Silavent DOMUS

Uniclass L7534	
CI/SfB	(57) X

PVSB-3 January 2015

Polypipe Ventilation Product Selector

• Mechanical Ventilation with Heat Recovery • Mechanical Extract Ventilation
• Intermittent Extract Fans • Rigid and Semi-Rigid Duct Systems

Polypipe

Contents

Polypipe Ventilation

A member of the UK-based Polypipe Group

Company Overview

As a leading designer and manufacturer of energy saving ventilation systems, our exclusive Domus duct products and Silavent mechanical extract appliances offer a high quality solution for domestic and light commercial applications.

Our market leading brands

Silavent

With over 50 years presence in the UK market, the Silavent brand has a well deserved reputation for quality and reliability.

The range includes award winning, high performing and energy efficient mechanical extract ventilation appliances; available to suit a wide variety of domestic applications and dwelling sizes.

DOMUS

Our market leading Domus duct systems help customers to achieve the highest possible efficiency from Silavent mechanical extract appliances. Through our investment in premium extrusion and injection mould tooling, our Domus range is manufactured to exacting tolerances, which virtually eliminates air leakage and minimises the pressure drop associated with ducting and consequently, system energy consumption.

Innovative systems that give peace of mind

At Polypipe we continuously strive to develop new products which not only improve indoor air quality and reduce household energy usage, but also make specifying and installing ventilation systems much easier.

Designed and manufactured in the UK, our systems include patented and patent pending products, specifically engineered to meet the evolving requirements of the ventilation industry and provide optimum homeowner comfort.

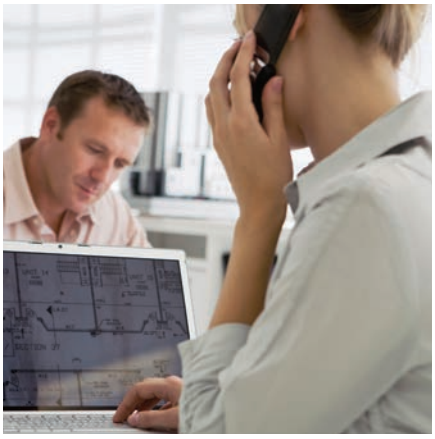
We like to go that step further

Understanding your ventilation requirements is integral to ensuring that we tailor our product solutions to meet your needs. We not only offer products that comply with Building Regulations and reduce Dwelling Emission Rates (DER) for a higher SAP rating, but also offer services including:

- Quotations and specifications
- FREE bespoke CAD drawings
- On-site engineering assistance
- Commissioning and servicing
- CPD training
- On-line training resources
- BPEC accredited installer training
- Dedicated customer service support:

  UK: 08443 715523
  International: +44 (0)1302 348878

For more information on our support services see page 66.



For further explanation on any technical terms used in this brochure please refer to our glossary on page 72.

Innovative ▪ High quality ▪ Trusted ▪ Energy efficient ▪ Reliable ▪ Compliant ▪ Practical ▪ Easy to install

Example of a typical MVHR system

Fresh filtered air from outside is pre-warmed via the heat exchanger.

Why Fresh, Clean Indoor Air is Important

All dwellings need a supply of fresh outdoor air, not just for the health and comfort of the occupants, but also to disperse polluted air from inside a dwelling.

In new energy efficient houses greater levels of air tightness lead to poor indoor air quality and other, more visible impacts such as condensation damage and mould growth.

To combat these issues we offer a range of ventilation solutions which comply with current Building Regulation requirements and are suitable for a wide variety of dwelling types.

Ventilating In Line with Building Regulations

Building Regulations require that all new homes meet a specific Target Emission Rate (TER) as detailed in Approved Document L1 A.

To help meet this target, employing the most suitable and compliant ventilation system will reduce the amount of other efficiency measures required to lower the actual Dwelling Emission Rate (DER). The TER and the DER are generated by the Standard Assessment Procedure (SAP) program, using appliance test data held on the Product Characteristics Database (PCDB) – previously known as SAP Appendix Q. Read more on our energy efficient systems below.

Mechanical Ventilation with Heat Recovery (MVHR)

IDEAL FOR NEW BUILD

Continuous supply and extract ventilation incorporating heat recovery ~ for whole house application

Advantages

- Reduces household energy consumption
- Extracts waste and polluted air
- Filters incoming air from the outside
- Provides controlled, fresh pre-warmed air
- Improves whole house indoor air quality
- Helps lower the Dwelling Emission Rate
- Reduces demand on existing heating system

Considerations

- Complexity of installation and commissioning
- Requires high levels of dwelling air tightness for greater efficiency

To select your Silavent MVHR unit visit page 6.

Mechanical Extract Ventilation (MEV)

IDEAL FOR NEW BUILD

Continuous extract ventilation ~ for whole house application

Advantages

- Extracts waste and polluted air
- Improves whole house indoor air quality
- Helps lower the Dwelling Emission Rate
- Easy to install
- Simple to operate

Considerations

- Ducts from all wet rooms
- Requires balancing and commissioning
- Background ventilation required i.e. air inlets

To learn more about the Silavent MEV unit visit page 11.

Decentralised Mechanical Extract Ventilation (dMEV)

IDEAL FOR NEW BUILD & REPLACEMENT

Continuous, quiet extract ventilation ~ for a single wet room

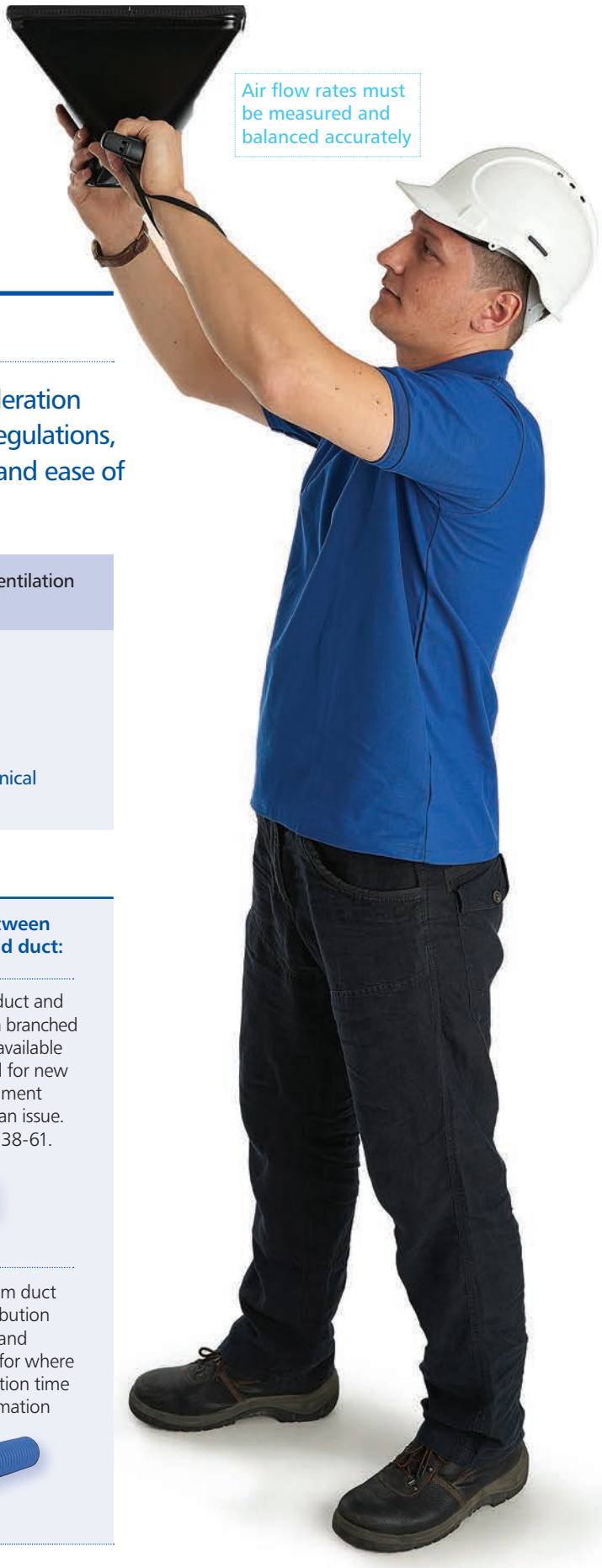
Advantages

- Helps to reduce condensation and mould
- Provides constant local extract
- Quiet levels of performance
- Helps lower the Dwelling Emission Rate
- Simple to operate

Considerations

- Background ventilation required i.e. air inlets

To select your Silavent dMEV unit visit page 14.



Selecting the Most Suitable Ventilation System

When specifying or installing a ventilation system, consideration must be given to the total floor area, national Building Regulations, air permeability, occupancy levels, installation standards and ease of user operation and maintenance...

...this catalogue has been designed to help you easily select the optimum ventilation system for your property.

1. Choose a suitable ventilation technology from the list below
2. Navigate through to a recommended unit
3. Select a suitable ducting system

For further assistance on a quote or project design please call our Technical team on 08443 715523 or email vent.tech@polypipe.com

Intermittent Extraction Fans

IDEAL REPLACEMENT

Intermittent extract ventilation ~ for a single wet room

Advantages

- Help to reduce condensation and mould
- Provide rapid local extract
- Easy to install
- Simple to operate

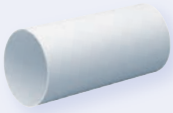
Considerations

- Occupants may not use
- Background ventilation required i.e. air inlets

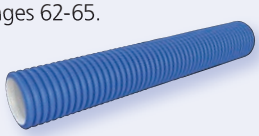
To select your Silavent bathroom or kitchen fan visit page 16.

The difference between rigid and semi-rigid duct:

Rigid – traditional straight duct and fittings, typically installed in a branched configuration. Rigid duct is available in a variety of sizes and ideal for new build and all major refurbishment projects where space is not an issue. More information on pages 38-61.



Semi-rigid Radial – Ø75mm duct which uses a manifold distribution system and is ideal for new and refurbishment projects and for where space is restricted or installation time is at a premium. More information on pages 62-65.



Mechanical Ventilation with Heat Recovery (MVHR)

Helps to create a healthy and clean indoor air environment whilst reducing household energy consumption

Inadequate ventilation coupled with airborne pollutants can all lead to poor indoor air quality and as a consequence may have a detrimental effect on an occupant's health and comfort.

Incorporating a highly efficient Mechanical Ventilation with Heat Recovery (MVHR) system is an effective way of avoiding this and helps to maintain a healthy living indoor environment.

How it works

Also referred to as System 4 in Approved Document F of the Building Regulations, MVHR efficiently combines supply and extract ventilation into one centralised system.

As its primary function, waste, polluted and moist air is extracted from a dwelling's wet rooms via a duct system and is passed through a heat exchanger before being exhausted outside. Fresh incoming air is filtered and as an added benefit, pre-warmed via the heat exchanger and evenly distributed to the habitable rooms, thus reducing household energy consumption and the demand on existing heating systems.

The technology is most effective when installed in an air-tight dwelling as the effect is not compromised by external leakage.

As a benefit to developers, specifiers and housebuilders alike, the incorporation of a highly efficient heat exchanger will also help lower Dwelling Emission Rates (DER) and therefore provide higher SAP ratings.

Breathe easy in a healthy home

MVHR Unit Selector

Are you looking to ventilate a whole house or single room

Whole House

Is the floor area up to 180m²?

Yes → Silavent Green Line HRX MVHR unit on page 8 — IDEAL FOR NEW BUILD

No

Is the floor area between 180m² and 275m²?

Yes → Silavent Green Line HRX2 MVHR unit on page 9 — IDEAL FOR NEW BUILD

No

Is the floor area greater than 275m²?

Yes → Multiples of Silavent Green Line HRX and HRX2 MVHR units can be sited
Please call 08443 715523 for a free quotation

Single room

Silavent Energex SRHRV unit on page 10 — IDEAL FOR REPLACEMENT

Silavent Green Line HRX and HRX2 Range Introduction

Superior performance coupled with simple installation and operation.

Key benefits

- Improve indoor air quality through continuous balanced ventilation
- Help reduce the Dwelling Emission Rate (DER) to secure additional SAP points
- Provide peace of mind that the units performance levels comply with current Building Regulation requirements
- Reduce household energy consumption
- Easy and quick to install, commission and maintain

Key features

- Distinct moulded lightweight EPP casing improves thermal efficiency and maximises air flow
- Wiring centre is mounted remotely, taking away the need to dismantle the unit to install and preventing moisture from damaging the electrics
- 100% summer bypass option maintains air flow performance
- Designed for left or right installation – no need for complex duct runs

When installed with Domus duct systems, the HRX range provides the ultimate energy saving ventilation system

Lightweight and easy to install

www.polypipe.com/ventilation/mvhr | Warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

Silavent Green Line HRX - Centralised MVHR Unit

HELPS RECOVER WASTE HEAT

Silavent

In more detail:

- Low Specific Fan Power down to 0.58 W/(l/s)
- Heat exchange efficiency up to 88%
- Compact and extremely lightweight (11.5kg)
- Winner of Housebuilder's Best Services Product of the Year

Installation:

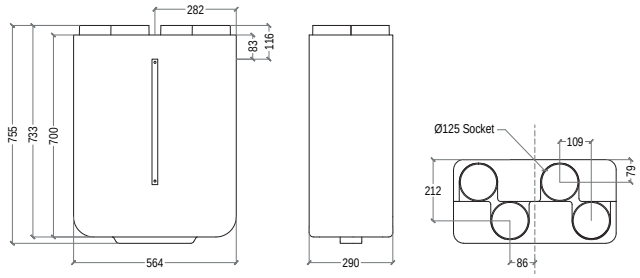
- Floor area up to 180m²
- Fits inside a kitchen cupboard or loft space

Recommended duct ancillaries:

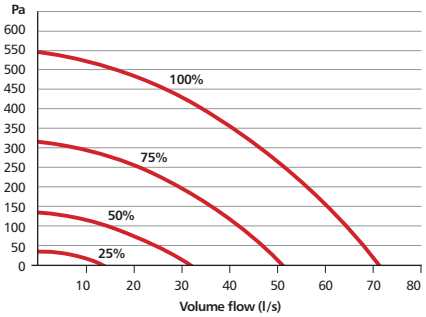
- Domus Ø125mm or 204x60mm rigid duct. See pages 38-61 or Domus Radial house pack with semi-rigid duct and HRX unit. See page 63
- Domus condensate drainage and duct connector kits. Please see accessories table

Specification	230V
Max Extract Volume (m³/h)	260
Max Extract Volume (l/s)	72
Max Pressure (Pa)	550
Max Power (W)	184
Supply Frequency (Hz)	50
Max Sound dB(A)@3m	35
Insulation Class	1
Weight (kg)	11.5
Max Operating Temperature (°C)	40

Dimensions



Performance



Models	Summer Bypass	Frost Protection	Glossy White Fascia	Ceiling Mounted
HRX-S				
HRX-B	•			
HRX-FP		•		
HRX-BFP	•	•		
HRX-FS			•	
HRX-FB	•		•	
HRX-FFP		•	•	
HRX-FBFP	•	•	•	
HRX-B-C	•			•

Controls	Timer	Humidity	Neon Indicator	Duct Mounted Sensor	PIR	6 Input Junction Box	Glossy White Fascia Upgrade	Condensate Drainage Kit	Air Filter (2 Pack)	Duct Connector Kit	1 yr Extended Warranty	3 yrs Extended Warranty
ANC108A	•											
ELE150R						•						
ANC802A	•	•										
ANC808A	•	•	•									
ANC846A	•	•		•								
ANC813A	•				•							
Accessories												
HRXC-F							•					
297								•				
HRXC-AF									•			
HRX-CK1										•		
HRX-Silver											•	
HRX-Gold												•

Product Characteristics Database

Application	SFP W/(l/s) (2009)	Heat Exchange Efficiency (2009)	SFP W/(l/s) (2012)	Heat Exchange Efficiency (2012)
Kitchen & 1 wet room	0.58	88%	0.63	87%
Kitchen & 2 wet rooms	0.61	86%	0.75	86%
Kitchen & 3 wet rooms	0.68	86%	0.93	85%
Kitchen & 4 wet rooms	0.78	86%	1.14	84%
Kitchen & 5 wet rooms	0.91	85%	1.37	84%
Kitchen & 6 wet rooms	1.08	84%	-	-
Kitchen & 7 wet rooms	1.24	84%	-	-

www.polypipe.com/ventilation/HRX | Warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

Silavent Green Line HRX2 - Centralised MVHR Unit

HELPS RECOVER WASTE HEAT

Silavent

In more detail:

- Extremely low Specific Fan Power down to 0.46 W/(l/s)
- Heat exchange efficiency up to 95%
- Modular bypass design removes any need to dismantle the unit during installation

Installation:

- Floor area up to 275m²
- Fits inside a utility room or loft space
- Ideal for larger developments

Recommended duct ancillaries:

- Domus Ø150mm or 220x90mm rigid duct. See pages 38-61 or Domus Radial house pack with semi-rigid duct and HRX2 unit. See page 64
- Domus condensate drainage and duct connector kits. Please see accessories table

2 YEARS WARRANTY

PREMIUM

PATENT PENDING

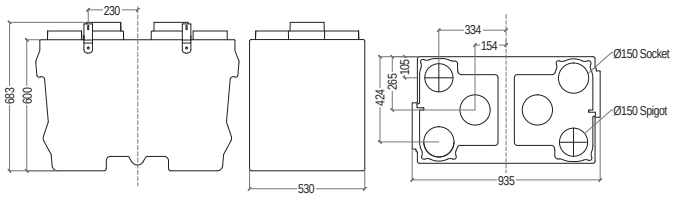
IDEAL FOR NEW BUILD

MANUFACTURED IN THE UK

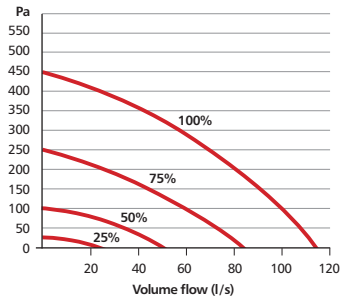
CE

Specification	230V
Max Extract Volume (m³/h)	406
Max Extract Volume (l/s)	113
Max Pressure (Pa)	450
Max Power (W)	184
Supply Frequency (Hz)	50
Max Sound dB(A)@3m	35
Insulation Class	1
Weight (kg)	20
Max Operating Temperature (˚C)	40

Dimensions



Performance



Product Characteristics Database

Application	SFP W/(l/s) (2009)	Heat Exchange Efficiency (2009)	SFP W/(l/s) (2012)	Heat Exchange Efficiency (2012)
Kitchen & 1 wet room	0.53	95%	0.48	94%
Kitchen & 2 wet rooms	0.47	94%	0.50	94%
Kitchen & 3 wet rooms	0.46	94%	0.59	93%
Kitchen & 4 wet rooms	0.52	93%	0.71	92%
Kitchen & 5 wet rooms	0.57	92%	0.85	91%
Kitchen & 6 wet rooms	0.67	92%	1.00	90%
Kitchen & 7 wet rooms	0.77	91%	1.15	89%

Models	Summer Bypass	Frost Protection
HRX2-S		
HRX2-B	•	
HRX2-FP		•
HRX2-BFP	•	•

Controls	Timer	Humidity	Neon Indicator	Duct Mounted Sensor	PIR	6 Input Junction Box	Condensate Drainage Kit	Air Filter (2 Pack)	Duct Connector Kit	1 yr Extended Warranty	3 yrs Extended Warranty
ANC108A	•										
ELE150R						•					
ANC802A	•	•									
ANC808A	•	•	•								
ANC846A	•	•		•							
ANC813A	•				•						
Accessories											
297							•				
HRX2C-AF								•			
HRX2-CK1									•		
HRX-Silver										•	
HRX-Gold											•

www.polypipe.com/ventilation/HRX2 | Warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

Silavent Energex - Single Room Heat Recovery Unit

HELPS RECOVER WASTE HEAT

Silavent

In detail:

- Ventilates a single room
- Provides balanced heat recovery ventilation
- Simple core-drill installation when wall mounted

Recommended duct ancillaries:

- Relevant fixing kit required for new installations. See accessories table below

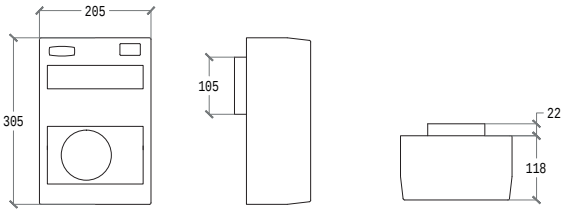
2 YEARS WARRANTY

IDEAL FOR REPLACEMENT

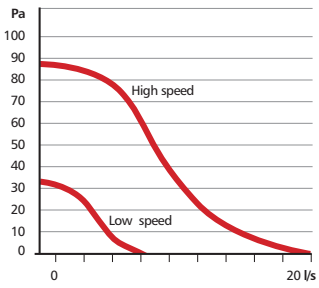
MANUFACTURED IN THE UK CE

Specification	230V	SELV (230/12V)
Max Extract Volume (m³/h)	72	72
Max Extract Volume (l/s)	20	20
Max Pressure (Pa)	84	84
Supply Frequency (Hz)	50	50
Max Power (W)	40	40
Max Sound dB(A)@3m	35	35
Weight (kg)	1.8	3.88
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs

Dimensions



Performance



Models	SELV	Twin Speed	Pull Cord	Timer	Humidistat	Continuous Trickle	Wall Fixing Kit 333mm	Wall Fixing Kit 1000mm	Ceiling Fixing Kit	Window Fixing Kit	Two Speed Control
ENX100											
ENX100LV	•										
ENX100P			•								
ENX100T				•							
ENX100LVT	•			•							
ENX100HTP			•	•	•						
ENX100LVHT	•			•	•						
ENX1002SC*		•									
ENX1002SP		•	•								
ENX1002SHTP		•	•		•						
ENX1002SCP		•	•			•					
ENX1002SHB		•			•	•					
Accessories											
ENX100WFK							•				
ENX100WFK1								•			
ENX100CFK									•		
ENX100WWK										•	
ANC812A											•

*Requires a two speed control switch ANC812A - which must be purchased separately. For more information on the controller go to page 33.

Silavent

Mechanical Extract Ventilation (MEV)

A continuous, effective and efficient means of maintaining the indoor air quality that you breathe and live in

Particularly in new modern air tight properties, a build-up of condensation, mould and stale air can negatively impact the health of occupants and the fabric of the home. Installing an energy efficient Mechanical Extract Ventilation (MEV) system will effectively help to remove these pollutants and maintain a healthy indoor air quality.

How it works

Also referred to as System 3 in Approved Document F of the Building Regulations, an MEV system consists of a centralised ventilation unit that continuously extracts waste, polluted and moist air from wet rooms and can be discreetly positioned in either a cupboard, utility room, ceiling or loft space.

An MEV system can be ducted throughout the dwelling and operated by the homeowner through a range of control options.

Typically dual speed, MEV systems provide both low speed continuous trickle ventilation and high speed boost flow when required. Replacement fresh air is drawn into the dwelling through background ventilators i.e. air inlets, located in the living areas.

