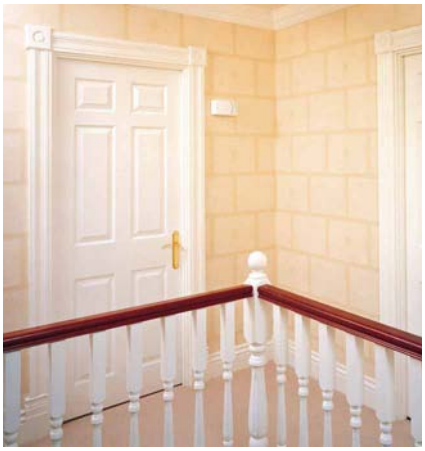
DOMUS 12 VOLT TRANSFORMERS

Product Code Boxed	Product Code Prepack	Description	Model
VS	n/a	**12 Volt Transformer - Standard** Transformers are designed for remote operation.	
VP	n/a	**12 Volt Transformer - Pull Switch** Transformers have the addition of a pull-cord for manual operation.	
VT	n/a	**12 Volt Transformer - Timer** Transformers are fitted with a remotely operated electronic overrun timer adjustable from 1 to 25 minutes.	
VH	n/a	**12 Volt Transformer - Humidistat** Transformers are fitted with an integral condensation control facility, adjustable between 60 and 80% RH, which enables the fan to continuously monitor humidity levels.These models also incorporate the overrun timer installed in VT models to facilitate remote operation.	
VHP	n/a	**12 Volt Transformer - Humidistat/Pull Switch** Models have the same control options as the VH with the addition of a pull-cord switch and green LED indicator to provide a manual override.	

Transformers are available in retail packaging with a SELV fan and complete installation kit - see page 54 for details.

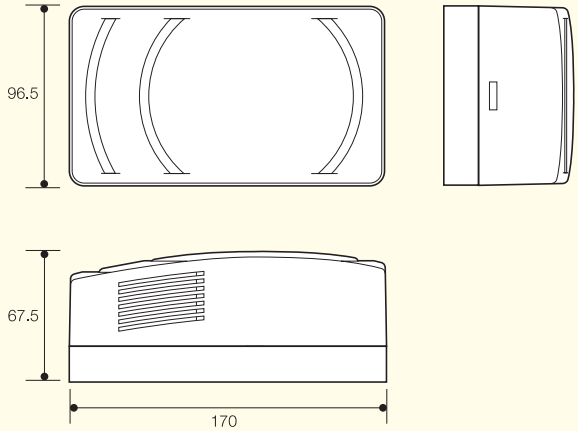
The DOMUS range of 12 Volt transformers must be used when installing a Domus SELV axial fan (see pages 54, 65 and 69). Transformers must be mounted away from any source of water spray and out of the safety critical area (zone 0,1 or 2 as stated in amendment 3 of BS7671:1992).

The transformers are fitted with multiple control options to suit the whole Domus SELV range of fans and incorporate a green LED to indicate that the system is in operation.



A typical installation of a Domus VS 12 Volt Transformer

DIMENSIONS



All measurements in mm. Drawings not to scale.

MULTI ROOM EXTRACT SYSTEM

- Low running cost
- Complies with the Building Regulations (BRE Digest 398)
- Adaptable for different installations
- Can be wired for 2 speed operation
- Includes installation kit
- Easy to install
- Exceptionally quiet in operation
- 2 year guarantee

The DOMUS Multi Room Extract (MRE) system is a stylish and compact unit that provides a highly efficient and low cost form of continuous and controlled domestic ventilation from a single extraction unit. Its adaptability enables the system to be suitable for common house layouts and can be used in up to five rooms.

The MRE system prevents the need for multiple fans in different rooms and reduces, to one, the number of external outlets required.

A two speed* ball bearing motor is fitted to ensure long life and efficiency. The second speed acts as a powerful extraction boost which should be used when the removal of moisture and unwanted air is most needed e.g. after a bath or during cooking.

The 80mm inlets are for use in the bathroom or WC and the 125mm inlet should be used in the kitchen.

Fan spigots are fitted with flow regulators to balance the system. A simple to operate cursor device regulates the airflow in the kitchen.

The MRE system is normally installed in the loft or ceiling void and can be either fixed to a solid object (such as a joist or pillar) with a bracket, or it can be suspended with the cord provided in the kit. Suspending the system has the benefit of reducing unnecessary noise vibration.

Remember that extraction systems remove air from the building and in order to balance the airflow, provision must be made for replacement air.

**A single pole changeover switch is required.*

MULTI ROOM EXTRACT SYSTEM

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	Weight kg	Electrical Specification
MREK	n/a	**Multi-Room Extractor Kit** Two speed operation **Low Speed** **High Speed**	 58 103	 210 370	 122 216	 27 90	2.4	Electricity Supply 220 - 240V~50 Hz

The internal fan system of the unit is of the external rotor motor type designed for durability with low maintenance levels. The impeller generates high pressure levels to overcome duct resistance, but also minimises indoor sound levels to almost inaudible levels.