As an added benefit to developers, specifiers and self-builders, incorporating an MEV system will also help to lower Dwelling Emission Rates (DER) and therefore provide higher SAP ratings.

For those looking to further improve their DER and integrate heat recovery into a centralised extract system, please see page 6.

Quiet. Compact. Efficient.

MEV Unit Selector

What is the dwelling total floor area?

Up to 275m²	Greater than 275m²
Yes	Yes
Silavent Green Line CMX MEV unit	**Multiples of Silavent Green Line CMX MEV units can be sited**
page 12-13	Please call 08443 715523 for a free quotation

Silavent Green Line CMX Introduction

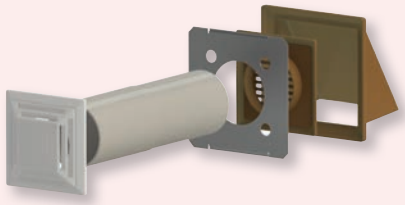
Engineered for optimum system performance and to provide discreet operation.

Key benefits

- Improves indoor air quality through continuous ventilation
- Helps reduce the Dwelling Emission Rate (DER) to secure additional SAP points
- Provides peace of mind that the unit's performance complies with current Building Regulations
- Easy and quick to install and maintain
- Fits into joist spaces

Key features

- Exceptionally compact (125mm deep) and lightweight (3.25kg), ideal for small ceiling void depths
- Distinct EPP casing reduces noise
- Extremely low Specific Fan Power down to 0.24 W/(l/s)
- High air flow performance up to 120 l/s



Domus CMX air supply kit provides effective background ventilation

At just 125mm in depth, the Silavent Green Line CMX is one of the most versatile and energy efficient MEV solutions available on the market.

Helps to provide healthy and clean indoor air

www.polypipe.com/ventilation/CMX | Warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

Silavent Green Line CMX - Centralised MEV Unit

EXTRACTS WASTE AIR

Silavent

In more detail:

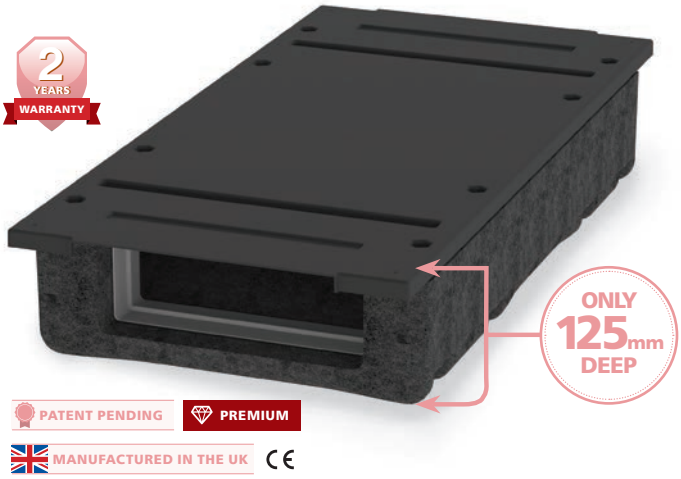
- In-line ports enable straightforward duct connection
- Flexible home owner control (3 speed options)

Installation:

- Floor area up to 275m²
- Flexible installation. Can be fitted horizontally or vertically:
  - Inside a kitchen cupboard or utility room
  - Direct to a ceiling or in a loft space
  - Within a joist space

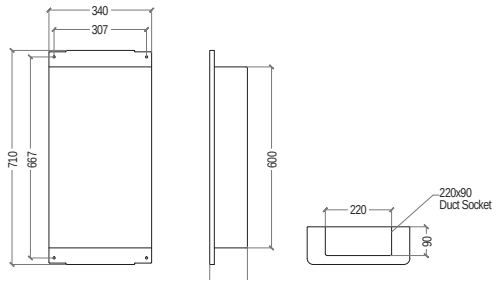
Recommended duct ancillaries:

- Domus 220x90mm or Ø150mm rigid duct system. See pages 38-61 or Domus Radial house pack with semi-rigid duct and CMX unit. See page 65
- Domus air supply kits. See accessories table

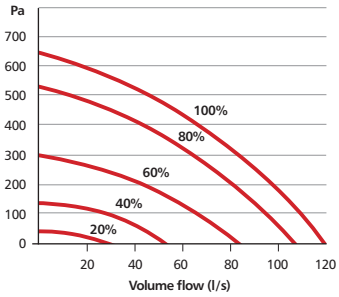


Specification	230V
Max Extract Volume (m³/h)	430
Max Extract Volume (l/s)	120
Max Pressure (Pa)	650
Max Power (W)	83
Supply Frequency (Hz)	50
Max Sound dB(A)@3m	34
Socket Size (mm)	220x90
Insulation Class	1
Weight (kg)	3.25
Max Operating Temperature (°C)	40

Dimensions



Performance



Model	Low/Boost Switch	Occupied/Unoccupied Switch	Low/Boost/Purge Switch	Timer	Humidity	Neon Indicator	Duct Mounted Sensor	PIR	6 Input Junction Box	Air Supply Kit with White Cowl	Air Supply Kit with Brown Cowl
CMX-S											
Controls											
ANC848A	•										
ANC849A	•	•									
ANC850A			•								
ANC108A				•							
ELE150R									•		
ANC802A				•	•						
ANC808A				•	•	•					
ANC846A				•	•		•				
ANC813A				•				•			
Accessories											
CMX-ASK1W										•	
CMX-ASK1B											•

Product Characteristics Database

Application	SFP W/(l/s) (2009)	SFP W/(l/s) (2012)
Kitchen & 1 wet room	0.24	0.24
Kitchen & 2 wet rooms	0.25	0.25
Kitchen & 3 wet rooms	0.29	0.29
Kitchen & 4 wet rooms	0.35	0.35
Kitchen & 5 wet rooms	0.43	0.43
Kitchen & 6 wet rooms	0.54	0.54

Decentralised Mechanical Extract Ventilation (dMEV)

Our highly efficient **NEW** Silavent Green Line dMEV range offers continuous low level ventilation – to a single wet room, coupled with virtually silent operation.

How it works

Also known as System 3 in Approved Document F of the Building Regulations, decentralised Mechanical Extract Ventilation (dMEV) systems incorporate continuously running extract fans, designed to remove waste and moist air from a single wet room.

dMEV fans continuously extract the waste air at both low trickle or boost speeds, as determined by the homeowner through a range of control options. Replacement fresh air is then drawn into the dwelling via background ventilators located in the habitable rooms.

As an added benefit to developers, specifiers and self-builders, incorporating a dMEV system will also help to lower a property's Dwelling Emission Rate (DER) and therefore provide a higher SAP rating.

dMEV Fan Selector

What is your duct length?

Up to 1.5m duct	Up to 6.0m duct
100mm Axial dMEV fan page 15	100mm Centrifugal dMEV fan page 15

Sapphire Range

new

Stylishly designed to discreetly complement modern interior design schemes, our **NEW** dMEV Sapphire range offers exceptionally high levels of energy efficient performance and operates almost silently; ensuring homeowners are not disturbed whilst maintaining continuous and effective balanced ventilation.

100mm (4") Energy Efficient Axial

SAPPHIRE RANGE

GREEN LINE PRODUCTS

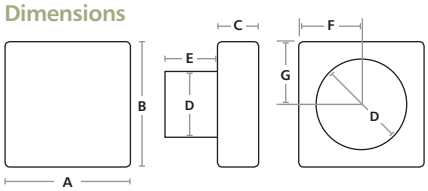
- Provides very quiet levels of continuous ventilation to a single wet room
- Comply with current Building Regulation requirements
- Stylish fascia to fit interior design scheme
- Extremely low SFP down to 0.19 W/(l/s)

SUITABLE FOR: BATHROOM | TOILET | UTILITY | KITCHEN

PREMIUM | IDEAL FOR NEW BUILD & REPLACEMENT

Technical Data		
Description	**230V**	**SELV (230/12V)**
Specific Fan Power W/(l/s)		
Through-Wall Kitchen	0.19	0.19
Through-Wall Other Wet Room	0.25	0.25
Sound dB(A)@3m	Kitchen 21/OWR 19	Kitchen 21/OWR 19
Supply Frequency (Hz)	50	50
Weight (kg)	0.7	0.7
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 150 **B:** 150 **C:** 37 **D:** 99 **E:** 139 **F:** 75 **G:** 75

Models	SELV	Timer	Humidistat
DME100A		•	•
DME100LVA	•	•	•

Accessories	
1K	Wall Fitting Kit
TFF100-CF1W	Fascia, Curved, Gloss White Finish, 202x202mm
TFF100-CF1S	Fascia, Curved, Silver Finish, 210x202mm
TFF100-CF1BM	Fascia, Curved, Brushed Metal Finish, 210x202mm
TFF100-DT1W	Fascia, Circular Indent, Gloss White Finish, 210x202mm
TFF100-DT1S	Fascia, Circular Indent, Silver Finish, 210x202mm

Mix and match your fan fascias. More information available on page 33.

100mm (4") Energy Efficient Centrifugal

SAPPHIRE RANGE

GREEN LINE PRODUCTS

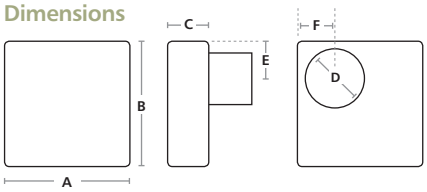
- Provides very quiet levels of continuous ventilation to a single wet room
- Comply with Building Regulation requirements
- Stylish fascia to fit interior design scheme
- Very low SFP down to 0.29 W/(l/s)

SUITABLE FOR: BATHROOM | TOILET | UTILITY | KITCHEN

PREMIUM | IDEAL FOR NEW BUILD & REPLACEMENT

Technical Data		
Description	**230V**	**SELV (230/12V)**
Specific Fan Power W/(l/s)		
Through-Wall Kitchen	0.29	0.29
Through-Wall Other Wet Room	0.35	0.35
In-Room Kitchen	0.29	0.29
In-Room Other Wet Room	0.35	0.35
Sound dB(A)@3m	Kitchen 34/OWR 25	Kitchen 34/OWR 25
Supply Frequency (Hz)	50	50
Weight (kg)	0.85	0.85
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 170 **B:** 170 **C:** 110 **D:** 99 **E:** 72 **F:** 69

Models	SELV	Timer	Humidistat
DME100C		•	•
DME100LVC	•	•	•

Intermittent Extract Fans

Our range of Silavent bathroom and kitchen fans provides rapid local extraction and includes axial, centrifugal and in-line options. With a number of years presence in the UK market, the Silavent brand has earned itself a superb reputation for quality, reliability and ease of installation.

How they work

Also known as System 1 in Approved Document F of the Building Regulations, intermittent extract is a classic method of ventilating a home, either under occupant or automatic control.

UK manufactured, our Silavent fan range includes low voltage (SELV variants) and a variety of control options such as timer, pull cord, humidistat and PIR movement sensors.

Very quiet ventilation combined with style and efficiency!

Sapphire Range

new

- Stylish modern design to suit internal décor
- Very quiet performance levels
- Include energy efficient models that use up to 70% less power on standby than many other low energy fans
- Ability to mix and match fascia options for discreet integration

For customers looking to comply with current Building Regulation requirements, we offer a selection of energy efficient Green Line models as part of our **NEW** or traditional fan ranges.

Quiet. Modern. Discreet.

Fan Types

Axial fans – pages 18-23

Incorporate impellers that force air to move parallel to the shaft about which the impellers rotate. Axial fans are suited to short duct runs which connect directly to an external outlet or grille.

In-line fans – pages 24-28

Include duct-mounted axial, centrifugal or mixed flow fans and due to their discreet location, are ideal for shower applications. Mixed flow fans move air in both an axial and radial direction relative to the shaft and will develop higher air pressure but move less air than axial fans. As an added benefit to the installer, in-line fans also reduce the need for core-drilling.

Centrifugal fans – pages 29-32

Force air to move at right angles to the intake of the fan using centrifugal force. These fans produce more pressure to overcome resistance encountered in longer duct runs and are typically quieter than an axial fan.

Fan Selector

Which room is the fan required to ventilate?

Bathroom/Toilet Extract fan rate @ 15l/s	Utility Room Extract fan rate @ 30l/s	Kitchen Extract fan rate @ 60l/s
Up to 1.5m duct 100mm Axial fan pages 18-21	**Up to 1.5m duct** 150mm Axial fan pages 22-23	**Up to 1.5m duct** 150mm Axial fan pages 22-23
Up to 3.0m duct 100mm In-line fan pages 24-26		**Up to 3.0m duct** 150mm In-line fan (Classic) page 28
Up to 6.0m duct 100mm Centrifugal fan pages 29-32 or 100mm Mixed flow fan page 27	**Up to 6.0m duct** 100mm Centrifugal fan (Mayfair 140 and Kitchenaire) pages 31-32 or 100mm Mixed flow fan (Vitalis) page 27	**Up to 6.0m duct** 100mm Centrifugal fan (Kitchenaire) page 32 or 150mm Mixed flow fan (Vitalis) page 28

www.polypipe.com/ventilation/fans | Warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

100mm (4") Energy Efficient

SAPPHIRE RANGE

GREEN LINE PRODUCTS

- Comply with current Building Regulation requirements
- Offers a very low SFP down to 0.22 W/(l/s)
- Quiet in operation
- Stylish fascia to fit interior design scheme
- Ability to mix and match fascia options
- Reduces carbon emissions

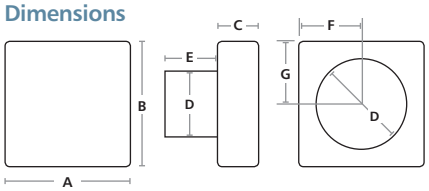
SUITABLE FOR: BATHROOM, TOILET

PREMIUM: IDEAL FOR NEW BUILD & REPLACEMENT

Technical Data

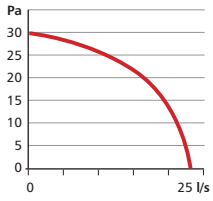
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	23	24
Max Extract Volume (m³/h)	83	86
Max Pressure (Pa)	30	27
Supply Frequency (Hz)	50	50
Specific Fan Power W/(l/s)	0.37	0.22
Max Power (W)	8.5	4/Standby 0.2
Max Sound dB(A)@3m	32	32
Weight (kg)	0.7	0.8
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 150 **B:** 150 **C:** 37 **D:** 99 **E:** 139 **F:** 75 **G:** 75

Performance



Models	SELV	Back Draught	Retail Pack	Pull Cord	Timer	Humidistat	PIR
GTF100-S							
GTF100LV-S	•						
GTF100-SBS		•					
GTF100LV-SBS	•	•					
GTF100-SR			•				
GTF100-PC				•			
GTF100LV-PC	•			•			
GTF100-PCBS		•		•			
GTF100LV-PCBS	•	•		•			
GTF100-PCR			•	•			
GTF100-T					•		
GTF100LV-T	•				•		
GTF100-TBS		•			•		
GTF100LV-TBS	•	•			•		
GTF100-TR			•		•		
GTF100-H					•	•	
GTF100LV-H	•				•	•	
GTF100-HBS		•			•	•	
GTF100LV-HBS	•	•			•	•	
GTF100-HPC				•	•	•	
GTF100LV-HPC	•			•	•	•	
GTF100-HPCBS		•		•	•	•	
GTF100LV-HPCBS	•	•		•	•	•	
GTF100-HPCR			•	•	•	•	

Accessories

1K	Wall Fitting Kit
TFF100-CF1W	Fascia, Curved, Gloss White Finish, 202x202mm
TFF100-CF1S	Fascia, Curved, Silver Finish, 210x202mm
TFF100-CF1BM	Fascia, Curved, Brushed Metal Finish, 210x202mm
TFF100-DT1W	Fascia, Circular Indent, Gloss White Finish, 210x202mm
TFF100-DT1S	Fascia, Circular Indent, Silver Finish, 210x202mm

More information available on page 33.

100mm (4") Standard Axial

SAPPHIRE RANGE

- Extract rates comply with current Building Regulation requirements
- Provides effective ventilation
- Quiet in operation
- Stylish fascia to fit interior design scheme
- Ability to mix and match fascia options

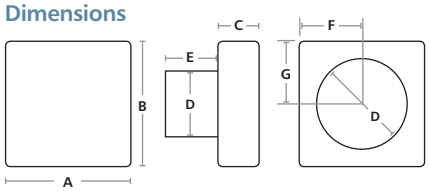
SUITABLE FOR | BATHROOM | TOILET

PREMIUM | IDEAL REPLACEMENT

Technical Data

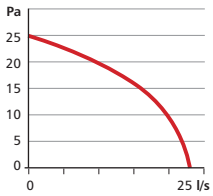
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	23	23
Max Extract Volume (m³/h)	83	83
Max Pressure (Pa)	25	28
Supply Frequency (Hz)	50	50
Specific Fan Power W/(l/s)	0.60	0.93
Max Power (W)	13.6	21.3
Max Sound dB(A)@3m	32	32
Weight (kg)	0.7	1.6 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 150 **B:** 150 **C:** 37 **D:** 99 **E:** 139 **F:** 75 **G:** 75

Performance



Models	SELV	Back Draught	Retail Pack	Pull Cord	Timer	Humidistat	PIR
STF100-S							
STF100LV-S	•						
STF100-SBS		•					
STF100LV-SBS	•	•					
STF100-SR			•				
STF100-PC				•			
STF100LV-PC	•			•			
STF100-PCBS		•		•			
STF100LV-PCBS	•	•		•			
STF100-PCR			•	•			
STF100-T					•		
STF100LV-T	•				•		
STF100-TBS		•			•		
STF100LV-TBS	•	•			•		
STF100-TR			•		•		
STF100-H					•	•	
STF100LV-H	•				•	•	
STF100-HBS		•			•	•	
STF100LV-HBS	•	•			•	•	
STF100-HPC				•	•	•	
STF100LV-HPC	•			•	•	•	
STF100-HPCBS		•		•	•	•	
STF100LV-HPCBS	•	•		•	•	•	
STF100-HPCR			•	•	•	•	

Accessories

1K	Wall Fitting Kit
TFF100-CF1W	Fascia, Curved, Gloss White Finish, 202x202mm
TFF100-CF1S	Fascia, Curved, Silver Finish, 210x202mm
TFF100-CF1BM	Fascia, Curved, Brushed Metal Finish, 210x202mm
TFF100-DT1W	Fascia, Circular Indent, Gloss White Finish, 210x202mm
TFF100-DT1S	Fascia, Circular Indent, Silver Finish, 210x202mm

More information available on page 33.

100mm (4") Standard Axial

SDF RANGE

- Provides effective ventilation
- Extract rates comply with current Building Regulation requirements

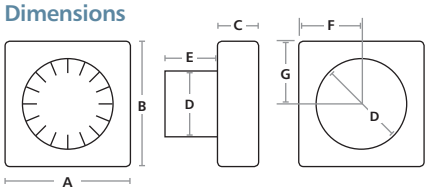
SUITABLE FOR | BATHROOM | TOILET

IDEAL REPLACEMENT

Technical Data

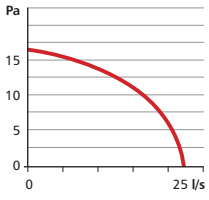
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	22	22
Max Extract Volume (m^3/h)	80	80
Max Pressure (Pa)	16	16
Supply Frequency (Hz)	50	50
Max Power (W)	12	20
Max Sound Level dB(A) @ 3m	32	37
Weight (kg)	0.6	1.5 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Window-Fit Hole Diameter (mm)	127-140	127-140
Suitable for Glass Thickness (mm)	4-25	4-25
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 166 **B:** 166 **C:** 35 **D:** 99 **E:** 45 **F:** 83 **G:** 83

Performance



Models	SELV	Back Draught	Retail Pack	Pull Cord	Timer	Humidistat	PIR
SDF100B							
SDF100BLV	•						
SDF100BS		•					
SDF100BLVS	•	•					
SDF100-SR			•				
SDF100PB				•			
SDF100PBS		•		•			
SDF100-PCR			•	•			
SDF100TB					•		
SDF100TBLV	•				•		
SDF100TBS		•			•		
SDF100TBLVS	•	•			•		
SDF100-TR			•		•		
SDF100HTB					•	•	
SDF100HTBLV	•				•	•	
SDF100HTBS		•			•	•	
SDF100HTBLVS	•	•			•	•	
SDF100-HR			•		•	•	
SDF100HBPCLV	•			•	•	•	
SDF100-HPCR			•	•	•	•	
SDF100PIR					•		•
SDF100PIRLV	•				•		•
SDF100PIRS		•			•		•

Accessories

SDF901WFK	Window Fitting Kit
1K	Wall Fitting Kit

100mm (4") Auto Shutter

SVC RANGE

- Automatic shutters prevent backdraught from entering bathroom or toilet
- Shutters are operated mechanically on the pull cord version or via thermoactuator system on all other models

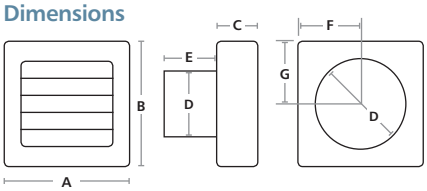
SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

Technical Data

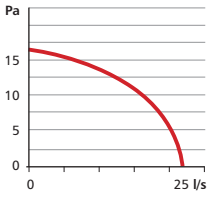
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	22	22
Max Extract Volume (m^3/h)	80	80
Max Pressure (Pa)	16	16
Supply Frequency (Hz)	50	50
Max Power (W)	12	20
Max Sound Level dB(A) @ 3m	32	37
Weight (kg)	0.6	1.5 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Window-Fit Hole Diameter (mm)	127-140	127-140
Suitable for Glass Thickness (mm)	4-25	4-25
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 154 **B:** 156 **C:** 31 **D:** 99 **E:** 54 **F:** 77 **G:** 78

Performance



Models	SELV	Pull Cord	Timer	Humidistat	PIR
SVC100B					
SVC100BLV	•				
SVC100PB		•			
SVC100TB			•		
SVC100TBLV	•		•		
SVC100HTB			•	•	
SVC100HTBLV	•		•	•	
SVC100HTBPC		•	•	•	

Accessories

SDF901WFK	Window Fitting Kit
1K	Wall Fitting Kit

This fan is not ceiling mountable.

100mm (4") Compact

CLASSIC RANGE

- Classic design styling
- Compact for easier and discreet installation
- Low standby power usage

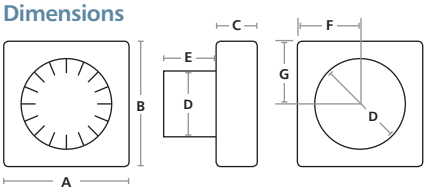
SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

Technical Data

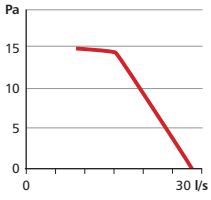
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	26	26
Max Extract Volume (m^3/h)	94	94
Max Pressure (Pa)	14	14
Supply Frequency (Hz)	50	50
Max Power (W)	15/Standby 0.2	15/Standby 0.2
Max Sound Level dB(A) @ 3m	38	38
Weight (kg)	0.6	1.5 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Window-Fit Hole Diameter (mm)	127-133	127-133
Suitable for Glass Thickness (mm)	3-22	3-22
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 141 **B:** 141 **C:** 33 **D:** 99 **E:** 58 **F:** 70.5 **G:** 70.5

Performance



Models	SELV	Pull Cord	Timer	Humidistat	PIR
S1					
SL1 (requires transformer)	•				
P1		•			
T1			•		
H1			•	•	

Accessories

VS	12V Transformer
VT	12V Transformer with Timer
VH	12V Transformer with Humidistat
1W	Window Fitting Kit
1K	Wall Fitting Kit

150mm (6") Energy Efficient

SAPPHIRE RANGE

GREEN LINE PRODUCTS

- Comply with current Building Regulation requirements
- Offers a very low SFP down to 0.48 W/(l/s)
- Quiet in operation
- Style fascia to fit interior design scheme
- Reduces carbon emissions

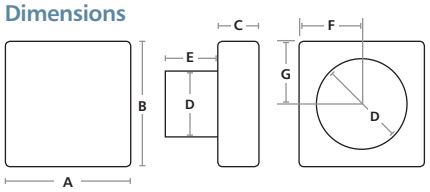
SUITABLE FOR | KITCHEN | UTILITY

IDEAL FOR NEW BUILD & REPLACEMENT

Technical Data

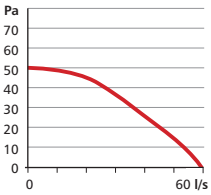
Description	230V
Max Extract Volume (l/s)	60
Max Extract Volume (m³/h)	216
Max Pressure (Pa)	50
Supply Frequency (Hz)	50
Specific Fan Power W/(l/s)	0.48
Max Power (W)	29/Standby 0.2
Max Sound Level dB(A) @ 3m	49
Weight (kg)	0.8
IP Rating	X4
Max Operating Temperature (°C)	40
Wall-Fit Hole Diameter (mm)	160
Window-Fit Hole Diameter (mm)	182-192
Suitable for Glass Thickness (mm)	3-22
Warranty	2 yrs

Dimensions



Measured in mm
A: 201 **B:** 201 **C:** 44 **D:** 150 **E:** 61 **F:** 100.5 **G:** 100.5

Performance



Models	Pull Cord	Timer	Humidistat	PIR
GTF150-S				
GTF150-PC	•			
GTF150-T		•		
GTF150-H		•	•	

Accessories

15W	Window Fitting Kit
15K	Wall Fitting Kit

150mm (6") Standard Axial

SDF RANGE

- Provides effective ventilation
- Extract rates comply with current Building Regulation requirements

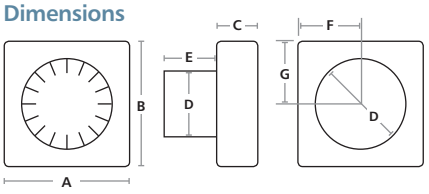
SUITABLE FOR | KITCHEN | UTILITY

IDEAL REPLACEMENT

Technical Data

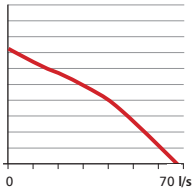
Description	230V	SELV (230V/12V)
Max Extract Volume (l/s)	67	67
Max Extract Volume (m³/h)	240	240
Max Pressure (Pa)	50	50
Supply Frequency (Hz)	50	50
Max Power (W)	35	35
Max Sound Level dB(A) @ 3m	37	37
Weight (kg)	1	1.9 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	170	170
Window-Fit Hole Diameter (mm)	185	185
Suitable for Glass Thickness (mm)	4-35	4-35
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 205 **B:** 220 **C:** 53 **D:** 155 **E:** 53 **F:** 102.5 **G:** 110

Performance



Models	SELV	Pull Cord	Timer	Humidistat	PIR
SDF150B					
SDF150BLV	•				
SDF150PB		•			
SDF150TB			•		
SDF150TBLV	•		•		
SDF150HTB			•	•	
SDF150HBPC		•		•	
SDF150PIR			•		•

Accessories

SDF911WFK	Window Fitting Kit
SDF911W	Wall Fitting Kit

150mm (6") Auto Shutter

SVC RANGE

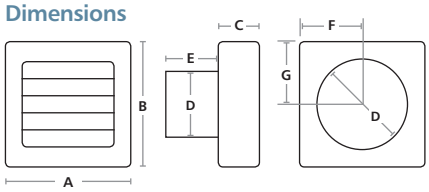
- Automatic shutters prevent backdraught from entering kitchen or utility room
- Shutters are operated mechanically on the pull cord version or via thermoactuator system on all other models

SUITABLE FOR KITCHEN UTILITY

IDEAL REPLACEMENT

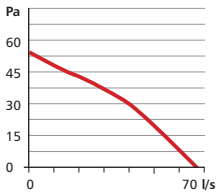
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	67
Max Extract Volume (m^3/h)	240
Max Pressure (Pa)	50
Supply Frequency (Hz)	50
Max Power (W)	37
Max Sound Level dB(A) @ 3m	37
Weight (kg)	1
IP Rating	X3
Max Operating Temperature (°C)	40
Wall-Fit Hole Diameter (mm)	170
Window-Fit Hole Diameter (mm)	185
Suitable for Glass Thickness (mm)	4-35
Warranty	2 yrs

Dimensions



Measured in mm
A: 205 **B:** 220 **C:** 48 **D:** 155 **E:** 53 **F:** 102.5 **G:** 110

Performance



Models	Pull Cord	Timer	Humidistat	PIR
SVC150B				
SVC150PB	•			
SVC150TB		•		
SVC150HB			•	
SVC150HTB	•	•	•	

Accessories	
SVC901WFK	Window Fitting Kit
SVC901W	Wall Fitting Kit

This fan is not ceiling mountable.

150mm (6") Compact

CLASSIC RANGE

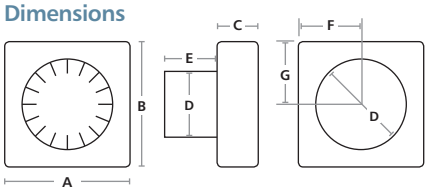
- Classic design styling
- Compact for easier and discreet installation
- Extracts a high volume of air
- Low standby power usage

SUITABLE FOR KITCHEN UTILITY

IDEAL REPLACEMENT

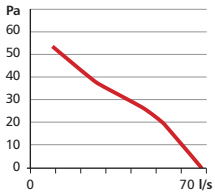
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	69
Max Extract Volume (m^3/h)	248
Max Pressure (Pa)	50
Supply Frequency (Hz)	50
Max Power (W)	33/Standby 0.2
Max Sound Level dB(A) @ 3m	49
Weight (kg)	0.8
IP Rating	X4
Max Operating Temperature (°C)	40
Wall-Fit Hole Diameter (mm)	160
Window-Fit Hole Diameter (mm)	182-192
Suitable for Glass Thickness (mm)	3-22
Warranty	2 yrs

Dimensions



Measured in mm
A: 201 **B:** 201 **C:** 44 **D:** 150 **E:** 61 **F:** 100.5 **G:** 100.5

Performance



Models	Pull Cord	Timer	Humidistat	PIR
S15				
P15	•			
T15		•		
H15		•	•	

Accessories	
15W	Window Fitting Kit
15K	Wall Fitting Kit

100mm (4") Energy Efficient (Axial)

SAPPHIRE RANGE

GREEN LINE PRODUCTS

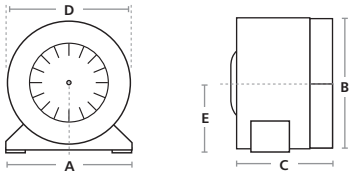
- Comply with current Building Regulation requirements
- Offers a very low SFP down to 0.37 W/(l/s)
- Quiet in operation
- Ideal for shorter duct runs

SUITABLE FOR | BATHROOM | TOILET

IDEAL FOR NEW BUILD & REPLACEMENT

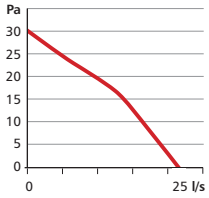
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	23
Max Extract Volume (m³/h)	83
Max Pressure (Pa)	30
Supply Frequency (Hz)	50
Specific Fan Power W/(l/s)	0.37
Max Power (W)	8.5
Max Sound Level dB(A) @ 3m	32
Weight (kg) (Fan Only)	0.6
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 130 **B:** 107 **C:** 155 **D:** 99 **E:** 57.5

Performance



Models	Duct Kit	Retail Pack	Pull Cord	Timer	Humidistat	PIR
GLD100AC-T				•		
GLD100AC-TK	•			•		
GLD100AC-TKR	•	•		•		

100mm (4") Energy Efficient (Axial) with Light

SAPPHIRE RANGE

GREEN LINE PRODUCTS

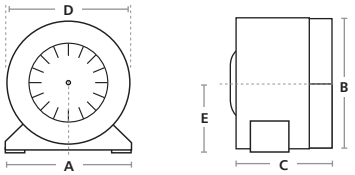
- Comply with current Building Regulation requirements
- Offers a very low SFP down to 0.22 W/(l/s)
- Quiet in operation
- Optional ceiling light grille
- Ideal for shorter duct runs

SUITABLE FOR | BATHROOM | TOILET

IDEAL FOR NEW BUILD & REPLACEMENT

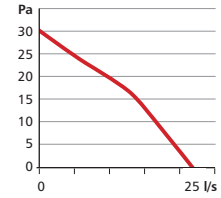
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	23
Max Extract Volume (m³/h)	83
Max Pressure (Pa)	30
Supply Frequency (Hz)	50
Specific Fan Power W/(l/s)	0.22 (0.44 inc light)
Max Power (W)	4 (10 inc light)
Max Sound Level dB(A) @ 3m	32
Weight (kg) (Fan Only)	0.6
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 130 **B:** 107 **C:** 155 **D:** 99 **E:** 57.5

Performance



Models	Duct Kit	Retail Pack	Ceiling Light Grille	Pull Cord	Timer	Humidistat	PIR
GLD100-T					•		
GLD100-TK	•				•		
GLD100-TKR	•	•			•		
GSV100-TKW (Light Finish - White)	•		•		•		
GSV100-TKC (Light Finish - Chrome)	•		•		•		
GSV100-TKWR (Light Finish - White)	•	•	•		•		
GSV100-TKCR (Light Finish - Chrome)	•	•	•		•		

Duct kit includes brown grille.

100mm (4") Standard (Axial)

DVF RANGE

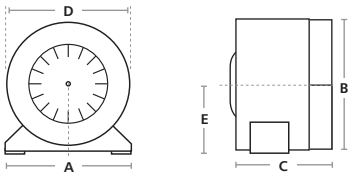
- Concealed fan for discreet operation
- Ideal for shorter duct runs
- Available as a full kit or fan only

SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

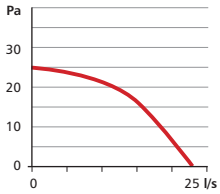
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	23
Max Extract Volume (m³/h)	83
Max Pressure (Pa)	25
Supply Frequency (Hz)	50
Max Power (W)	13.6
Max Sound Level dB(A) @ 3m	39
Weight (kg) (Fan Only)	0.60
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 130 **B:** 107 **C:** 155 **D:** 99 **E:** 57.5

Performance



Models	Duct Kit	Pull Cord	Timer	Humidistat	PIR
DVF801D					
DVF802D			•		
DVF801ET	•				
DVF802ET	•		•		

100mm (4") Standard with Light (Axial)

SPOTVENT RANGE

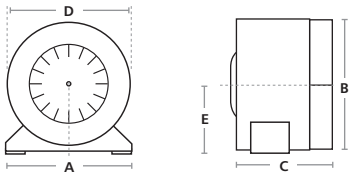
- Includes ceiling light grille
- Concealed fan for discreet operation
- Ideal for shorter duct runs

SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

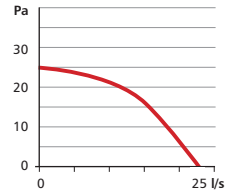
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	23
Max Extract Volume (m³/h)	83
Max Pressure (Pa)	25
Supply Frequency (Hz)	50
Max Power (W) (Fan Only)	13.6
Max Sound Level dB(A) @ 3m	39
Weight (kg) (Fan Only)	0.60
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 130 **B:** 107 **C:** 155 **D:** 99 **E:** 57.5

Performance



Models	Duct Kit	Pull Cord	Timer	Humidistat	PIR
SPV801ETWCG	•				
SPV802ETWCG	•		•		

Accessories	
SPV801TWCG	Spotvent Ceiling Light Grille

100mm (4") Standard (Centrifugal)

DVF RANGE

- Concealed fan for discreet operation
- Ideal for longer duct runs

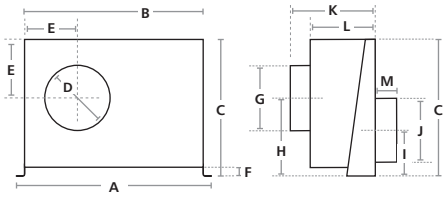
SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

Technical Data

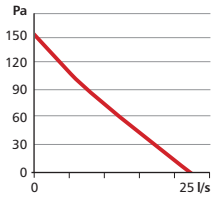
Description	230V
Max Extract Volume (l/s)	22
Max Extract Volume (m^3/h)	80
Max Pressure (Pa)	150
Supply Frequency (Hz)	50
Max Power (W)	35
Max Sound Level dB(A) @ 3m	32
Weight (kg) (Fan Only)	0.47
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 270 **B:** 220 **C:** 210 **D:** 100 **E:** 80 **F:** 15 **G:** 100
H: 130 **I:** 70 **J:** 98 **K:** 130 **L:** 100 **M:** 30

Performance



Models	Duct Kit	Pull Cord	Timer	Humidistat	PIR
DVF821ET	•				
DVF822ET	•		•		

100mm (4") Standard with Light (Centrifugal)

SPOTVENT RANGE

- Includes ceiling light grille
- Concealed fan for discreet operation
- Ideal for longer duct runs

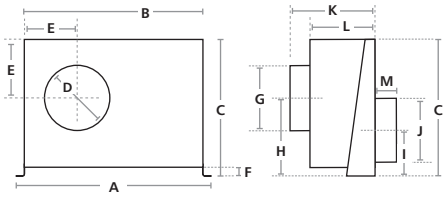
SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

Technical Data

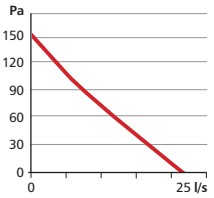
Description	230V
Max Extract Volume (l/s)	22
Max Extract Volume (m^3/h)	80
Max Pressure (Pa)	150
Supply Frequency (Hz)	50
Max Power (W) (Fan Only)	35
Max Sound Level dB(A) @ 3m	32
Weight (kg) (Fan Only)	0.47
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 270 **B:** 220 **C:** 210 **D:** 100 **E:** 80 **F:** 15 **G:** 100
H: 130 **I:** 70 **J:** 98 **K:** 130 **L:** 100 **M:** 30

Performance



Models	Duct Kit	Pull Cord	Timer	Humidistat	PIR
SPV821ETWCG	•				
SPV822ETWCG	•		•		

Accessories

SPV801TWCG	Spotvent Ceiling Light Grille

100mm (4") High Performance (Mixed Flow)

VITALIS RANGE

- Very high air flow performance
- Concealed fan for discreet operation
- Ideal for longer duct runs
- Available as a full kit or fan only

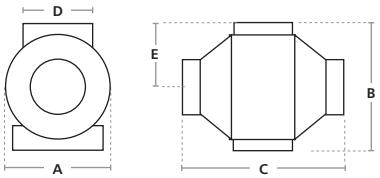
SUITABLE FOR | BATHROOM | TOILET | UTILITY

IDEAL REPLACEMENT

Technical Data

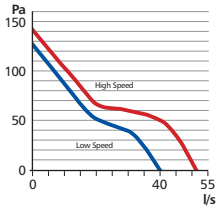
Description	230V
Max Extract Volume (l/s)	High 52/Low 40
Max Extract Volume (m^3/h)	High 187/Low 145
Max Pressure (Pa)	135
Supply Frequency (Hz)	50
Max Power (W)	High 28/Low 25
Max Sound Level dB(A) @ 3m	High 34/Low 27
Weight (kg) (Fan Only)	1.4
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 160 **B:** 195 **C:** 260 **D:** 96 **E:** 102

Performance



Models	Duct Kit	Pull Cord	Timer	Humidistat	PIR
VIT100B					
VIT100TB			•		
DVF831ET	•				
DVF832ET	•		•		

100mm (4") High Performance with Light (Mixed Flow)

SPOTVENT RANGE

- Includes ceiling light grille
- Very high air flow performance
- Concealed fan for discreet operation
- Ideal for longer duct runs

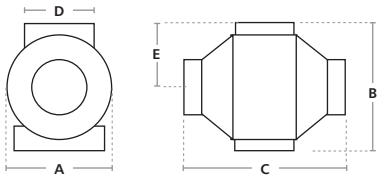
SUITABLE FOR | BATHROOM | TOILET | UTILITY

IDEAL REPLACEMENT

Technical Data

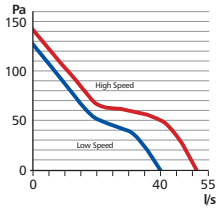
Description	230V
Max Extract Volume (l/s)	High 52/Low 40
Max Extract Volume (m^3/h)	High 187/Low 145
Max Pressure (Pa)	135
Supply Frequency (Hz)	50
Max Power (W)	High 28/Low 25
Max Sound Level dB(A) @ 3m	High 34/Low 27
Weight (kg) (Fan Only)	1.4
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 160 **B:** 195 **C:** 260 **D:** 96 **E:** 102

Performance



Models	Duct Kit	Pull Cord	Timer	Humidistat	PIR
SPV831ETWCG	•				
SPV832ETWCG	•		•		

Accessories

SPV801TWCG	Spotvent Ceiling Light Grille

150mm (6") Compact (Mixed Flow)

CLASSIC RANGE

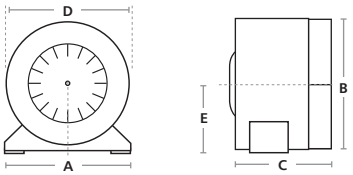
- High air flow performance
- Concealed fan for discreet operation
- Ideal for longer duct runs

SUITABLE FOR | KITCHEN | UTILITY

IDEAL REPLACEMENT

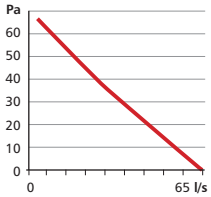
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	62
Max Extract Volume (m³/h)	224
Max Pressure (Pa)	67
Supply Frequency (Hz)	50
Max Power (W)	33
Max Sound Level dB(A) @ 3m	49
Weight (kg) (Fan Only)	0.7
IP Rating	X2
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 180 **B:** 149 **C:** 123 **D:** 149 **E:** 84

Performance



Models	Pull Cord	Timer	Humidistat	PIR
S15D				
T15D		•		

150mm (6") High Performance (Mixed Flow)

VITALIS RANGE

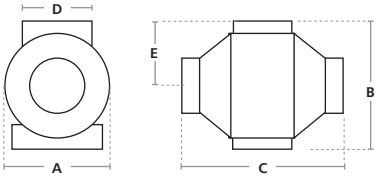
- Very high air flow performance
- Concealed fan for discreet operation
- Ideal for longer duct runs

SUITABLE FOR | KITCHEN | UTILITY

IDEAL REPLACEMENT

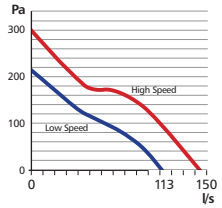
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	High 145/Low 113
Max Extract Volume (m³/h)	High 520/Low 405
Max Pressure (Pa)	High 300/Low 210
Supply Frequency (Hz)	50
Max Power (W)	High 60/Low 30
Max Sound Level dB(A) @ 3m	High 44/Low 33
Weight (kg) (Fan Only)	3
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 220 **B:** 250 **C:** 295 **D:** 145 **E:** 130

Performance



Models	Pull Cord	Timer	Humidistat	PIR
VIT150B				
VIT150TB		•		

100mm (4") Energy Efficient

SAPPHIRE RANGE

GREEN LINE PRODUCTS

- Comply with current Building Regulation requirements
- Offers a very low SFP down to 0.39 W/(l/s)
- Quiet in operation
- Stylish fascia to fit interior design scheme
- Reduces carbon emissions

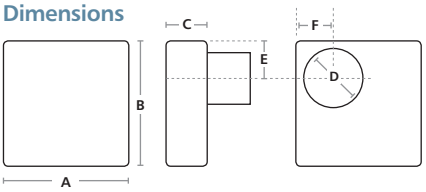
SUITABLE FOR BATHROOM TOILET

PREMIUM IDEAL FOR NEW BUILD & REPLACEMENT

Technical Data

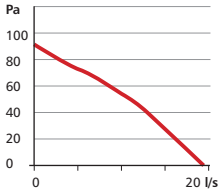
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	19	19
Max Extract Volume (m³/h)	69	69
Max Pressure (Pa)	91	91
Supply Frequency (Hz)	50	50
Specific Fan Power W/(l/s)	0.39	0.39
Max Power (W)	7.4	7.4
Max Sound Level dB(A) @ 3m	38	38
Weight (kg)	0.85	0.95
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 170 **B:** 170 **C:** 110 **D:** 99 **E:** 72 **F:** 69

Performance



Models	SELV	Pull Cord	Timer	Humidistat	PIR
GCF100-S					
GCF100LV-S	•				
GCF100-T			•		
GCF100LV-T	•		•		
GCF100-HPC		•	•	•	
GCF100LV-HPC	•	•	•	•	

100mm (4") Standard Centrifugal

SAPPHIRE RANGE

- Extract rates comply with current Building Regulation requirements
- Provides effective ventilation
- Quiet in operation
- Stylish fascia to fit interior design scheme

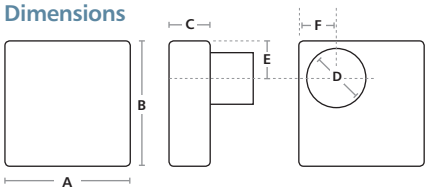
SUITABLE FOR BATHROOM TOILET

PREMIUM IDEAL REPLACEMENT

Technical Data

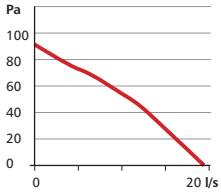
Description	230V
Max Extract Volume (l/s)	19
Max Extract Volume (m³/h)	69
Max Pressure (Pa)	96
Supply Frequency (Hz)	50
Max Power (W)	22
Max Sound Level dB(A) @ 3m	38
Weight (kg)	0.85
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 170 **B:** 170 **C:** 110 **D:** 99 **E:** 72 **F:** 69

Performance



Models	Pull Cord	Timer	Humidistat	PIR
SCF100-S				
SCF100-T		•		
SCF100-HPC	•	•	•	

100mm (4") Standard Centrifugal

CURZON RANGE

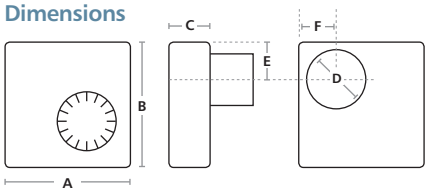
- Provides effective ventilation
- Extract rates comply with current Building Regulation requirements

SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

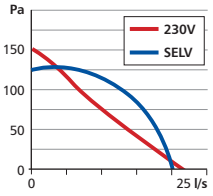
Technical Data		
Description	**230V**	**SELV (230/12V)**
Max Extract Volume (l/s)	22	20
Max Extract Volume (m³/h)	80	72
Max Pressure (Pa)	150	125
Supply Frequency (Hz)	50	50
Max Power (W)	35	44
Max Sound Level dB(A) @ 3m	26	29
Weight (kg)	1.1	2 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 216 **B:** 195 **C:** 98 **D:** 80/100 **E:** 32/57 **F:** 50

Performance



	SELV	Pull Cord	Timer	Humidistat	PIR
Models					
CUR7001B					
CUR7002B		•			
CUR7003B			•		
CUR9003LV	•		•		
CUR7004B		•	•	•	
CUR9004LV	•		•	•	
CUR7005B			•		•

Accessories	
CUR501A	Fire Shutter Back Plate (1 Hour Rated)

Models with in-line kits available on page 26. Please see the DVF range.