The system comes supplied as a kit with:

- 4 x 6m lengths of 80mm dia. PVC flexible hose
- 2 x 6m lengths of 125mm dia. PVC flexible hose
- 4 x 80mm dia. inlet (white)
- 1 x 125mm dia. inlet (white)
- Suspension cord
- Installation instructions

N.B. External outlet is not included. Please refer to the Ducting section (pages 9-13 for options).

5900 Gravity Flap Outlet

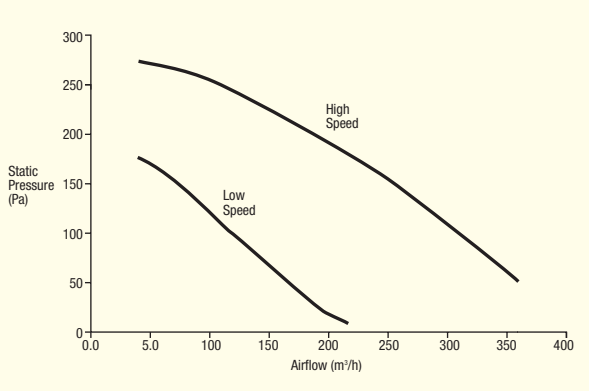
5902 Cowled Outlet

5904 Louvred Grille

The Domus MREK is only available for sale within the British Isles.

DIMENSIONS & PERFORMANCE GRAPH

dimensions in mm



ELF FANS

- Exceptional value for money
- Exceeds Building Regulations for bathrooms and toilets
- Wall fixing option
- IPx4 Splash-proof rating
- Three model options
- Easy installation
- Three year guarantee

Low Cost No Frills

ELF is a 'no frills' range that still provides the basic requirements for a simple domestic installation and, of course, exceeds the Building Regulations. An excellent alternative to the higher specification standard Domus range of fans.

The ELF fan range is a new generation of economy extractor fan. It provides high performance and offers exceptional value for money.

The ELF has been designed with ease of installation and simplicity in mind, making it extremely contractor friendly. It is also discreet and has a footprint of only 140mm x 140mm.

ELF can be installed in bathrooms or WCs, as it exceeds the Building Regulations for these rooms and can be wall or ceiling mounted. Models include: Standard, Timer and Humidistat versions.

Available in robust boxes with clear colour coded model identification labels it is suitable for installation with Domus ducting components and fan accessories.

ELF FANS

Product Code Boxed	Product Code Prepack	Description	Extract performance l/s	Extract performance m³/hr	Extract performance cfm	Power W	dB(A) @3m	Weight kg	Model
ELFS	n/a	Standard ELF Fan	18	65	38	19	41.4	0.5	
ELFT	n/a	Timer ELF Fan	18	65	38	19	41.4	0.5	
ELFH	n/a	Humidistat ELF Fan	18	65	38	19	41.4	0.5	
ELFK	n/a	Wall Fixing Kit for use with ELF	18	65	38	19	41.4	0.5	

Wall Fixing Kit contains 400mm of compressed aluminium duct and brown external louvred outlet (plus flaps for conversion to a gravity flap outlet if preferred).
Performance figures shown for ELFK are when installed with an ELF fan.

Standard

Switch fan on/off manually by remote switch e.g. light switch.

Timer

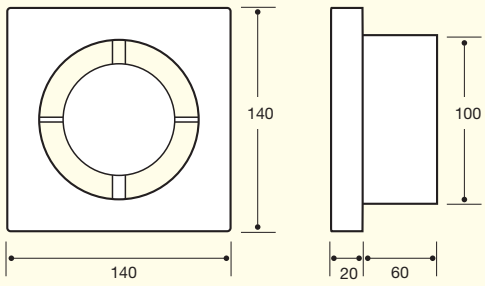
Fan switches on using a remote switch (light) and includes an adjustable overrun timer (1 to 25 mins) so that the fan continues to remove excess moisture and odours after switching off the fan

Humidistat

Switches on/off automatically once a preset level of humidity is reached. Also includes timer function. Condensation control is adjustable between 60 & 80% RH @ 21°C which enables the fan to continuously monitor humidity levels.

Fascias from the standard range of Domus fans are not compatible with ELF
Not suitable for window installation

DIMENSIONS



All measurements in mm. Drawings not to scale.

ELECTRICAL SPECIFICATIONS

220-240 V ~ 50Hz

Insulation class II / Double insulated

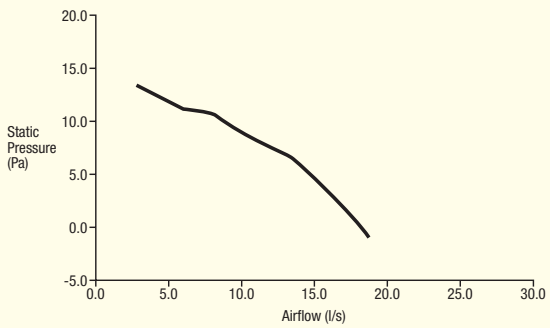
Splashproof (equivalent IPx4)

Motors fitted with standard thermal fuses

Wiring must comply with latest IEE Wiring Regulations (BS7671)

PERFORMANCE GRAPH

Tested to ISO 5801: 1997 (TYPE A)
BSRIA Report No. 18170/1 May 2003



DUCTING & FIREBRAKE

INDEX BY CODE

FANS

E & OE We reserve the right to alter product specification without prior notice