100mm (4") Energy Efficient Plug-in

MAYFAIR 70 RANGE

GREEN LINE PRODUCTS

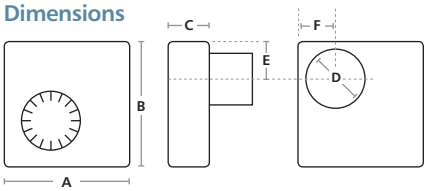
- Comply with current Building Regulations
- Offers a low SFP down to 0.50 W/(l/s)
- Reduces carbon emissions
- Plug-in design makes it ideal for maintained properties where units may need to be easily replaced

SUITABLE FOR BATHROOM TOILET

IDEAL REPLACEMENT

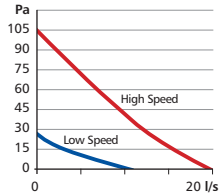
Technical Data	
Description	**230V**
Max Extract Volume (l/s)	High 20/Low 12
Max Extract Volume (m³/h)	High 72/Low 43
Max Pressure (Pa)	105
Supply Frequency (Hz)	50
Specific Fan Power W/(l/s)	0.50
Max Power (W)	High 10/Low 6
Max Sound Level dB(A) @ 3m	High 32/Low 12
Weight (kg)	1.7
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 250 **B:** 250 **C:** 40 **D:** 85 **E:** 63 **F:** 63

Performance



	dMEV/Twin Speed	Pull Cord	Timer	Humidistat	PIR
Models					
MSS070BLW					
MTD070BLW			•		
MCC070BLW			•	•	
MTS070BLW	•				
MTT070BLW	•		•		

Accessories	
MAY905B	Back Box - Recessed - Rear Entry (Domus 100mm)
MAY504A	Back Box - Surface - Rear Entry (Domus 100mm)
PFL420A	Back Box - Ceiling - Side Entry (Domus 110x54mm)

Installation note: The Mayfair range is designed to be installed in two stages – the building in frame is installed first to reduce on-site damage, followed by a plug-in fan body which allows easy maintenance and replacement. This is a system that has proven to be highly effective on large building projects.

100mm (4") Plug-in

MAYFAIR 70 RANGE

- Plug-in design makes it ideal for maintained properties where units may need to be easily replaced
- Twin speed options available for greater flexibility

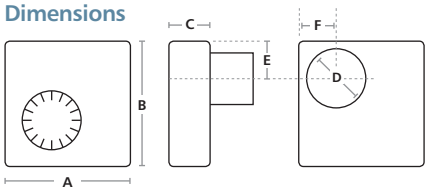
SUITABLE FOR | BATHROOM | TOILET

IDEAL REPLACEMENT

Technical Data

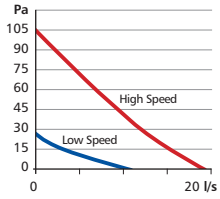
Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	High 19/Low 12	19
Max Extract Volume (m³/h)	High 70/Low 43	70
Max Pressure (Pa)	105	105
Supply Frequency (Hz)	50	50
Max Power (W)	High 35/Low 20	45
Max Sound Level dB(A) @ 3m	High 32/Low 12	32
Weight (kg)	1.7	3.5 inc transformer
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Warranty	2 yrs	2 yrs

Dimensions



Measured in mm
A: 250 **B:** 250 **C:** 40 **D:** 85 **E:** 63 **F:** 63

Performance



Models	SELV	dMEV/Twin Speed	Pull Cord	Timer	Humidistat	PIR
MSS070B						
MSS070BLV	•					
MPC070B			•			
MTD070B				•		
MTD070BLV	•			•		
MCC070B				•	•	
MCC070BLV	•			•	•	
MIR070B				•		•
MTS070B		•				
MTT070B		•		•		

Accessories

MAY905B	Back Box - Recessed - Rear Entry (Domus 100mm)
MAY504A	Back Box - Surface - Rear Entry (Domus 100mm)
PFL420A	Back Box - Ceiling - Side Entry (Domus 110x54mm)

100mm (4") Plug-in High Performance

MAYFAIR 140 RANGE

- High air flow performance
- Plug-in design makes it ideal for maintained properties where units may need to be easily replaced

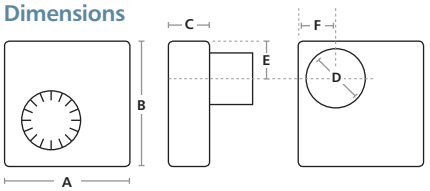
SUITABLE FOR | BATHROOM | KITCHEN | UTILITY

IDEAL REPLACEMENT

Technical Data

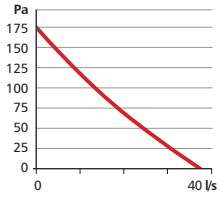
Description	230V
Max Extract Volume (l/s)	39
Max Extract Volume (m³/h)	140
Max Pressure (Pa)	175
Supply Frequency (Hz)	50
Max Power (W)	60
Max Sound Level dB(A) @ 3m	40
Weight (kg)	1.7
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 250 **B:** 250 **C:** 40 **D:** 85 **E:** 63 **F:** 63

Performance



Models	Pull Cord	Timer	Humidistat	PIR
MSS140B				
MPC140B	•			
MTD140B		•		
MCC140B		•	•	
MIR140B		•		•

Accessories

MAY905B	Back Box - Recessed - Rear Entry (Domus 100mm)
FLA106A	Back Box - Surface - Rear Entry (Domus 100mm)
PFL420A	Back Box - Ceiling - Side Entry (Domus 110x54mm)

100mm (4") Plug-in Compact

MAYFAIR CLASSIC RANGE

- Compact for easier and discreet installation
- Plug-in design makes it ideal for maintained properties where units may need to be easily replaced
- Twin speed option for greater flexibility

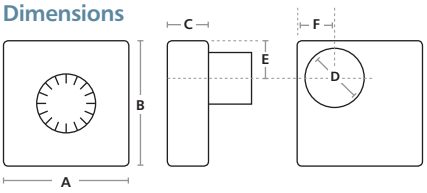
SUITABLE FOR: BATHROOM | TOILET

IDEAL REPLACEMENT

Technical Data

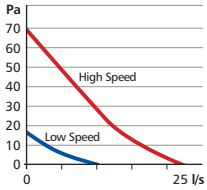
Description	230V
Max Extract Volume (l/s)	High 22/Low 10
Max Extract Volume (m³/h)	High 79/Low 36
Max Pressure (Pa)	70
Supply Frequency (Hz)	50
Max Power (W)	High 35/Low 20
Max Sound Level dB(A) @ 3m	High 39/Low 17
Weight (kg)	1.5
IP Rating	X4
Max Operating Temperature (°C)	40
Warranty	2 yrs

Dimensions



Measured in mm
A: 220 **B:** 220 **C:** 105 **D:** 80 **E:** 63 **F:** 63

Performance



Models	Twin Speed	Pull Cord	Timer	Humidistat	PIR
MAY102B					
MAY202B			•		
MAY402B	•		•		

Accessories

MAY907A	Back Box - Recessed - Rear Entry (Domus 100mm)
FLA160A	Back Box - Surface - Rear Entry (Domus 100mm)
MAY502S	Fire Shutter Back Plate (1 Hour Rated)

Installation note: The Mayfair range is designed to be installed in two stages – the building in frame is installed first to reduce on-site damage, followed by a plug-in fan body which allows easy maintenance and replacement. This is a system that has proven to be highly effective on large building projects.

100mm (4") Low Maintenance

KITCHENAIRE RANGE

- Integral backdraught shutter
- Built-in filter for easy maintenance
- Large inlet grille maximises extraction and filtration
- Twin speed options available for greater flexibility

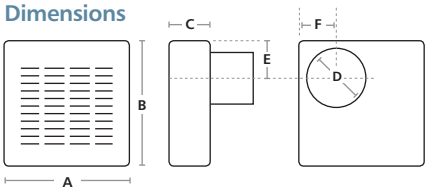
SUITABLE FOR: KITCHEN | UTILITY

IDEAL REPLACEMENT

Technical Data

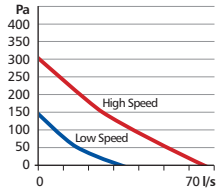
Description	230V
Max Extract Volume (l/s)	High 67/Low 33
Max Extract Volume (m³/h)	High 240/Low 120
Max Pressure (Pa)	300
Supply Frequency (Hz)	50
Max Power (W)	High 90/Low 43
Max Sound Level dB(A) @ 3m	High 19/Low 12
Weight (kg)	3.1
IP Rating	X3
Max Operating Temperature (°C)	40
Wall-Fit Hole Diameter (mm)	110
Warranty	2 yrs

Dimensions



Measured in mm
A: 337 **B:** 294 **C:** 121 **D:** 100 **E:** 36 **F:** 74

Performance



Models	Twin Speed	Pull Cord	Timer	Humidistat	PIR
KIT102B					
KIT103B			•		
KIT104B		•			
KIT107B		•		•	
KIT201B	•	•			
KIT203B	•			•	

Accessories

1K	Wall Fitting Kit

Control Options

- Ideal for mechanical extract appliances designed for remote switch operation
- In keeping with conventional wall furniture
- Can be flush or surface mounted using a standard single pattress box

ANC802A - Humidistat with Overrun Timer

More sensitive than traditional humidistat controls, Intelligent Humidity Control (IHC) identifies a significant change in humidity. Timer adjustable between 2-25 minutes.

W 89mm H 89mm D 54mm*

5 amps

ANC808A - Humidistat with Pull Cord Switch

More sensitive than traditional humidistat controls, Intelligent Humidity Control (IHC) identifies a significant change in humidity. Neon indicator and pull cord override.

W 89mm H 89mm D 54mm*

5 amps

ANC846A - Duct Mounted Humidistat with Remote Sensor and Overrun Timer

More sensitive than traditional humidistat controls, Intelligent Humidity Control (IHC) identifies a significant change in humidity. Timer adjustable between 2-25 minutes.

W 89mm H 89mm D 54mm*

5 amps

ANC813A - PIR Switch with Overrun Timer

Activates by detecting movement. Detection distance of up to 5 metres. Timer adjustable between 2-25 minutes.

W 89mm H 89mm D 54mm*

5 amps

ANC108A - Overrun Timer

Adjustable time delay between 2-25 minutes after the light switch has been turned off.

W 89mm H 89mm D 54mm*

5 amps

ANC812A - Two Speed Rocker Switch

Provides two speed operation for twin speed fans.

W 89mm H 89mm D 54mm*

5 amps

*D - 54mm includes 35mm surface mounted pattress box (supplied).

Fan Fascia Options

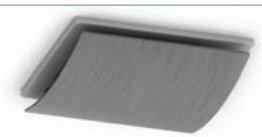
Silavent

- Stylish bathroom and kitchen fan fascias, designed to discreetly fit interior design schemes
- Offer the ability to mix and match fascia options

TFF100-CF1W
Fascia, Curved, Gloss White Finish, 202x202mm

TFF100-CF1S
Fascia, Curved, Silver Finish, 210x202mm

TFF100-CF1BM
Fascia, Curved, Brushed Metal Finish, 210x202mm



TFF100-DT1W
Fascia, Circular Indent, Gloss White Finish, 210x202mm

TFF100-DT1S
Fascia, Circular Indent, Silver Finish, 210x202mm

Suitable for:

- dMEV 100mm Axial Fan - page 15
- Intermittent 100mm Energy Efficient Axial Fan - page 18
- Intermittent 100mm Standard Axial Fan - page 19

Provides fresh air in noisy residential areas

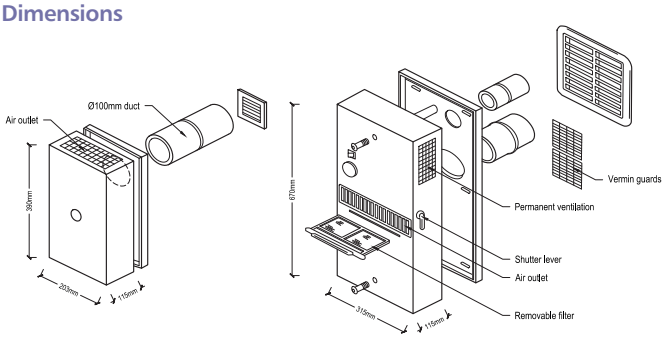
Freshflo Combined Ventilator

SM2/C

- Average noise reduction of 35dB(A)
- Effective acoustic separation
- Removes the need for opening windows
- Reduces humidity and condensation

Technical Data	
Description	**230V**
Air Flow (l/s) at 0 Pa	16
Air Flow (l/s) at 10 Pa	38
Air Flow (l/s) at 30 Pa	32
Effective Free Area (mm²) (Normal Flow)	5900
Effective Free Area (mm²) (Reversed Flow)	5900
Non-Mechanical (mm²) (Normal Flow)	4640
Non-Mechanical (mm²) (Reversed Flow)	4640
Supply Frequency (Hz)	50
Max Power (W)	50
Fuse (A)	3
Warranty	1 yr

Dimensions



Model
FRE104B

Accessories	
FRE501D	Grille - Brown 200x250mm
FRE501C	Grille - Buff 200x250mm
FRE501A	Grille - Grey 200x250mm
FRE501B	Grille - Terracotta 200x250mm
FRE504A	Grille - White 200x250mm
FRE502A	Cowl - Black

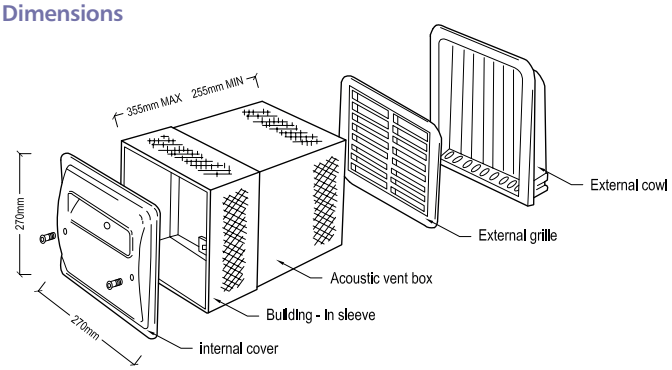
Freshflo Passive Airbrick

MKII

- High air flow
- Average noise reduction of 35dB(A)
- Flush-fitting

Technical Data	
Description	
Air Flow (l/s) at 0 Pa	-
Air Flow (l/s) at 10 Pa	-
Air Flow (l/s) at 30 Pa	-
Equivalent Area (mm²) (Normal Flow)	3509
Equivalent Area (mm²) (Reversed Flow)	3502
Non-Mechanical (mm²) (Normal Flow)	4160
Non-Mechanical (mm²) (Reversed Flow)	4800
Supply Frequency (Hz)	-
Max Power (W)	-
Fuse (A)	-
Warranty	1 yr

Dimensions



Model
FRE401B

Internal Accessories	
FRE909A	Cover - Flap
FRE909B	Cover - Fixed Inlet

External Accessories	
FRE501D	Grille - Brown 200x250mm
FRE501C	Grille - Buff 200x250mm
FRE501A	Grille - Grey 200x250mm
FRE501B	Grille - Terracotta 200x250mm
FRE504A	Grille - White 200x250mm
FRE502A	Cowl - Black

Duct Systems

Our market leading Domus duct range helps customers to achieve the highest possible efficiency from Silavent mechanical extract appliances

Duct Systems

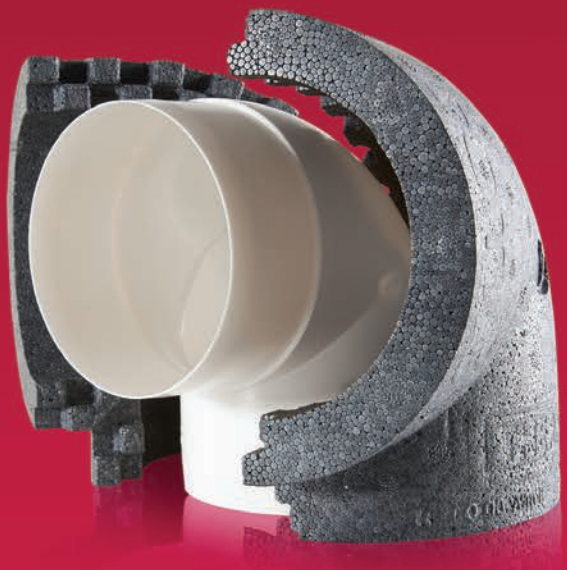
Our Domus range offers the most comprehensive selection of high quality plastic ducting available in the industry. The range includes both rigid and semi-rigid ducting to allow customers to select the most suitable system based on the dwelling type and installation requirements.

What is the difference between Domus rigid and semi-rigid duct?

Rigid: Traditional straight duct and fittings, typically installed in a branched configuration. Rigid duct is available in a variety of sizes and ideal for new build and all major refurbishment projects where space is not an issue.

Semi-rigid: Ø75mm duct which uses a manifold distribution system and is ideal for new and refurbishment projects and for where space is restricted or installation time is at a premium.

Rigid Duct



As a branch based system, rigid duct is ideal for new build or for where space isn't restricted and can be used with MVHR, MEV, dMEV or intermittent extract.

Our market leading Domus rigid duct range is available in 8 different profiles to suit any application and comes with a full set of adapters to enable a simple or complex system as required.

Designed to offer high levels of air tightness and system efficiency, Domus rigid duct systems are also supported by patented duct insulation, fire stopping & sound attenuation components as shown in more detail on pages 58-61.

NEW to the range are our high efficiency duct bends, designed to reduce duct resistance and overall system energy usage, in addition to **NEW** flow control plenums, engineered to allow connection to a range of stylish architectural grilles. Read more on page 60.

Please use the profile selector to your right to determine the correct duct system for your chosen appliance. Performance data is listed on the pages that follow, to help calculate and match appliance performance to the system resistance and ensure correct operation. To change to an alternative size or profile, adapters are shown on pages 52-53.

Semi-Rigid Duct

Our Domus semi-rigid duct forms part of a clever plug and play air distribution system called Domus Radial. Domus Radial systems use manifold distribution to evenly service each room through the semi-rigid ducting and can be used with either MVHR or MEV appliances.

Suitable for new build and refurbishment projects but especially ideal for where space is restricted, Domus Radial systems are available as **pre-selected house packs and can be installed in up to 60% less time** than comparable rigid duct solutions; saving you time and money.

Ready to take home pre-selected Domus Radial MVHR and MEV house packs available

Please use the selector to your right to determine the correct house pack for your dwelling. However, Domus Radial can also be purchased as separate parts, in addition to house packs.

Rigid Duct Profile Selector

Appliance duct connection size

100mm (4")

What depth is available for the duct?

- 38-60mm → Domus 234x29mm
- 60-105mm → Domus 110x54mm
- 38-60mm → Domus 308x29mm
- 105mm+ → Domus Ø100mm

125mm (5")

What depth is available for the duct?

- 65-130mm → Domus 204x60mm
- 130mm+ → Domus Ø125mm

150mm (6")

What depth is available for the duct?

- 97-155mm → Domus 220x90mm
- 155mm+ → Domus Ø150mm

When a profile has been specified and the duct layout designed, the system resistance must be calculated to ensure that the appliance has sufficient power to more than match the resistance of the complete system.

See pages 38-61 to select the relevant components.

Suitable Application			
Size	**Range**	**Free Area**	**Application**
Rectangular			
110x54 mm	System 100	5,300mm²	Bathroom, toilet, utility room and kitchen
204x60mm	Supertube	11,200mm²	Bathroom, toilet, utility room, kitchen and whole house
220x90mm	Megaduct	17,968 mm²	Kitchen, commercial and whole house
234x29mm	PV Low Profile 225	5,859mm²	Bathroom and toilet
308x29mm	PV Low Profile 300	7,833mm²	Bathroom, toilet and utility room
Round			
Ø100mm	EasiPipe 100	7,850mm²	Bathroom, toilet and utility room
Ø125mm	EasiPipe 125	12,266mm²	Bathroom, toilet, utility room, kitchen and whole house
Ø150mm	EasiPipe 150	17,263mm²	Kitchen, commercial and whole house

Where components are listed with one of three connection profiles;

Male: The fitting will fit inside duct

Female: The fitting will fit around duct

Duct: The connection profile is the same as the duct and may need a Female or Male straight connector to couple to duct

Where fittings are available in different colours:

- White
- Brown
- Cotswold
- Terracotta
- Grey
- Black

Domus Radial House Pack Selector

What mechanical extract system do you wish to install?

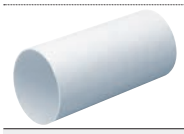
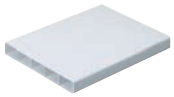
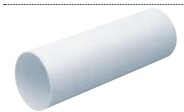
Mechanical Ventilation with Heat Recovery (MVHR)

- Is the floor area up to 180m²? — Yes → Silavent Green Line HRX MVHR house packs page 63
- No → Is the floor area between 180m² and 275m²? — Yes → Silavent Green Line HRX2 MVHR house packs page 64

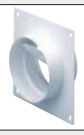
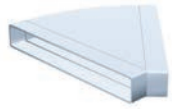
Mechanical Extract Ventilation (MEV)

- Is the floor area less than 275m²? — Yes → Silavent Green Line CMX MEV house packs page 65

Duct

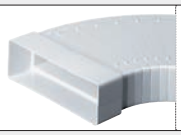
Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct - Telescopic Assembly - 0.25-0.45m											
	Ø100	130-4	-	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	130-5	-	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	130-6	-	EasiPipe 150	-	-	-	-	-	-	-
Duct - 0.35m											
	Ø100	135-4	40135	EasiPipe 100	Duct	7850	0.17	0.5	1.1	-	-
	Ø125	135-5	50135	EasiPipe 125	Duct	12266	0.07	0.25	0.67	-	-
	Ø150	135-6	-	EasiPipe 150	Duct	17263	0.04	0.14	0.42	-	-
Duct - 1m											
	110x54	DD010	40010	System 100	Duct	5300	1.8	6.3	21.5	-	-
	204x60	510	50510	Supertube	Duct	11200	0.5	1.5	5.2	-	-
	220x90	910	-	Megaduct	Duct	17968	-	-	0.95	3.29	6.82
	Ø100	1100-4	41100	EasiPipe 100	Duct	7850	0.5	1.4	3.1	-	-
	Ø125	1100-5	51100	EasiPipe 125	Duct	12266	0.2	0.7	1.9	-	-
	Ø150	1100-6	-	EasiPipe 150	Duct	17263	0.1	0.4	1.2	-	-
Duct - 1m - Sleeve											
	Ø100	2100-4	-	EasiPipe 100	-	7850	0.5	1.4	3.1	-	-
	Ø125	2100-5	-	EasiPipe 125	-	12266	0.2	0.7	1.9	-	-
	Ø150	2100-6	-	EasiPipe 150	-	17263	0.1	0.4	1.2	-	-
Duct - 1.5m											
	110x54	DD015	-	System 100	Duct	5300	2.7	9.75	32.25	-	-
	204x60	515	-	Supertube	Duct	11200	0.75	2.25	7.8	-	-
	220x90	915	-	Megaduct	Duct	17968	-	-	1.42	4.93	10.23
	234x29	20150	-	PV Low Profile 225	Duct	5859	6.2	23.1	85.8	-	-
	308x29	30150	-	PV Low Profile 300	Duct	7833	3.4	12.7	47.5	-	-
Duct - 2m											
	110x54	D1-2000	-	System 100	Duct	5300	3.6	12.6	43.0	-	-
	204x60	D3-2000	-	Supertube	Duct	11200	1.0	3.0	10.4	-	-
	220x90	D4-2000	-	Megaduct	Duct	17968	-	-	1.9	6.58	13.64
	234x29	20200	-	PV Low Profile 225	Duct	5859	8.3	30.8	114.3	-	-
	308x29	30200	-	PV Low Profile 300	Duct	7833	4.5	16.9	63.3	-	-
	Ø100	1200-4	-	EasiPipe 100	Duct	7850	1.0	2.8	6.2	-	-
	Ø125	1200-5	-	EasiPipe 125	Duct	12266	0.4	1.4	3.8	-	-
	Ø150	1200-6	-	EasiPipe 150	Duct	17263	0.2	0.8	2.4	-	-
Duct - Connector - Straight											
	110x54	DD020	40020	System 100	Female	-	0.3	1.4	6.3	-	-
	204x60	520	50520	Supertube	Female	-	0.1	0.4	1.5	-	-
	220x90	920	-	Megaduct	Female	-	-	-	-	-	-
	234x29	2006	-	PV Low Profile 225	Female	-	-	-	-	-	-
	308x29	3006	-	PV Low Profile 300	Female	-	-	-	-	-	-

Duct

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct - Connector - Straight											
	Ø100	493	40493	EasiPipe 100	Male	-	0.9	4.2	20.4	-	-
	Ø125	593	50593	EasiPipe 125	Male	-	0.2	0.9	4.3	-	-
	Ø150	693	-	EasiPipe 150	Male	-	0.1	0.2	1.1	-	-
Duct - Connector - Straight - Damper											
	110x54	DD027	-	System 100	Female	-	19.9	21.2	-	-	-
	204x60	527	-	Supertube	Female	-	21.9	41.1	-	-	-
	220x90	927	-	Megaduct	Female	-	-	-	23.5	29.2	49.3
	Ø100	494	40494	EasiPipe 100	Male	-	25.0	44.9	101.6	-	-
	Ø125	594	50594	EasiPipe 125	Male	-	18.3	31.5	61.7	-	-
	Ø150	694	-	EasiPipe 150	Male	-	13.6	23.5	43.6	-	-
Duct - Connector - Straight Damper & Wall Plate											
	Ø100	495	-	EasiPipe 100	Male	-	25.0	44.9	101.6	-	-
	Ø125	595	-	EasiPipe 125	Male	-	18.3	31.5	61.7	-	-
	Ø150	695	-	EasiPipe 150	Male	-	13.6	23.5	43.6	-	-
Duct - Connector - Universal											
	204x60	5B303	-	Supertube	Male	-	-	-	-	-	-
Duct - High Efficiency - Bend - Horizontal 90° - For More Information See Page 60.											
	204x60	550-GL*	-	Supertube	Female	-	0.80	3.1	9.9	-	-
	220x90	950-GL*	-	Megaduct	Female	-	-	-	2.6	9.1	-
Duct - Bend - Horizontal 90°											
	110x54	DD050	40050	System 100	Female	-	9.8	39.8	161.9	-	-
	204x60	550	50550	Supertube	Female	-	2.1	8.4	33.7	-	-
	220x90	950	-	Megaduct	Female	-	-	-	9.0	35.70	79.6
	234x29	2007	-	PV Low Profile 225	Female	-	10.0	97.3	139.1	-	-
	308x29	3007	-	PV Low Profile 300	Female	-	2.62	10.42	41.52	-	-
	Ø100	490	40490	EasiPipe 100	Male	-	5.6	21.1	80.1	-	-
	Ø125	590	50590	EasiPipe 125	Male	-	2.0	8.4	34.9	-	-
	Ø150	690	-	EasiPipe 150	Male	-	1.0	4.2	18.2	-	-
Duct - Bend - Horizontal 45°											
	110x54	DD055	40055	System 100	Female	-	3.7	15.5	65.8	-	-
	204x60	555	50555	Supertube	Female	-	0.6	2.7	13.2	-	-
	220x90	955	-	Megaduct	Female	-	-	-	4.6	19.74	46.5
	234x29	2008	-	PV Low Profile 225	Female	-	1.21	4.81	19.08	-	-
	308x29	3008	-	PV Low Profile 300	Female	-	1.14	4.09	14.71	-	-

* The colour of the internal vanes as shown in the image is illustrative (manufactured in white).

Duct

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct - Bend - Horizontal 45º											
	Ø100	491	40491	EasiPipe 100	Male	-	2.1	8.2	31.4	-	-
	Ø125	591	50591	EasiPipe 125	Male	-	0.7	2.9	12.2	-	-
	Ø150	691	-	EasiPipe 150	Male	-	0.4	1.7	7.3	-	-
Duct - Bend - Horizontal - With Cutting Guides - Adjustable up to 45°											
	204x60	545	-	Supertube	Male/Female	-	0.7	2.1	6.3	-	-
Duct - T Piece - Horizontal											
	110x54	DD080	40080	System 100	Female	-	-	-	-	-	-
	204x60	582	50582	Supertube	Female	-	-	-	-	-	-
	220x90	982	-	Megaduct	Female	-	-	-	-	-	-
	Ø100	492	40492	EasiPipe 100	Male	-	-	-	-	-	-
	Ø125	592	50592	EasiPipe 125	Male	-	-	-	-	-	-
	Ø150	692	-	EasiPipe 150	Male	-	-	-	-	-	-
Duct - Bend - Vertical - 90º											
	110x54	DD060	40060	System 100	Female	-	15.6	62.8	252.7	-	-
	204x60	560	50560	Supertube	Female	-	2.6	10.8	44.3	-	-
	220x90	960	-	Megaduct	Female	-	-	-	7.0	28.80	65.90
	234x29	2010	-	PV Low Profile 225	Female	-	5.45	19.91	72.7	-	-
	308x29	3010	-	PV Low Profile 300	Female	-	3.09	11.48	42.62	-	-
Duct - Bend - Vertical 45º											
	110x54	DD075	40075	System 100	Female	-	2.6	12.7	63.0	-	-
	204x60	575	50575	Supertube	Female	-	0.6	2.7	13.4	-	-
	220x90	975	-	Megaduct	Female	-	-	-	6.0	26.76	64.2
	234x29	2011	-	PV Low Profile 225	Female	-	4.49	8.59	29.67	-	-
	308x29	3011	-	PV Low Profile 300	Female	-	2.23	7.7	26.61	-	-
Duct - Y Piece											
	308x29	3015	-	PV Low Profile 300	Female	-	-	-	-	-	-
	Ø100	499	-	EasiPipe 100	Male	-	-	-	-	-	-
Duct - Y Piece - White Metal											
	Ø125	599M	-	EasiPipe 125	Male	-	-	-	-	-	-
	Ø150	699M	-	EasiPipe 150	Male	-	-	-	-	-	-

Duct

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct - End Cap											
	110x54	DD018	-	System 100	Male	-	-	-	-	-	-
	204x60	518	-	Supertube	Male	-	-	-	-	-	-
Duct - Wall Plate											
	110x54 ○	115-4	40115	System 100	-	-	-	-	-	-	-
	204x60 ○	115-5W	-	Supertube	-	-	-	-	-	-	-
	204x60 ●	115-5B	-	Supertube	-	-	-	-	-	-	-
	204x60 ●	115-5C	-	Supertube	-	-	-	-	-	-	-
	204x60 ●	115-5T	-	Supertube	-	-	-	-	-	-	-
	220x90 ○	115-6	-	Megaduct	-	-	-	-	-	-	-
	Ø100	114-4	40114	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	114-5	-	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	114-6	-	EasiPipe 150	-	-	-	-	-	-	-

Duct Fixings

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct Clip											
	110x54	122-4	40122	System 100	-	-	-	-	-	-	-
	204x60	522*	50522*	Supertube	-	-	-	-	-	-	-
	220x90	922*	-	Megaduct	-	-	-	-	-	-	-
	234x29	2014*	-	PV Low Profile 225	-	-	-	-	-	-	-
	308x29	2014*	-	PV Low Profile 300	-	-	-	-	-	-	-
	Ø100	496	40496	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	596	50596	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	696	-	EasiPipe 150	-	-	-	-	-	-	-

* Two components per fitting required.

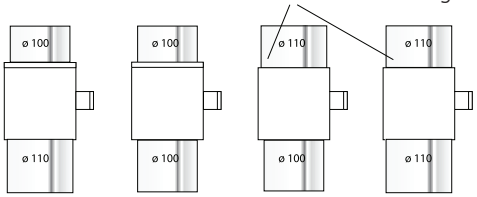
Condensation Control

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct - Condensation Trap with Overflow											
	Ø100	497	40497	EasiPipe 100	Male/Female	-	1.3	5.9	26.9	-	-
	Ø125	5697	-	EasiPipe 125	Male/Female	-	-	-	-	-	-
	Ø150	5697	-	EasiPipe 150	Male/Female	-	-	-	-	-	-

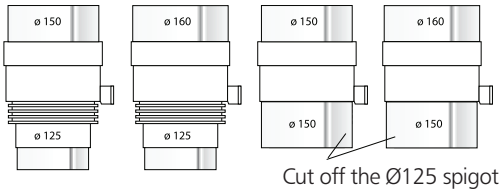
Condensation Trap Pipe Combinations

Code: 497 - Ø100mm

Remove the reducing ring



Code: 5697 - Ø125mm

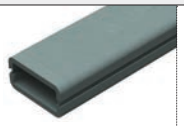


Cut off the Ø125 spigot

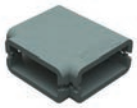
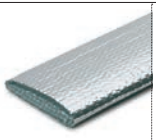
All dimensions shown in mm.

Note: 125mm installations - exit the trap using 150mm ventilation pipe or 160mm soil pipe in order to reduce air flow resistance.

Duct Insulation For More Information on Domus Thermal Duct Insulation See Pages 58-59.

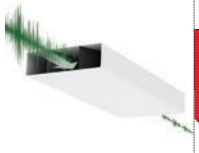
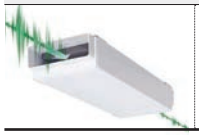
Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct Insulation 1m											
	204x60	TS510	-	Supertube	-	-	-	-	-	-	-
	220x90	TS910	-	Megaduct	-	-	-	-	-	-	-
	Ø100	TS1100-4	-	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	TS1100-5	-	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	TS1100-6	-	EasiPipe 150	-	-	-	-	-	-	-
Horizontal 90° Bend Duct Insulation											
	204x60	TS550	-	Supertube	-	-	-	-	-	-	-
	220x90	TS950	-	Megaduct	-	-	-	-	-	-	-
	Ø100	TS490	-	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	TS590	-	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	TS690	-	EasiPipe 150	-	-	-	-	-	-	-
Horizontal 45° Bend Duct Insulation											
	204x60	TS555	-	Supertube	-	-	-	-	-	-	-
	220x90	TS955	-	Megaduct	-	-	-	-	-	-	-
	Ø100	TS491	-	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	TS591	-	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	TS691	-	EasiPipe 150	-	-	-	-	-	-	-

Duct Insulation For More Information on Domus Thermal Duct Insulation See Page 58-59.

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Horizontal T Piece Duct Insulation											
	204x60	TS582	-	Supertube	-	-	-	-	-	-	-
	220x90	TS982	-	Megaduct	-	-	-	-	-	-	-
	Ø100	TS492	-	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	TS592	-	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	TS692	-	EasiPipe 150	-	-	-	-	-	-	-
Vertical 45° Bend Duct Insulation											
	204x60	TS575	-	Supertube	-	-	-	-	-	-	-
	220x90	TS975	-	Megaduct	-	-	-	-	-	-	-
Fixed Spigot Ø125mm Plenum Duct Insulation											
	204x60	TS540	-	Supertube	-	-	-	-	-	-	-
	220x90	TS961	-	Megaduct	-	-	-	-	-	-	-
PVC Coated, Steel Fastening Strap, 10m Roll											
	Suitable for Supertube, Megaduct, EasiPipe 100, 125 and 150	TS22	-	-	-	-	-	-	-	-	-
Insulation Sheet - 1m x 1.2m											
Does not form part of the Domus Thermal range. Please call us for more information.											
	Suitable for all Domus Rigid Duct Systems	10TP12	-	-	-	-	-	-	-	-	-

Domus Thermal is supplied in pairs.

Duct Sound Attenuation

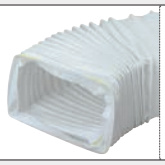
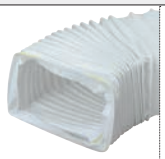
Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Duct - Silencer - Microban Protected - 0.5m											
	204x60	5SL05M	-	Supertube	Female	-	0.25	0.75	2.6	-	-
	204x60	5SL-500	-	Supertube	Duct	-	4.0	12.1	46.0	-	-
	220x90	9SL-500	-	Megaduct	Duct	-	-	-	12.7	49.0	-
Duct - Silencer - Microban Protected - 1m											
	204x60	5SL10M	-	Supertube	Female	-	0.5	1.5	5.2	-	-
	220x90	9SL10	-	Megaduct	Female	-	-	-	1.0	3.3	6.8

For More Information on NEW Domus Duct Silencers See Page 61.

Fire Compartment Integrity - FireBrake For More Information on Domus FireBrake See Page 61.

Description	Size (mm)	Code		Range	Connection	Free Area (mm²)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
FireBrake - Intumescent Duct Connector											
	110x54	DF087	-	System 100	Female	-	-	-	-	-	-
	204x60	587	-	Supertube	Female	-	-	-	-	-	-
	220x90	987	-	Megaduct	Female	-	-	-	-	-	-
	234x29	2087	-	PV Low Profile 225	Female	-	-	-	-	-	-
	308x29	3087	-	PV Low Profile 300	Female	-	-	-	-	-	-
	Ø100	488	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	588	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	688	-	EasiPipe 150	Female	-	-	-	-	-	-

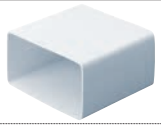
Flexible Hose

Description	Size (mm)	Code		Range	Connection	Free Area (mm²)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Hose - 0.5m											
	110x54	3305	40335	System 100	Female	-	-	-	-	-	-
	204x60	5305	-	Supertube	Female	-	-	-	-	-	-
	220x90	9305	-	Megaduct	Female	-	-	-	-	-	-
Hose - 1m											
	Ø100	361	40361	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	561	50561	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	661	-	EasiPipe 150	Female	-	-	-	-	-	-
Hose - 3m											
	110x54	333	-	System 100	Female	-	-	-	-	-	-
	204x60	533	-	Supertube	Female	-	-	-	-	-	-
	220x90	933	-	Megaduct	Female	-	-	-	-	-	-
	Ø100	363	40363	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	563	50563	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	663	-	EasiPipe 150	Female	-	-	-	-	-	-
Hose - 6m											
	Ø100	366	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	566	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	666	-	EasiPipe 150	Female	-	-	-	-	-	-
Hose - 15m											
	Ø100	3615	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	5615	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	6615	-	EasiPipe 150	Female	-	-	-	-	-	-

Flexible Hose

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Hose - 45m											
	Ø100	3645	-	EasiPipe 100	Female	-	-	-	-	-	-
Hose - Insulated - 10m											
	Ø100	4210	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	5210	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	6210	-	EasiPipe 150	Female	-	-	-	-	-	-

Flexible Hose Connectors

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Hose - Connector - 0.1m											
	110x54	381	-	System 100	Duct	-	-	-	-	-	-
	204x60	581	-	Supertube	Duct	-	-	-	-	-	-
	Ø100	380	-	EasiPipe 100	Male	-	-	-	-	-	-
	Ø125	580	-	EasiPipe 125	Male	-	-	-	-	-	-
	Ø150	680	-	EasiPipe 150	Male	-	-	-	-	-	-
Hose - Connector - 0.14m											
	220x90	981	-	Megaduct	Duct	-	-	-	-	-	-
Hose - Connector - Threaded - Socket											
	Ø100	126-4	40126	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	126-5	50126	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	126-6	-	EasiPipe 150	Female	-	-	-	-	-	-
Hose - Connector - Threaded - Spigot											
	Ø100	124-4	40124	EasiPipe 100	Male	-	-	-	-	-	-

Aluminium Duct

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Aluminium Duct - 0.3m											
	Ø100	403203	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	503203	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	603203	-	EasiPipe 150	Female	-	-	-	-	-	-
Aluminium Duct - 1.5m											
	Ø100	403215	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	503215	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	603215	-	EasiPipe 150	Female	-	-	-	-	-	-

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Aluminium Duct

Description	Size (mm)	Code		Range	Connection	Free Area (mm²)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Aluminium Duct - 3m											
	Ø100	403230	-	EasiPipe 100	Female	-	-	-	-	-	-
	Ø125	503230	-	EasiPipe 125	Female	-	-	-	-	-	-
	Ø150	603230	-	EasiPipe 150	Female	-	-	-	-	-	-
Aluminium Duct Clip											
	Ø100	127-4	40127	EasiPipe 100	-	-	-	-	-	-	-
	Ø125	127-5	50127	EasiPipe 125	-	-	-	-	-	-	-
	Ø150	127-6	-	EasiPipe 150	-	-	-	-	-	-	-

Insulated Hose and Aluminium Duct Fixings

Description	Size (mm)	Code		Range	Connection	Free Area (mm²)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Hose - Clip											
	Ø100	125-4	40125	EasiPipe 100	90-110mm	-	-	-	-	-	-
	Ø125	125-5	50125	EasiPipe 125	110-130mm	-	-	-	-	-	-
	Ø150	125-6	-	EasiPipe 150	140-160mm	-	-	-	-	-	-
Hose Clip - Universal											
	Ø100	125-UNI	-	EasiPipe 100	65-215mm	-	-	-	-	-	-
	Ø125	125-UNI	-	EasiPipe 125	65-215mm	-	-	-	-	-	-
	Ø150	125-UNI	-	EasiPipe 150	65-215mm	-	-	-	-	-	-

Internal Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm²)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Air Valve - Adapter - Integral Flow Control Plenum - For Connection to Architectural Grilles - For More Information See Page 60.											
	204x60	540-FC	-	Supertube	Female/Male	-	1.7	6.9	27.1	-	-
Air Valve - Adapter											
	110x54	DD040	-	System 100	Female/Male	-	8.1	33.1	136.4	-	-
	204x60	540	-	Supertube	Female/Male	-	1.7	6.9	27.1	-	-
	220x90	961	-	Megaduct	Female/Male	-	-	-	9.0	34.0	75.0
	234x29	2013	-	PV Low Profile 225	Male/Female	-	7.9	31.5	126.0	-	-
	308x29	3013	-	PV Low Profile 300	Male/Female	-	4.3	15.8	58.9	-	-
Air Valve - Extract or Supply											
	Ø100	136-04	-	-	Male	-	-	-	-	-	-
	Ø125	136-05	-	-	Male	-	-	-	-	-	-
	Ø150	136-06	-	-	Male	-	-	-	-	-	-

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Internal Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Air Valve - Extract or Supply - Suspended Ceiling											
	Ø100	136-24	40136	-	Male	-	-	-	-	-	-
	Ø125	136-25	50136	-	Male	-	-	-	-	-	-
	Ø150	136-26	-	-	Male	-	-	-	-	-	-
Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated											
	Ø100	136FR-24M	-	-	Male	-	-	-	-	-	-
	Ø125	136FR-25M	-	-	Male	-	-	-	-	-	-
	Ø150	136FR-26M	-	-	Male	-	-	-	-	-	-
Architectural Grilles											
	Ø125	ART125-CF1S	-	-	-	-	-	-	-	-	-
	Ø125	ART125-CF1BM	-	-	-	-	-	-	-	-	-
	Ø125	ART125-CF1W	-	-	-	-	-	-	-	-	-
	Ø125	ART125-DT1S	-	-	-	-	-	-	-	-	-
	Ø125	ART125-DT1W	-	-	-	-	-	-	-	-	-
	Ø125	ART125-SD2W	-	-	-	-	-	-	-	-	-
	Ø125	ART125-SD1W	-	-	-	-	-	-	-	-	-
	Ø125	ART125-CD1W	-	-	-	-	-	-	-	-	-
Diffuser - Multi-Directional - Environmental Filter											
	Ø100	4908F	-	-	Male	Equivalent area 2653mm^2	-	-	-	-	-
Accessory: Spare Environmental Filter											
	Ø100	40AF	-	-	-	-	-	-	-	-	-
Accessory: Pollen Filter											
	Ø100	40AFP	-	-	-	-	-	-	-	-	-

Pressure Difference (Pa)	Litres per Second (l/s)	Equivalent Area (mm^2)
20	9.7	2757
10	6.8	2733
8	6.1	2725
4	4.2	2700
2	3.0	2676
1	2.1	2653

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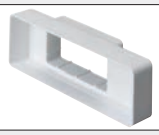
Internal Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Diffuser - White											
	Ø100	4907W	-	-	Male	-	-	-	-	-	-
	Ø125	5907W	55907W	-	Male	-	-	-	-	-	-
	Ø150	6907W	-	-	Male	-	-	-	-	-	-
Diffuser - Chrome											
	Ø100	4907CH	-	-	Male	-	-	-	-	-	-

External Wall Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Outlet - Airbrick - Adapter											
	110x54	DD077	40077	System 100	Duct/Male	-	1.2	4.7	17.8	-	-
Outlet - Airbrick - Adapter - 204 x 60mm - 220 x 90mm											
	204x60	957	-	Supertube	Male/Female	-	-	-	45.8	186.6	431.8
									Including Airbrick		
Outlet - Double Airbrick - Adapter - 220 x 90mm - 227 x 133mm											
	220x90	977	-	Megaduct	Female/Male	-	-	-	20.8	74.1	173.0
									Including Airbrick		
Outlet - Airbrick - Double											
	235x41 ○	905W	905WX2R	-	Female	15175	-	-	14.8	61.1	103.3
	235x41 ●	905B	905BX2R	-	Female	15175	-	-	14.8	61.1	103.3
	235x41 ●	905C	905CX2R	-	Female	15175	-	-	14.8	61.1	103.3
	235x41 ●	905T	905TX2R	-	Female	15175	-	-	14.8	61.1	103.3
Outlet - Airbrick - Fascia - Adapter											
	234x29	2016	-	PV Low Profile 225	Female	-	-	-	-	-	-
	308x29	3016	-	PV Low Profile 300	Female	-	-	-	-	-	-
Outlet - Airbrick											
	204x60 ○	505W	-	Supertube	Female	5500	7.2	27.8	108.1	-	-
	204x60 ●	505B	-	Supertube	Female	5500	7.2	27.8	108.1	-	-
	204x60 ●	505C	-	Supertube	Female	5500	7.2	27.8	108.1	-	-
	204x60 ●	505T	-	Supertube	Female	5500	7.2	27.8	108.1	-	-
	204x60 ●	505BK	-	Supertube	Female	5500	7.2	27.8	108.1	-	-
Outlet - Airbrick - Fascia											
	204x60 ○	2316W	-	Supertube	Male	5500	7.7	29.9	115.8	-	-
	204x60 ●	2316B	-	Supertube	Male	5500	7.7	29.9	115.8	-	-
	204x60 ●	2316C	-	Supertube	Male	5500	7.7	29.9	115.8	-	-
	204x60 ●	2316T	-	Supertube	Male	5500	7.7	29.9	115.8	-	-
	204x60 ●	2316G	-	Supertube	Male	5500	7.7	29.9	115.8	-	-
	204x60 ●	2316BK	-	Supertube	Male	5500	7.7	29.9	115.8	-	-

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External Wall Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Outlet - Airbrick - Damper											
	204x60 ○	501W	-	Supertube	Male	6450	16.4	23.8	75.8	-	-
	204x60 ●	501B	-	Supertube	Male	6450	16.4	23.8	75.8	-	-
	204x60 ●	501C	-	Supertube	Male	6450	16.4	23.8	75.8	-	-
	204x60 ●	501T	-	Supertube	Male	6450	16.4	23.8	75.8	-	-
Outlet - Airbrick - Damper - Wall Plate											
	204x60 ○	-	55015W	Supertube	Male	6450	16.4	23.8	75.8	-	-
	204x60 ●	-	55015B	Supertube	Male	6450	16.4	23.8	75.8	-	-
Outlet - Gravity Flaps											
	110x54 ○	4901W	44910W*	System 100	Male	5770	13.2	11.0	11.8	-	-
	Ø100 ○	4900W	44910W*	EasiPipe 100	Male	7200	9.2	10.8	11.4	-	-
	Ø125 ○	5900W	55900W	EasiPipe 125	Male	11200	6.7	9.9	12.7	-	-
	Ø150 ○	6900W	-	EasiPipe 150	Male	16000	5.9	8.5	11.4	-	-
	110x54 ●	4901B	44910B*	System 100	Male	5770	13.2	11.0	11.8	-	-
	Ø100 ●	4900B	44910B*	EasiPipe 100	Male	7200	9.2	10.8	11.4	-	-
	Ø125 ●	5900B	55900B	EasiPipe 125	Male	11200	6.7	9.9	12.7	-	-
	Ø150 ●	6900B	-	EasiPipe 150	Male	16000	5.9	8.5	11.4	-	-
	110x54 ●	4901C	-	System 100	Male	5770	13.2	11.0	11.8	-	-
	Ø100 ●	4900C	-	EasiPipe 100	Male	7200	9.2	10.8	11.4	-	-
	Ø125 ●	5900C	-	EasiPipe 125	Male	11200	6.7	9.9	12.7	-	-
	Ø150 ●	6900C	-	EasiPipe 150	Male	16000	5.9	8.5	11.4	-	-
	110x54 ●	4901T	44910T*	System 100	Male	5770	13.2	11.0	11.8	-	-
	Ø100 ●	4900T	44910T*	EasiPipe 100	Male	7200	9.2	10.8	11.4	-	-
	Ø125 ●	5900T	-	EasiPipe 125	Male	11200	6.7	9.9	12.7	-	-
	Ø150 ●	6900T	-	EasiPipe 150	Male	16000	5.9	8.5	11.4	-	-
	Ø100 ●	-	44900BK	EasiPipe 100	Male	7200	9.2	10.8	11.4	-	-
Outlet - Cowled - Damper											
	110x54 ○	4903W	44932W*	System 100	Male	5800	6.1	16.7	68.2	-	-
	Ø100 ○	4902W	44932W*	EasiPipe 100	Male	7230	6.7	12.5	41.6	-	-
	Ø125 ○	5902W	55902W	EasiPipe 125	Male	11500	5.8	7.7	13.1	-	-
	Ø150 ○	6902W	-	EasiPipe 150	Male	16500	5.3	8.0	14.5	-	-
	110x54 ●	4903B	44932B*	System 100	Male	5800	6.1	16.7	68.2	-	-
	Ø100 ●	4902B	44932B*	EasiPipe 100	Male	7230	6.7	12.5	41.6	-	-
	Ø125 ●	5902B	55902B	EasiPipe 125	Male	11500	5.8	7.7	13.1	-	-
	Ø150 ●	6902B	-	EasiPipe 150	Male	16500	5.3	8.0	14.5	-	-
	Ø100 ●	4902C	-	EasiPipe 100	Male	7230	6.7	12.5	41.6	-	-
	Ø125 ●	5902C	-	EasiPipe 125	Male	11500	5.8	7.7	13.1	-	-
	Ø150 ●	6902C	-	EasiPipe 150	Male	16500	5.3	8.0	14.5	-	-
	Ø100 ●	4902T	-	EasiPipe 100	Male	7230	6.7	12.5	41.6	-	-
	Ø125 ●	5902T	-	EasiPipe 125	Male	11500	5.8	7.7	13.1	-	-
	Ø150 ●	6902T	-	EasiPipe 150	Male	16500	5.3	8.0	14.5	-	-
	Ø100 ●	-	44902BK	EasiPipe 100	Male	7230	6.7	12.5	41.6	-	-

*Rectangular and round connections - fit directly to either 110x54mm or Ø100mm systems.

External Wall Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Outlet - Louvered Grille											
	110x54 ○	4905W	-	System 100	Male	5500	4.1	15.9	61.6	-	-
	Ø100 ○	4904W	-	EasiPipe 100	Male	6500	2.0	7.9	30.4	-	-
	Ø125 ○	5904W	-	EasiPipe 125	Male	11500	0.6	2.1	7.7	-	-
	Ø150 ○	6904W	-	EasiPipe 150	Male	16500	0.5	1.8	6.3	-	-
	110x54 ●	4905B	-	System 100	Male	5500	4.1	15.9	61.6	-	-
	Ø100 ●	4904B	-	EasiPipe 100	Male	6500	2.0	7.9	30.4	-	-
	Ø125 ●	5904B	-	EasiPipe 125	Male	11500	0.6	2.1	7.7	-	-
	Ø150 ●	6904B	-	EasiPipe 150	Male	16500	0.5	1.8	6.3	-	-
	110x54 ●	4905C	-	System 100	Male	5500	4.1	15.9	61.6	-	-
	Ø100 ●	4904C	-	EasiPipe 100	Male	6500	2.0	7.9	30.4	-	-
	Ø125 ●	5904C	-	EasiPipe 125	Male	11500	0.6	2.1	7.7	-	-
	Ø150 ●	6904C	-	EasiPipe 150	Male	16500	0.5	1.8	6.3	-	-
	110x54 ●	4905T	-	System 100	Male	5500	4.1	15.9	61.6	-	-
	Ø100 ●	4904T	-	EasiPipe 100	Male	6500	2.0	7.9	30.4	-	-
	Ø125 ●	5904T	-	EasiPipe 125	Male	11500	0.6	2.1	7.7	-	-
	Ø150 ●	6904T	-	EasiPipe 150	Male	16500	0.5	1.8	6.3	-	-
	Ø100 ●	-	44904BK	EasiPipe 100	Male	6500	2.0	7.9	30.4	-	-
Outlet - Louvered Grille - Flyscreen											
	110x54 ○	F4905W	44954W*	System 100	Male	4950	20.0	75.9	288.2	-	-
	Ø100 ○	F4904W	44954W*	EasiPipe 100	Male	5850	9.9	37.1	138.7	-	-
	Ø125 ○	F5904W	55904W	EasiPipe 125	Male	9200	2.0	7.1	24.6	-	-
	Ø150 ○	F6904W	-	EasiPipe 150	Male	13200	1.6	5.2	17.4	-	-
	110x54 ●	F4905B	44954B*	System 100	Male	4950	20.0	75.9	288.2	-	-
	Ø100 ●	F4904B	44954B*	EasiPipe 100	Male	5850	9.9	37.1	138.7	-	-
	Ø125 ●	F5904B	55904B	EasiPipe 125	Male	9200	2.0	7.1	24.6	-	-
	Ø150 ●	F6904B	-	EasiPipe 150	Male	13200	1.6	5.2	17.4	-	-
	110x54 ●	F4905C	-	System 100	Male	4950	20.0	75.9	288.2	-	-
	Ø100 ●	F4904C	-	EasiPipe 100	Male	5850	9.9	37.1	138.7	-	-
	Ø125 ●	F5904C	-	EasiPipe 125	Male	9200	2.0	7.1	24.6	-	-
	Ø150 ●	F6904C	-	EasiPipe 150	Male	13200	1.6	5.2	17.4	-	-
	Ø100 ●	F4904T	-	EasiPipe 100	Male	5850	9.9	37.1	138.7	-	-
	Ø125 ●	F5904T	-	EasiPipe 125	Male	9200	2.0	7.1	24.6	-	-
	Ø150 ●	F6904T	-	EasiPipe 150	Male	13200	1.6	5.2	17.4	-	-
Outlet - Louvered Soffit Vent											
	Ø100 ○	4804W	44804W	EasiPipe 100	Male	4200	13.3	53.0	211.2	-	-
	Ø100 ●	4804B	44804B	EasiPipe 100	Male	4200	13.3	53.0	211.2	-	-
Outlet - Louvered Soffit Vent - Flyscreen											
	Ø100 ○	F4804W	F44804W	EasiPipe 100	Male	3350	21.5	86.4	346.5	-	-
	Ø100 ●	F4804B	F44804B	EasiPipe 100	Male	3350	21.5	86.4	346.5	-	-
	Ø100 ●	F4804C	-	EasiPipe 100	Male	3350	21.5	86.4	346.5	-	-
	Ø100 ●	F4804T	-	EasiPipe 100	Male	3350	21.5	86.4	346.5	-	-

*Rectangular and round connections - fit directly to either 110x54mm or Ø100mm systems.

Square grilles and cowls for 110x54mm and Ø100mm - 154mm x 154mm.
Square grilles and cowls for Ø125mm and Ø150mm - 200mm x 200mm.

External Roof Duct Terminals

Description	Size (mm)	Code		Range	Connection	Free Area (mm^2)	Pressure Loss (Pa) @				
		Boxed	Retail Pack				15l/s	30l/s	60l/s	120l/s	180l/s
Roof Cowl - Universal											
	Ø100	4411	-	EasiPipe 100	Male	-	-	-	-	-	-
	Ø125	4411	-	EasiPipe 125	Male	-	-	-	-	-	-
	Ø150	4411	-	EasiPipe 150	Male	-	-	-	-	-	-

Duct Seals

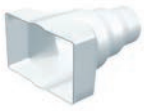
Description	Size (mm)	Code	
		Boxed	Retail Pack
Duct - Sealant - Can also be used for Intumescent Applications			
	Suitable for all Domus Rigid Duct Systems and for use with Domus FireBrake Connectors	DDSEAL	-
Duct - Tape - Aluminium - 45m			
	Suitable for all Domus Rigid Duct Systems	50TP45	-
Duct - Tape - PVC - 4.6m			
	Suitable for all Domus Rigid Duct Systems	123-4	40123
Duct - Tape - PVC - 33m			
	Suitable for all Domus Rigid Duct Systems	123	-

Rigid Duct Adapters

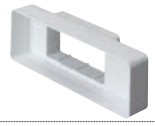
MAXIMISES THE EFFICIENCY OF SILAVENT APPLIANCES

DOMUS

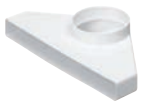
In-line Adapters

Description	Size To (mm)	Size From (mm)	Code		Connection	Pressure Loss (Pa) @				
			Boxed	Retail Pack		15l/s	30l/s	60l/s	120l/s	180l/s
Round - Round										
	Ø100	Ø80	DD019	-	Duct/Male	-	-	-	-	-
	Ø110	Ø100	120	40120	Female/Male	-	-	-	-	-
	Ø125	Ø100	119	40119	Duct/Male	1.5	5.9	24.0	-	-
	Ø125	Ø120	519	-	Female/Female	-	-	-	-	-
	Ø150	Ø100	619	-	Duct/Male	-	-	-	-	-
	Ø150	Ø125	118	50118	Duct/Male	0.6	2.2	8.8	-	-
	Ø160	Ø150	620	-	Duct/Male	-	-	-	-	-
	Ø200	Ø150	819	-	Duct/Male	-	-	-	-	-
Space Saving										
	Ø125	Ø100	544	-	Male/Male	-	-	-	-	-
	Ø150	Ø100 or Ø125	644	-	Male/Male/Male	-	-	-	-	-
	110x54	Ø100	DD071	40071	Female/Male	4.8	20.4	86.2	-	-
Rectangular - Round										
	110x54	Ø100	DD070	40070	Female/Duct	3.7	14.6	58.0	-	-
	204x60 Single Airbrick	Ø100	DD073	-	Male/Male	4.1	16.8	68.7	-	-
	204x60	Ø125	570	50570	Female/Duct	0.7	2.9	11.5	-	-
	220x90	Ø150	970	-	Female/Female	-	-	3.7	14.1	30.7
	227x133 Double Airbrick	Ø100, Ø125, or Ø150	954	-	Female/Male/Male/Male	-	-	-	-	-
	234x29 308x29	Ø100 Ø100	2005 3005	- -	Female/Duct Female/Duct	3.8 6.11	14.8 23.67	57.2 91.66	- -	- -

In-line Adapters

Description	Size To (mm)	Size From (mm)	Code		Connection	Pressure Loss (Pa) @				
			Boxed	Retail Pack		15l/s	30l/s	60l/s	120l/s	180l/s
Rectangular - Rectangular										
	204x60 Single Airbrick	110x54	DD077	40077	Duct/Male	1.2	4.7	17.8	-	-
	204x60 Airbrick Fascia	234x29	2016	-	Female/Female	-	-	-	-	-
	204x60 Airbrick Fascia	308x29	3016	-	Female/Female	-	-	-	-	-
	220x90	204x60	957	-	Male/Female	-	-	-	-	-
	220x90	204x60	958	-	Female/Female	-	-	-	-	-
	227x133 Double Airbrick	220x90	977	-	Male/Female	-	-	-	-	-
	308x29	234x29	2332	-	Female/Female	-	-	-	-	-

Plenums

Description	Size To (mm)	Size From (mm)	Code		Connection	Pressure Loss (Pa) @				
			Boxed	Retail Pack		15l/s	30l/s	60l/s	120l/s	180l/s
Fixed Socket										
	110x54	Ø100	DD030	40030	Female/Duct	8.1	33.1	136.4	-	-
Fixed Spigot										
	110x54	Ø100	DD040	40040	Female/Male	8.1	33.1	136.4	-	-
	204x60	Ø102	440	-	Female/Male	1.4	5.3	19.9	-	-
	204x60	Ø125	540	-	Female/Male	1.7	6.9	27.1	-	-
	204x60	Ø150	640	-	Female/Male	1.8	7.4	29.8	-	-
	234x29	Ø100	2013	-	Female/Duct	7.9	31.5	126.0	-	-
	308x29	Ø100	3013	-	Female/Duct	4.3	15.8	58.9	-	-
Offset Rotating Spigot										
	204x60	Ø100	441	-	Female/Male	7.3	29.1	116.4	-	-
	204x60	Ø125	541	50541	Female/Male	2.7	11.1	45.9	-	-
	204x60	Ø150	641	-	Female/Male	1.1	4.5	18.3	-	-
	220x90	Ø100	941	-	Female/Male	-	-	5.3	20.4	44.8
	220x90	Ø125	951	-	Female/Male	-	-	3.6	14.9	34.4
	220x90	Ø150	961	-	Female/Male	-	-	9.0	34.0	75.0

Background Ventilators

For use with Intermittent Extract and MEV systems.

Selecting the correct specification of background ventilation is explained in section 5 of Approved Document F of Building Regulations (p19).

General guidance:

Background ventilators should be located to avoid draughts, typically 1.7m above floor level.

Background ventilators should be located in all rooms with external walls.

- At least 5000mm² total equivalent area of ventilation should be provided in each habitable room and 2500mm² equivalent area in each wet room
- For rooms with no external walls, detailed guidance is given in paragraphs 5.14 to 5.16 of Approved Document F

High Rise Kits

Ideal for installations where fitting from the outside is difficult.

Domus kits are available with different terminal colours.

Certain component parts change colour dependent on the colour of the kit ordered. Where applicable this is marked with an asterisk (*).

Background Ventilator Kits

Description	Size (mm)	Code		Range	Contents
		Boxed	Retail Pack		
Telescopic - Diffuser - Environmental Filter*					
	Ø100 ○	2404W	-	EasiPipe 100	4904*
	Ø100 ●	2404B	-	EasiPipe 100	130-4
	Ø100 ●	2404C	-	EasiPipe 100	4908F
	Ø100 ●	2404T	-	EasiPipe 100	
Accessory: Environmental Filter					
	Ø100	40AF	-	EasiPipe 100	-
Accessory: Pollen Filter					
	Ø100	40AFP	-	EasiPipe 100	-
Telescopic - Damper					
	Ø125 ○	508W	-	EasiPipe 125	5902W P3-0175 P4-0275 114-5

* Equivalent area 2653 mm²

Pressure Difference (Pa)	Litres per Second (l/s)	Equivalent Area (mm²)
20	9.7	2757
10	6.8	2733
8	6.1	2725
4	4.2	2700
2	3.0	2676
1	2.1	2653

High Rise Kits

Description	Size (mm)	Code		Range	Contents
		Boxed	Retail Pack		
Cowled - Ø100mm Connection					
	Ø100 ○	2447W	-	EasiPipe 100	-
	Ø100 ●	2447B	-	EasiPipe 100	-
	Ø100 ●	2447T	-	EasiPipe 100	-
Cowled - Ø150mm Connection					
	Ø150 ○	2647W	-	EasiPipe 150	-
	Ø150 ●	2647B	-	EasiPipe 150	-

Cooker Hood Extraction

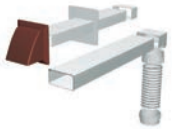
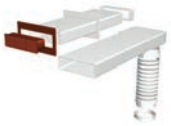
Cooker hood kits consist of rectangular duct so that they can be concealed when installed above kitchen cabinets.

To determine which cooker hood kit is required, select the kit with the appropriate connection for the appliance exhaust spigot.

Domus kits are available with different terminal colours.

Certain component parts change colour dependent on the colour of the kit ordered. Where applicable this is marked with an asterisk (*).

Cooker Hood Extraction Kits

Description	Size (mm)	Code		Range	Contents
		Boxed	Retail Pack		
Cowled - Ø100mm Connection					
	110x54 ○ 110x54 ●	212W 212B	- -	System 100 System 100	4903* 2 x DD010 DD020 DD030 361 115-4 124-4 126-4
Cowled - Ø100mm Connection - 90° Bend					
	110x54 ●	214B	-	System 100	4903* 2 x DD010 DD020 DD030 DD050 361 115-4 124-4 126-4
Airbrick - Ø125mm Connection					
	204x60 ○ 204x60 ●	227W 227B	- -	Supertube Supertube	501* 2 x 510 520 541 544 561 2 x 115-5* 2 x 126-5 519
Double Airbrick - Ø150mm Connection - 90° Bend					
	220x90 ○ 220x90 ●	2653W 2653B	- -	Megaduct Megaduct	905* 977 2 x 910 920 950 961 2 x 126-6 661
Double Airbrick - Ø150mm Rigid Connection - 90° Bend					
	220x90 ○	2655W	-	Megaduct	905W 977 2 x BLK910 920 950 961 1100-6

Tumble Dryer Extraction

To determine which tumble dryer kit is required, select the kit with the appropriate connection for the appliance exhaust spigot.

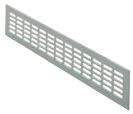
Domus kits are available with different terminal colours.

Certain component parts change colour dependent on the colour of the kit ordered. Where applicable this is marked with an asterisk (*).

Tumble Dryer Extraction Kits

Description	Size (mm)	Code		Range	Contents
		Boxed	Retail Pack		
Wall - Cowled - Ø100mm Connection					
	110x54 ○	207W	40207	System 100	4903W D1-0400 114-4 126-4 DD071 Retail pack also inc: 363
	Ø100 ○	240W	-	EasiPipe 100	4902 135-4 114-4 124-4
Wall - Hose - Cowled - Ø100mm Connection					
	Ø100 ○ Ø100 ●	202W 202B	40202 -	EasiPipe 100 EasiPipe 100	4902* 361 114-4 2 x 126-4
Wall - Hose - Cowled - Ø125mm Connection					
	Ø125 ○ Ø125 ●	202-5W 202-5B	- -	EasiPipe 125 EasiPipe 125	5902* 561 114-5 2 x 126-5
Wall - Hose - Cowled - Ø150mm Connection					
	Ø150 ○ Ø150 ●	202-6W 202-6B	- -	EasiPipe 150 EasiPipe 150	6902* 661 114-6 2 x 126-6
Wall - Hose - Gravity Flap Ø100mm Connection					
	Ø100	-	40205	EasiPipe 100	4900 361 114-4 2 x 126-4
Internal Condensing Kit - Ø100mm Connection					
	Ø100	2442-2	-	EasiPipe 100	2441 362 126-4

Worktop Ventilator

Description	Size (mm)	Code		Free Area (mm²)
		Boxed	Retail Pack	
Aluminium Louvre Grille				
	500x80 446x65 (cut out size)	148A	-	8500

Door/Wall Ventilators

Louvre Grille				
	271x95 271x171	793 796	40793 40796	8800 17766
Adjustment Grille				
	271x95 271x171	893 896	40893 40896	4330 8490

Soil Ventilators

Roof Vent Cowl				
	Ø110 Ø110 Ø110	4110W 4110B 4110G	- - -	- - -
Roof Weathering Slate - Rubber/Aluminium				
	Ø110	4457	-	-

Flexible Hose Connector

Hose Connector				
	Ø110	126-110	-	-

Hose Clips

Hose Clips				
	Ø80 Ø200	125-3 125-8	- -	- -

Rigid Duct Insulation

MAXIMISES THE EFFICIENCY OF SILAVENT APPLIANCES

DOMUS THERMAL

As an integral part of Domus rigid duct systems, Domus Thermal is a unique and patented duct insulation system, designed specifically to radically improve the thermal insulation of rigid ducting in domestic properties.

Why Domus Thermal?

- Complies with 2010 Building Regulations and NHBC requirements*
- LABC registered
- Reduces heat loss and virtually eliminates the formation of condensation
- Insulates ducting passing through cold spaces and in the heated area of a dwelling
- Insulates both the exhaust and intake ducts into the MVHR unit
- An installer-friendly solution which can be fitted quickly and reliably without the need for gluing or taping

* Note: NHBC requirement for unheated areas require supplementary insulation. Please consult NHBC Standards Chapter 3.2

Why is it needed?

Changes to current Building Regulations require that greater provision needs to be made for insulating ducting in domestic properties.

Building Regulations demand:
≤0.04 W/(m.K) thermal conductivity at 25mm insulation thickness.

Minimum thermal resistance or R-value = 0.025/0.04 = **0.625 K/W.**

Domus Thermal provides:
≤0.03 W/(m.K) thermal conductivity at 20mm insulation thickness.

Thermal resistance or R-value = 0.020/0.03 = **0.666 K/W.**

Quicker to install

Currently, compliant solutions are more labour intensive and require higher skill levels to install. Domus Thermal's simple interlocking feature means that the system is quicker and easier to install. This revolutionary method can therefore significantly reduce installation costs.

Breadth of range

PATENTED

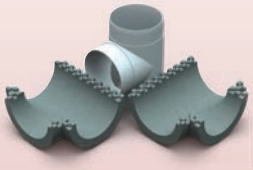
Domus Thermal is available in a range of profiles and fittings to insulate the Domus:

- Ø100mm EasiPipe ducting
- Ø125mm EasiPipe ducting
- Ø150mm EasiPipe ducting
- 204x60mm Supertube ducting
- 220x90mm Megaduct ducting

To support the system, PVC coated, perforated, TS22, steel banding is also available for surface mounting or suspending the insulated system.

For more information on Domus Thermal please visit **www.polypipe.com/ventilation/rigidduct** or call **08443 715523**.

registered LABC Registered Details



MAXIMISES THE EFFICIENCY OF SILAVENT APPLIANCES

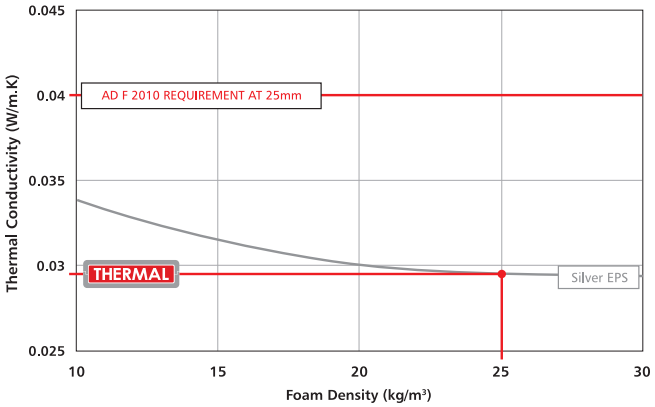
DOMUS THERMAL

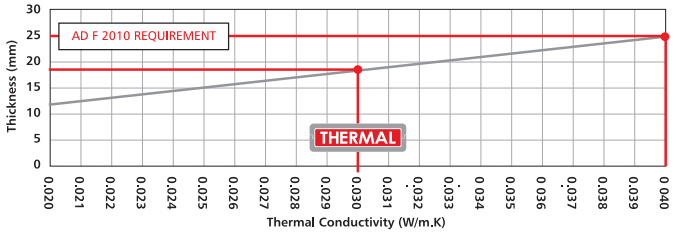
- Prevents condensation
- Complies with 2010 Building Regulations
- Reduces installation time and costs

Improved insulation properties

Domus Thermal is manufactured from flame retardant (EN 13163 class E) Silver EPS (expanded polystyrene), which provides its enhanced thermal insulation properties and enables the system to exceed the requirements of the current Building Regulations.

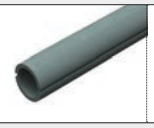
The Silver EPS used to manufacture Domus Thermal provides a significantly improved thermal conductivity value due to the inclusion of carbon particles, which gives Domus Thermal its distinctive silver colour.



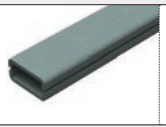
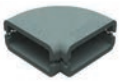
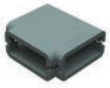


Domus Thermal range

Round Profiles

Description	Size (mm)	Code
Duct Insulation 1m		
	Ø100 Ø125 Ø150	TS1100-4 TS1100-5 TS1100-6
90° Bend Duct Insulation		
	Ø100 Ø125 Ø150	TS490 TS590 TS690
45° Bend Duct Insulation		
	Ø100 Ø125 Ø150	TS491 TS591 TS691
Equal T Piece Duct Insulation		
	Ø100 Ø125 Ø150	TS492 TS592 TS692

Rectangular Profiles

Description	Size (mm)	Code
Duct Insulation 1m		
	204x60 220x90	TS510 TS910
Horizontal 90° Bend Duct Insulation		
	204x60 220x90	TS550 TS950
Horizontal 45° Bend Duct Insulation		
	204x60 220x90	TS555 TS955
Horizontal T Piece Duct Insulation		
	204x60 220x90	TS582 TS982
Vertical 45° Bend Duct Insulation		
	204x60 220x90	TS575 TS975
Fixed Spigot Ø125mm Plenum Duct Insulation		
	204x60 220x90	TS540 TS961

High Efficiency Green Line Rigid Duct Bends

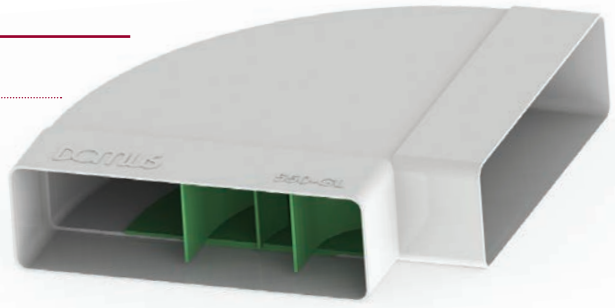
DOMUS new

Engineered to significantly reduce duct resistance, lower system noise and overall energy usage.

Why they are needed

Due to the profile of a duct bend, air travelling through it can become turbulent, causing increased resistance and system noise. As a consequence, the mechanical extract appliance will need to work harder in order to meet the required air flow rates; therefore consuming more energy.

Domus Green Line high efficiency 90° duct bends have been specifically designed to enable a uniform flow of air through the section of duct, **reducing the duct resistance by up to 60%** and lowering the air speed. All of which results in a quieter and more efficient ventilation system.



The colour of the internal vanes as shown in the image is illustrative (manufactured in white).

Key features

- Smoothly channels air through the duct bend in a uniform flow
- Performance has been tested by the Building Research Establishment (BRE)

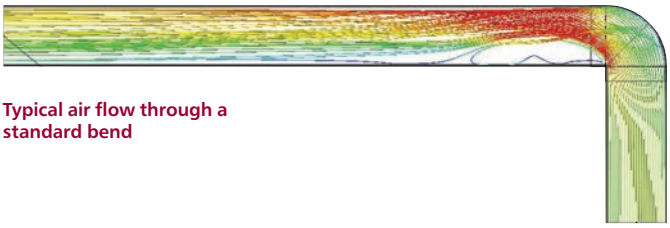
Key benefits

- Reduces duct resistance by up to 60% to lower the system's pressure drop and overall energy usage
- Reduced air speed through the bend to lower system noise

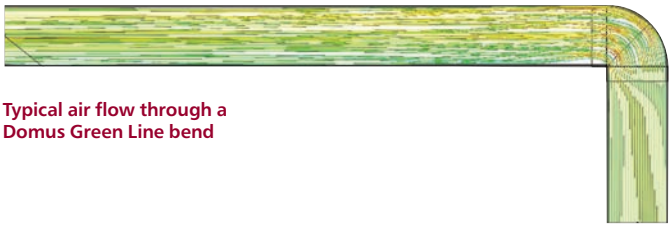
Range

PATENT PENDING

To support the most popular rectangular rigid duct profiles, **NEW** Domus Green Line bends are available to install with 204x60mm (550-GL) and 220x90mm (950-GL) ducting.



Typical air flow through a standard bend



Typical air flow through a Domus Green Line bend

Rigid Duct Plenum with Flow Control Device

DOMUS new

Innovatively designed to include an integral flow control device; allowing connection to a range of stylish grilles.

Key features

- Allows connection to architectural grilles – no air valves necessary
- Adjusting the air terminal for commissioning is quick and easy
- Enables commissioning to be carried out prior to fixing the ceiling boards

Key benefits

- Integral flow control device cannot be easily tampered with, thereby reducing the likelihood of impacting system performance and indoor air quality
- Commissioning rates can be agreed prior to ceilings being fixed; enabling peace of mind that the required air flow rates will be achieved (if fitted correctly) and less risk of costly remedial work
- Ability to integrate stylish grilles to fit interior design scheme

To help adjust the integral flow control device for commissioning and balancing, we also offer a Flow Control Adjustment Kit – code FCAK1. For further technical information on the 540-FC, turn to page 46.

PATENT PENDING

Rigid Duct Fire-Stopping Connectors

Designed to prevent the spread of fire through ducting systems.

Why they are needed

The spread of fire throughout a home is a serious concern for all new build developments. To prevent such occurrences from happening, Building Regulations require that when a compartment wall is penetrated by ducting, an approved fire-stopping device should be installed.

How it works

Domus FireBrake connectors contain the spread of fire within the duct system for up to two hours* by reacting to the heat and expanding inwards, very quickly providing a 100% closed fire seal.

*See fire rating table.

Fire rating table

Size (mm)	Code	Fire Rating
110x54	DF087	120 mins
204x60	587	120 mins
220x90	987	90 mins
234x29	2087	120 mins
308x29	3087	120 mins
Ø100	488	90 mins
Ø125	588	90 mins
Ø150	688	60 mins

Key features

- Complies with Approved Document B of the Building Regulations
- Tested to BS476/EN 1366-3
- Acts as a connector between the ducting and compartment wall

Key benefits

- Maintains the integrity of the duct system
- Quick and simple to install
- Does not require additional fixings, saving you time and money

See Domus FireBrake in action at
www.polypipe.com/ventilation/firebrake-video

Rigid Duct Microban Protected Silencers

new

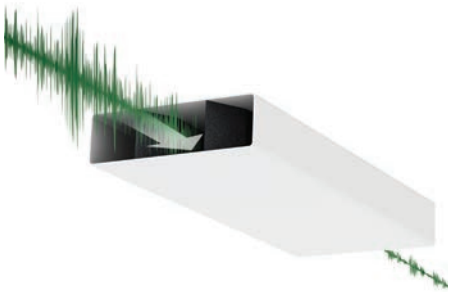
Significantly reduce noise transmitted from centralised appliances and 'cross talk' travelling between rooms in duct systems.

Why they are needed

Noise generated by a mechanical extract appliance could result in occupants incorrectly altering the performance of their system and as a consequence, detrimentally impacting indoor air quality.

To avoid this, Building Regulations stipulate that the system should not produce excessive noise that could discourage occupants from using it correctly.

In addition to this, resident cross talk carried through connecting room-to-room ducting can also impair homeowner comfort.



Key features

- Excellent sound attenuation properties as verified by the Sound Research Laboratories (SRL)
- Microban® protected foam helps enable a long life, clean and fresh ventilation system
- Low profile increases installation options and offers greater flexibility
- Lightweight and easy to fit for quicker installation time
- Can also be used with Domus Thermal duct insulation

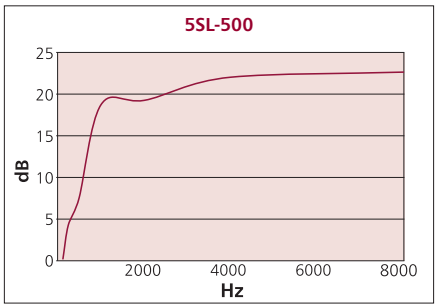
Key benefits

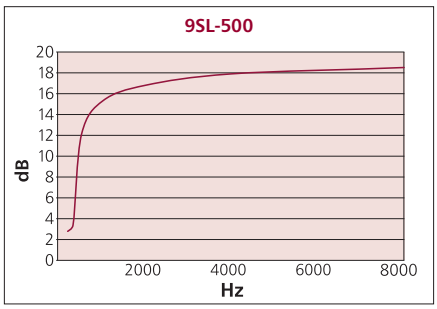
- Significantly reduces transmitted appliance noise and room-to-room cross talk
- Helps facilitate occupant acceptance of a continuously running centralised ventilation system
- Helps achieve Building Regulation recommendations

Range

To support the most popular rectangular rigid duct profiles our enhanced Domus Silencers are available to install with 204x60mm and 220x90mm duct systems.

Acoustic sound results





Sound Absorption Chart

Size (mm)	Code	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
204x60	5SL-500	0.2	4.2	7.4	19	19.3	21.6	22.2
220x90	9SL-500	2.9	3.5	12.3	15.5	17	18.1	18.8

www.polypipe.com/ventilation/rigidduct | Long life | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

Radial Duct Systems

MAXIMISES THE EFFICIENCY OF SILAVENT APPLIANCES

DOMUS RADIAL

Our next generation of Domus Radial semi-rigid duct systems provide simple, quick and hassle free design and installation which saves time and money, whilst maximising in-situ performance.

What is different about Domus Radial?

- **NEW** slimline manifold (125mm deep) enables easy installation between joists or in tight spaces
- Compact manifold size also allows for greater location flexibility
- **NEW** innovative outlet plenum with optional twin connection for increased air flow and lower energy usage

- Optional integral flow control device allows the outlet plenum to be connected directly to a stylish architectural grille – no air valve necessary
- Rapid fixing mechanism enables secure and air-tight connection with no leakages
- Corrugated construction and the unique formulation of semi-rigid duct resists stress cracking and on-site damage
- Can integrate with Domus rigid duct systems to create versatile hybrid solutions
- Fire-stopping and insulation components also available

Tested by the **Building Research Establishment (BRE)** for inclusion within the Product Characteristics Database, Domus Radial offers performance levels that not only are the equivalent to traditional rigid ducting in smaller builds but also exceed these levels in properties with four or more wet rooms.

Domus Radial is available as pre-selected house packs as well as individual parts.

Key benefits

- Up to 60% quicker and easier to install, saving you time and money
- Easy to order pre-selected house packs enable straightforward specification and selection
- Eliminates room-to-room cross talk, for a quieter home
- Simplified design layout makes the system ideal for new and refurb projects
- Increased air capacity for reduced air noise, low duct losses and improved appliance efficiency
- Ability to integrate stylish architectural grilles, to fit interior design scheme

MVHR system illustration

PATENT PENDING

Accessories

Architectural Grilles


ART125-CF1S


ART125-CF1BM


ART125-CF1W


ART125-DT1S


ART125-DT1W


5907W


ART125-SD2W


ART125-SD1W


ART125-CD1W

FireBrake Fire-Stopping Sleeve

RDFS75

Semi-Rigid Duct Insulation

RDI-25X5M

Never has it been so easy....

The simple plug and play mechanism between the semi-rigid duct and manifold, as well as the plenum's clip-on fixing system, make Domus Radial ultra-quick to install. As directed in our simple on-line step-by-step installation guide, the only tools you will require are:

- Pozidrive screw driver
- Cutting tool
- Long reach spanner*
- Allen key*

*Provided as part of architectural house packs only. Also sold as part of a kit on code FCAK1.

FCAK1 Kit

www.polypipe.com/ventilation/Radial | Unit warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

HRX MVHR House Packs

IMPROVES INDOOR AIR QUALITY

DOMUS RADIAL

For installation:

- Floor area up to 180m²

Installation of HRX MVHR appliance:

- Fits inside a kitchen cupboard, utility room or loft space

HRX MVHR performance:

- Low Specific Fan Power down to 0.58 W/(l/s)
- Heat exchange efficiency up to 88%

For further information on the HRX go to page 8.

PREMIUM | IDEAL FOR NEW BUILD | MANUFACTURED IN THE UK | CE | READY TO TAKE HOME

Radial House Packs

Code	Description	Internal Terminal
RDK-HRXS	Includes HRX MVHR Unit, Standard Plenums and Air Valves	Ø125mm Air Valves x 10
RDK-HRXS-AR	Includes HRX MVHR Unit and Flow Control Plenums	Order Architectural Grilles Separately
RDK-HRXB	Includes HRX MVHR Summer Bypass Unit, Standard Plenums and Air Valves	Ø125mm Air Valves x 10
RDK-HRXB-AR	Includes HRX MVHR Summer Bypass Unit and Flow Control Plenums	Order Architectural Grilles Separately

Standard House Pack Components

Code	Description	Quantity
HRX-S (standard) HRX-B (inc bypass)	HRX MVHR Appliance	1
RDD75	Semi-Rigid Duct, Ø75mm - 50m	2
RDM-EP150	Manifold (Round)	2
RDLAB	Extract and Supply Label Kit	1
RDPC75	Protective Caps	10
RDOP-125 (standard) RDOP-125FC (inc flow control)	Outlet Plenum, Ø125mm	10
561	Flexible PVC Hose, Ø125mm - 1m	10
125-5	Flexible Hose Clip, Ø125mm	20
RDD125	Insulated Duct, Ø125mm - 1m	8
RDD12590	Insulated 90° Bend, Ø125mm	6
50593	Straight Duct Connector, Ø125mm	8
50118	Circular Reducer, Ø150mm - Ø125mm	2
RDCLIP75	Duct Clips, Ø75mm - Pack of 10	8
DDSEAL	Domus Rigid Duct Sealant, 310ml	1

Other Standard Components Available

Code	Description
RDD75(25)	Semi-Rigid Duct, Ø75mm - 25m
RDM-MD220	Manifold (Rectangular)

System Expansion Pack

Code	Description	Quantity
RDSE2	Semi-Rigid Duct, Ø75mm - 50m	1
	Duct Clips, Ø75mm - Pack of 10	5
	Insulated Duct, Ø125mm - 1m	2
	Insulated 90° Bend, Ø125mm	3
	Straight Duct Connector, Ø125mm	2

Room Expansion Pack - Air Valve

Code	Description	Quantity
RDRE1	Outlet Plenum, Ø125mm	1
	Air Valve, Ø125mm	1
	Flexible PVC Hose, Ø125mm - 1m	1
	Flexible Hose Clip, Ø125mm	2

Semi-Rigid Duct Insulation

Code	Description
RDI-25X5M	Radial Duct Insulation 25x5m

FireBrake Fire-Stopping Product

RDFS75	Radial Duct FireBrake Fire-Stopping Sleeve, 250mm

Architectural Grilles

ART125-CF1S	Room Terminal, Curved, Silver Finish, 210x202mm
ART125-CF1BM	Room Terminal, Curved, Brushed Metal Finish, 210x202mm
ART125-CF1W	Room Terminal, Curved, Gloss White Finish, 202x202mm
ART125-DT1S	Room Terminal, Circular Indent, Silver Finish, 210x202mm
ART125-DT1W	Room Terminal, Circular Indent, Gloss White Finish, 210x202mm
5907W	Diffuser, Circular, White, Ø125mm
ART125-SD2W	Diffuser, Wave, White, Ø125mm
ART125-SD1W	Diffuser, White, Ø125mm
ART125-CD1W	Diffuser, Circular, White, Ø125mm

Appliance Accessories

HRXC-F	Glossy White Fascia
HRXC-AF	Air Filters (2 pack)
297	Condensate Drainage Kit
RDLAB	Extract and Supply Label Kit
RDPC75	Protective Caps
HRX-SILVER	1 Year Extended Warranty
HRX-GOLD	3 Years Extended Warranty
ANC846A	Duct Mounted Humidity Control with Remote Sensor and Timer

HRX2 MVHR House Packs

IMPROVES INDOOR AIR QUALITY

DOMUS RADIAL

For installation:

- Floor area up to 275m²

Installation of HRX2 MVHR appliance:

- Fits inside a utility room or loft space

HRX2 MVHR performance:

- Extremely low Specific Fan Power down to 0.46 W/(l/s)
- Heat exchange efficiency up to 95%

For further information on the HRX2 go to page 9.

PREMIUM | IDEAL FOR NEW BUILD | MANUFACTURED IN THE UK | CE | READY TO TAKE HOME

Radial House Packs

Code	Description	Internal Terminal
RDK-HRX2S	Includes HRX2 MVHR Unit, Standard Plenums and Air Valves	Ø125mm Air Valves x 10
RDK-HRX2S-AR	Includes HRX2 MVHR Unit and Flow Control Plenums	Order Architectural Grilles Separately
RDK-HRX2B	Includes HRX2 MVHR Summer Bypass Unit, Standard Plenums and Air Valves	Ø125mm Air Valves x 10
RDK-HRX2B-AR	Includes HRX2 MVHR Summer Bypass Unit and Flow Control Plenums	Order Architectural Grilles Separately

Standard House Pack Components

Code	Description	Quantity
HRX2-S (standard) HRX2-B (inc bypass)	HRX2 MVHR Appliance	1
RDD75	Semi-Rigid Duct, Ø75mm - 50m	2
RDM-EP150	Manifold (Round)	2
RDLAB	Extract and Supply Label Kit	1
RDPC75	Protective Caps	10
RDOP-125 (standard) RDOP-125FC (inc flow control)	Outlet Plenum, Ø125mm	10
561	Flexible PVC Hose, Ø125mm - 1m	10
125-5	Flexible Hose Clip, Ø125mm	20
RDD150	Insulated Duct, Ø150mm - 1m	8
RDD15090	Insulated 90° Bend, Ø150mm	6
RDC150	Straight Duct Connector, Ø150mm	8
RDCLIP75	Duct Clips, Ø75mm - Pack of 10	8
DDSEAL	Domus Rigid Duct Sealant, 310ml	1

Other Standard Components Available

Code	Description
RDD75(25)	Semi-Rigid Duct, Ø75mm - 25m
RDM-MD220	Manifold (Rectangular)

System Expansion Pack

Code	Description	Quantity
RDSE1	Semi-Rigid Duct, Ø75mm - 50m	1
	Duct Clips, Ø75mm - Pack of 10	5
	Insulated Duct, Ø150mm - 1m	2
	Insulated 90° Bend, Ø150mm	3
	Straight Duct Connector, Ø150mm	2

Room Expansion Pack - Air Valve

Code	Description	Quantity
RDRE1	Outlet Plenum, Ø125mm	1
	Air Valve, Ø125mm	1
	Flexible PVC Hose, Ø125mm - 1m	1
	Flexible Hose Clip, Ø125mm	2

Semi-Rigid Duct Insulation

Code	Description
RDI-25X5M	Radial Duct Insulation 25x5m

FireBrake Fire-Stopping Product

RDFS75	Radial Duct FireBrake Fire-Stopping Sleeve, 250mm

Architectural Grilles

ART125-CF1S	Room Terminal, Curved, Silver Finish, 210x202mm
ART125-CF1BM	Room Terminal, Curved, Brushed Metal Finish, 210x202mm
ART125-CF1W	Room Terminal, Curved, Gloss White Finish, 202x202mm
ART125-DT1S	Room Terminal, Circular Indent, Silver Finish, 210x202mm
ART125-DT1W	Room Terminal, Circular Indent, Gloss White Finish, 210x202mm
5907W	Diffuser, Circular, White, Ø125mm
ART125-SD2W	Diffuser, Wave, White, Ø125mm
ART125-SD1W	Diffuser, White, Ø125mm
ART125-CD1W	Diffuser, Circular, White, Ø125mm

Appliance Accessories

HRX2C-AF	Air Filters (2 pack)
297	Condensate Drainage Kit
RDLAB	Extract and Supply Label Kit
RDPC75	Protective Caps
HRX-SILVER	1 Year Extended Warranty
HRX-GOLD	3 Years Extended Warranty
ANC846A	Duct Mounted Humidity Control with Remote Sensor and Timer

CMX MEV House Packs

IMPROVES INDOOR AIR QUALITY

DOMUS RADIAL

For installation:

- Floor area up to 275m²

Installation of CMX MEV appliance:

- Can be fitted horizontally or vertically:
  - Inside a kitchen cupboard or utility room
  - Direct to a ceiling or in a loft space
  - Fits in between joist spaces

CMX MEV performance:

- Extremely low Specific Fan Power down to 0.24 W/(l/s)
- High air flow performance up to 120 l/s

For further information on the CMX go to page 12.

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Radial House Packs

Code	Description	Internal Terminal
RDK-CMXS	Includes CMX MEV Unit, Standard Plenums and Air Valves	Ø125mm Air Valves x 5
RDK-CMXS-AR	Includes CMX MEV Unit and Flow Control Plenums	Order Architectural Grilles Separately

Standard House Pack Components

Code	Description	Quantity
CMX-S	CMX MEV Appliance	1
RDD75	Semi-Rigid Duct, Ø75mm - 50m	1
RDM-MD220	Manifold (Rectangular)	1
RDPC75	Protective Caps	10
RDOP-125 (standard) RDOP-125FC (inc flow control)	Outlet Plenum, Ø125mm	5
561	Flexible PVC Hose, Ø125mm - 1m	5
125-5	Flexible Hose Clip, Ø125mm	10
RDD150	Insulated Duct, Ø150mm - 1m	4
RDD15090	Insulated 90° Degree Bend, Ø150mm	3
RDC150	Straight Duct Connector, Ø150mm	4
981	Flat Duct Connector, 220x90mm	2
970	Adapter 220x90mm – Ø150mm	1
RDCLIP75	Duct Clips, Ø75mm – Pack of 10	8
DDSEAL	Domus Rigid Duct Sealant, 310ml	1

Other Standard Components Available

Code	Description
RDD75(25)	Semi-Rigid Duct, Ø75mm - 25m
RDM-EP150	Manifold (Round)

System Expansion Pack

Code	Description	Quantity
RDSE1	Semi-Rigid Duct, Ø75mm - 50m	1
	Duct Clips, Ø75mm - Pack of 10	5
	Insulated Duct, Ø150mm - 1m	2
	Insulated 90° Bend, Ø150mm	3
	Straight Duct Connector, Ø150mm	2

Room Expansion Pack - Air Valve

Code	Description	Quantity
RDRE1	Outlet Plenum, Ø125mm	1
	Air Valve, Ø125mm	1
	Flexible PVC Hose, Ø125mm - 1m	1
	Flexible Hose Clip, Ø125mm	2

Semi-Rigid Duct Insulation

Code	Description
RDI-25X5M	Radial Duct Insulation 25x5m

FireBrake Fire-Stopping Product

RDFS75	Radial Duct FireBrake Fire-Stopping Sleeve, 250mm

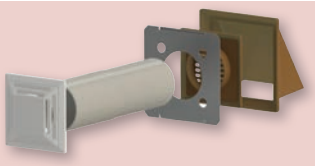
Architectural Grilles

ART125-CF1S	Room Terminal, Curved, Silver Finish, 210x202mm
ART125-CF1BM	Room Terminal, Curved, Brushed Metal Finish, 210x202mm
ART125-CF1W	Room Terminal, Curved, Gloss White Finish, 202x202mm
ART125-DT1S	Room Terminal, Circular Indent, Silver Finish, 210x202mm
ART125-DT1W	Room Terminal, Circular Indent, Gloss White Finish, 210x202mm
5907W	Diffuser, Circular, White, Ø125mm
ART125-SD2W	Diffuser, Wave, White, Ø125mm
ART125-SD1W	Diffuser, White, Ø125mm
ART125-CD1W	Diffuser, Circular, White, Ø125mm

Appliance Accessories

ANC846A	Duct Mounted Humidity Control with Remote Sensor and Timer
RDPC75	Protective Caps
RDLAB	Extract and Supply Label Kit
CMX-ASK1W	Air Supply Kit (White)
CMX-ASK1B	Air Supply Kit (Brown)

Domus CMX air supply kit provides effective background ventilation.



www.polypipe.com/ventilation/Radial-CMX | Unit warranty: 2 yrs standard | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

Support Services

As a leading manufacturer of energy saving ventilation systems, we are 100% committed to providing the highest level of support to our customers.

We pride ourselves on the excellent quality of service our teams provide and operate in a culture of continual improvement.

Our teams will not only help you to easily achieve the ventilation requirements of Part F and L Building Regulations but also the highest possible energy efficiency from your development.

- **Trusted** ▪ **Customer driven**
- **Knowledgeable** ▪ **Committed**
- **Efficient** ▪ **Reliable** ▪ **Experienced**

We're Here to Help

We believe that at Polypipe Ventilation we have some of the best people within the industry working together to support our customers and offer services ranging from:

Technical and design

- Quotations and specifications
- FREE bespoke CAD drawings
- On-site engineering advice
- MVHR commissioning services
- Electronic specification tools as found at

www.polypipe.com/ventilation

Customer care

- Dedicated technical and customer service hotline
- Electronic and printed user and maintenance manuals, installation guides, data sheets and a variety of on-line resources as found at

www.polypipe.com/ventilation

Training

- Installer training accredited by BPEC, written for the industry by Polypipe Ventilation's Technical Manager, Jon Hill. More information on pages 68-69
- Accredited CPD presentations
- Bespoke in-branch product and regulatory training
- On-line modules accessible via:

www.online-training.polypipe.com

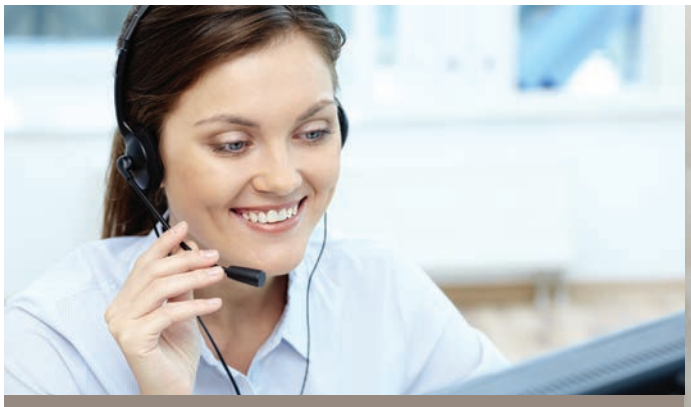
Sales support

Available to support you from the enquiry stage through to project completion, we have a committed sales team who can recommend the most suitable and compliant system.

Through our sales and marketing team we also offer:

- Dedicated merchandising services
- In-branch point of sale tools
- Exhibition support
- Electronic and digital sales material
- Informative and educational product literature and guidance documents as found at

www.polypipe.com/ventilation



For information on any of the above, please call the following numbers:

UK: 08443 715523
International: +44 (0)1302 348878

or email vent.marketing@polypipe.com

www.polypipe.com/ventilation/support-services | **Technical assistance: Call 08443 715523** | **Email: vent.marketing@polypipe.com**

Ventilation Installer Training - Accredited by bpec

Become a BPEC Certified Ventilation Installer

This ventilation installer training course provides installers with the opportunity to learn new skills and increase their scope of work.

To book call **08443 715523** or visit our installer training page at **www.polypipe.com/installertraining** and download a booking form.

Why should you be qualified now?

Domestic ventilation became 'Notifiable Work' on 1st October 2010 as part of the 2010 revision to Approved Document F of the Building Regulations. This means ventilation provision in new homes must be commissioned by a suitably qualified person.

To ensure installers are qualified to complete domestic ventilation installation, commissioning and hand-over, Polypipe Ventilation wrote and launched the first industry-recognised accredited training program. The content of the course conforms to the requirements of Summit Skills new syllabus for ventilation and is recognised by the Government as a suitable academic qualification for relevant Competent Person Schemes.

The course is accredited by independent training company BPEC, an industry recognised training and certification provider which already provides ACS, OFTEC, ECS and other renewable certification.

The new domestic ventilation course provides significant opportunity for allied trades to take on additional skills and increase their scope of work.

Who the course is applicable to

- M&E Contractors
- Plumbing & Heating Contractors/Engineers
- Electricians
- Specialist Wholesaler & Merchant Staff
- Students & Apprentices
- Building Control

Training course objectives

The objectives of this training course are to enable delegates to:

- Install and inspect common types of domestic ventilation systems in the UK
- Commission any of the common types of domestic ventilation systems in the UK safely and efficiently

CM01 Commissioning Meter

CM01 is a hand-held digital rotating vane anemometer used for air velocity and volumetric flow measurements. Simple to use, the CM01 enables the commissioning and inspection of all types of ventilation system performance, by providing accurate and reliable readings every time.

- Measures velocity and temperature
- Calculates volumetric flow rate
- Supplied with large format flow hood and carry case
- UKAS approved calibration certificate
- Light weight, robust and simple to use

Requires 4 x AA batteries (included)

To order a CM01 call 08443 715523

We also offer on-site commissioning services. Call for more information on 08443 715523.

www.polypipe.com/installertraining | **Technical assistance: Call 08443 715523** | **Email: vent.marketing@polypipe.com**

Ventilation Installer Training - Accredited by bpec

What is covered

The syllabus covers the majority of existing types of domestic ventilation systems that an installer in the UK is likely to come across. The course emphasises the most common systems and configurations that most tradespeople are likely to encounter. Less common systems are also covered, but to a lesser extent.

Due to time constraints, the syllabus does not aim to cover material that should already be known to plumbing, heating and electrical engineers. Repetition of existing knowledge is only likely to occur in areas which are regarded as critical, including legal and safety issues.

What prerequisite knowledge is needed

The training/assessment course is targeted at candidates with a number of years' experience in plumbing, heating or electrical engineering and who hold or are studying towards an NVQ Level 3 in plumbing, heating or electrical engineering.

Course duration, content and assessment

The training and assessment course runs over two days and includes both theoretical training and practical exercises.

At the end of the course there is a multiple choice assessment that each individual candidate needs to pass. The assessment is closed book.

Day 1

- Background and Building Regulations
- Course aims and objectives
- Module 1: Domestic ventilation in context
- Module 2: Air flow requirements and calculations
- Module 3: Health and Safety

Day 2

- Module 4: Installation, inspection, testing, commissioning and provision of information
- Commissioning workshop and assessment
- Examination

Training centres

The ventilation installer training course is available at a choice of two locations:

- Polypipe's Centre of Excellence, Aylesford, Kent
- Polypipe Training Facilities, Neale Road, Doncaster

Polypipe's Centre of Excellence, Aylesford, Kent

Course availability

Courses are run on two consecutive days at both training centres regularly throughout the year.

Accommodation

Accommodation is available locally at preferential rates for course attendees.

Course includes

- BPEC official certification
- BPEC manual
- All necessary training materials
- Cold buffet lunch and refreshments both days
- Qualification and van stickers upon successful completion

Payment

To book, please call our Customer Service team on **08443 715523** or visit **www.polypipe.com/installertraining** and download a booking form.

www.polypipe.com/installertraining | Technical assistance: Call 08443 715523 | Email: vent.marketing@polypipe.com

We understand that experience counts for everything

At Polypipe Ventilation we have proudly been specified and seen our systems successfully installed onto thousands of projects ranging from the unique, high profile and large scale schemes all the way through to small, chic and complex developments.

Cob House
Grand Designs

The Windmill
Restoration Man

Paynes & Borthwick
West Greenwich

Bugler Developments
St. Pancras Way

Eco-Lodge
Mill Meadow

Admiral's Quay
Vuepoint Consulting

Fitzroy Place
Fitzrovia

Concept Holiday Home
Echovia Homes

Ideal Care Homes
LNT Construction

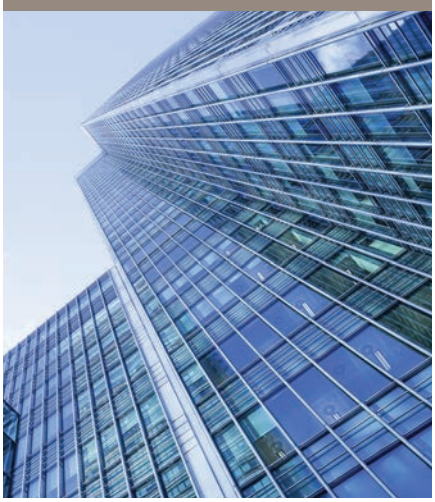
Bluewaters Luxury Hotel
Antigua

We can offer you tailored solutions for a variety of dwelling types

New Build

Refurbishment

Light Commercial



For a quotation or design, please call: **UK: 08443 715523** **International: +44 (0)1302 348878**

For more information please visit **www.polypipe.com/ventilation/case-studies**

Handy Technical Hints and Tips...

...to help make installing and specifying our ventilation systems much easier!

Product Specification:

The lower a mechanical ventilation unit's Specific Fan Power, the lower the energy used in operation. **Pages 6-34.**

To reduce duct pressure and improve overall energy usage, we recommend incorporating high efficiency duct bends to channel the air more effectively. **Pages 39 & 60.**

Where duct is installed through fire compartment walls, remember to specify FireBrake duct connectors. Patented FireBrake offers up to 2 hours of fire protection. **Pages 44 & 61.**

Where space is available choose circular rigid duct over rectangular to achieve greater efficiency and lower air resistance. **Pages 38-53.**

Easy to order, Domus Radial house packs enable straightforward specification and selection. **Page 62-65.**

Avoid reducing duct sizes to save cost – this is a false economy as it is likely to create excess noise and detrimentally impact the ventilation unit's performance.

To achieve a lower Dwelling Emission Rate (DER) and consequently, the best possible SAP rating, we recommend installing a Mechanical Ventilation with Heat Recovery (MVHR). This not only provides effective ventilation, but also the bonus of recovering waste energy from the extract air when available. **Pages 6-9.**

Domus Radial semi-rigid duct is the ideal solution for where space is restricted and will reduce room-to-room cross-talk when compared to traditional ducting.

If installing a Mechanical Extract Ventilation (MEV) system, consider specifying a unit that offers a discreet and low profile to avoid complicated duct runs. **Pages 11-13.**

Specify a high quality duct system to minimise air leakage. If the duct is out of shape, or the wall thickness appears uneven, leakage paths can occur when installed.

Domus rigid duct Silencers significantly reduce external traffic noise, transmitted appliance noise and room-to-room cross-talk. **Pages 43 & 61.**

To avoid duct runs crossing over and improve system efficiency, specify mechanical ventilation units which are ambidextrous rather than bespoke handed variants. **Page 6-9.**

Consider a ceiling mounted MVHR unit where space is restricted. **Page 8.**

Energy efficient intermittent extract fans or continuous decentralised Mechanical Extract Ventilation (dMEV) units are an effective way of extracting waste air for a single wet room. **Pages 14-15.**

Installation:

To enable supply and extract ventilation within a room, low velocity air terminals should be positioned on the opposite side of the room to internal door openings. These should be positioned no closer than 200mm to walls when located on a ceiling and no more than 400mm from the ceiling when located on a wall. Whilst extraction air terminals positioned in kitchens, should be at least 600mm away from hobs. **Pages 47-48.**

Always ensure that provision has been made for sufficient replacement air in properties with mechanical extract ventilation. **Page 13.**

Ensure that you insulate duct in line with current Building Regulations. 2010 Building Regulations recommends the equivalent of 25mm at 0.04 W/(m.K) thermal conductivity which equates to a minimum thermal resistance of 0.625 K/W per m^2. **Pages 42-43 & 58-59.**

As stipulated in the Domestic Ventilation Compliance Guide, ducts within a building's heated envelope carrying cold air between the external terminals and the MVHR unit should be insulated and wrapped additionally with a vapour barrier – to prevent condensation occurring within the insulation material. **Pages 42-43 & 58-59.**

Seal duct joints with DDSEAL to avoid condensate leakage and maintain an optimum air flow. **Page 51.**

Flexible duct increases air flow resistance, therefore minimise the length used; pull it taut and keep duct runs as straight as possible.

Installation of condensation traps is recommended by both Building Regulations and NHBC Specification. **Page 42.**

Try to use 45º bends in duct systems instead of 90º bends as they are up to 3 times more efficient. Each 90º bend roughly equates to 4 metres of rectangular duct or 10 metres of round. **Pages 39-40.**

For further technical tips and advice call:
UK: 08443 715523 International: +44 (0)1302 348878

Email vent.marketing@polypipe.com

ACH – Air changes per hour. The number of times the volume of air in a room needs to be changed in one hour depending on the activity in that space. Normally given as a range e.g. 15-20 ach; based on the level of usage.

Air Changes – CIBSE Guide B, 2005 recommends extract rates are calculated by multiplying the volume of the room (m^3) by the below air changes per hour (ACH). This rate should always be greater than Building Regulations minimum requirements.

Bathrooms 6 - 8	Launderettes 10 -15
Bedrooms 2 - 4	Laundries 10 -15
Billiard Rooms 6 - 8	Lecture Theatres 6 -10
Cafés & 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 & X-ray Darkrooms 6 - 8
Conference Rooms 6 -10	Public House Bars 6 - 8
Entrance Halls, Corridors 3 -5	Restaurants 10 - 15
Factories & Workshops 6 -10	Shops & Supermarkets 8 - 10
Garages 6 -10	Shower / Bathrooms 15 - 20
Gymnasiums 6	Stores & Warehouses 3 - 6
Hairdressing Salons 10 - 15	Toilets (Public) 5+
Hotel Bars 6 -10	Toilets (Domestic) 6 - 10
Kitchens (Domestic) 10 - 15	Utility Rooms 15 - 20
Laboratories 4 - 15	

Axial Fans are suitable for low pressure applications, where duct runs are short.

Branch – A section of a duct system serving only one or two inlets or outlets.

Centrifugal Fans, also known as radial fans, deliver the pressure needed to propel air through long duct runs.

cMEV – Centralised Mechanical Extract Ventilation. See page 11.

CSH – The Code for Sustainable Homes is the national standard for the sustainable design and construction of new homes. The Code aims to reduce our carbon emissions and create homes that are more sustainable. It applies in England, Wales and Northern Ireland.

dB(A)@3m – Decibel, unit of sound measurement based on pressure at 3m away from the source. P17 of the Approved Document F of Building Regulations recommends sound levels for whole house ventilation systems do not exceed 30 dB(A) levels within bedrooms and living rooms.

dMEV – Decentralised Mechanical Extract Ventilation. See page 14.

Duct System Resistance – The total resistance of the duct system can be calculated by simply adding up the resistance of each component at a specific air flow rate. Each product within the Domus range has a measured resistance value for the main UK Building Regulation extract flow rates.

Dwelling Emission Rate (DER) – The estimated annual CO^2 emissions per square meter due to space heating, water heating, ventilation and internal lighting, minus any CO^2 emissions saved by the generation of electricity.

Electrical Safety Zones

Section 701 of British Standard 7671:2008 defines four bathrooms and shower room zones:

Zone	Description Voltage	Permitted	Min IP
Zone 0:	The interior of a bath or shower basin	None	None
Zone 1:	Area above Zone 0 up to a height of 2.25m above the floor	Separated extra low voltage (SELV) with transformer located outside Zone 2	None
Zone 2:	Area above Zone 1 up to a height of 2.25m, as well as the area that is horizontally within 0.6m from Zone 1	Any	X4 protection against splashing water from all directions
Outside the Zones:	Includes any space under the bath or shower that can only be accessed with a tool	Any	Any
Fans with humidity controls and PIRs should not be located within splash Zone 1			

EPP – Expanded Polypropylene.

EPS – Expanded Polystyrene (Silver).

EST – The Energy Saving Trust (EST) provides independent sustainability recommendations to businesses and individuals. They are accepted by the Government as the authority on many environmental issues.

Extract Rates are given in Table 5.1a and 5.1b of Approved Document F of Building Regulations 2010.

Habitable Rooms – A term used by the Building Regulations to collectively indicate that fresh air is being supplied to bedrooms, living rooms, dining rooms or similar.

Humidistat – A switched control that triggers the appliance once a set level of humidity is reached.

IEE Wiring Regulations – Publication of the Institute of Electrical Engineers. Also known as BS 7671.

Intermittent Extract Fans – Local extract fans are fitted in a dwelling's 'wet rooms' and provide rapid extraction of moisture and other pollutants. They operate intermittently under either occupant or automatic control. See page 16.

IP Rating – Classification of degrees of protection for an electrical product developed by CENELEC. First digit describes degree of protection from solids, the second from liquids. Example: IP44.

l/s – Litres per second - measurement of volume flow.
l/s = m3/h ÷ 3.6

m^3/h - Cubic metres per hour - measurement of volume flow.
m^3/h = l/s x 3.6

MEV – A Continuous Mechanical Extract Ventilation continually extracts air from 'wet rooms'. It usually consists of a central ventilation unit (cMEV), positioned in a cupboard or loft space ducted throughout the dwelling to extract air from the wet rooms. Other configurations do exist, including the use of continuously running individual rooms (dMEV).

Mixed Flow Fans combine elements of axial and centrifugal and are therefore appropriate for medium length duct runs.

MVHR – Continuous, balanced Mechanical Ventilation with Heat Recovery systems extract stale air from wet rooms and deliver fresh air to habitable rooms. Heat loss associated with the air changes is reduced by a heat recovery mechanism. See page 6.

Pa – Pascal, unit of pressure for measuring system resistance or static pressure.

PIR – Passive infrared sensor, detects movement and is used to trigger appliances.

RH – Relative humidity. The ratio of the amount of water in the air at a given temperature.

- Outside humidity levels are usually between 60-70%RH
- The target for indoor levels is normally between 40-60%RH

SAP – The Standard Assessment Procedure (SAP) is the Department of Energy and Climate Change's (DECC) methodology for assessing and comparing the energy and environmental performance of dwellings. Its purpose is to provide accurate and reliable assessments of dwelling energy performances that are needed to underpin energy and environmental policy initiatives.

SELV – Separated Extra Low Voltage, used to describe fans operating at less than 25V.

Specific Fan Power (SFP) – The measurement of power used to drive a fan. Measured in Watts per litre per second (W/l/s).

SRHRV – Single Room Heat Recovery. See page 10.

Target Emission Rate (TER) – To comply with Part L1A, the dwelling CO^2 emission rate (DER) must be no greater than a target emission rate based on a notional dwelling of the same size and shape.

Temperature – The common metric measurement of which is Centigrade (or Celsius).

Thermal Overload Protection – A safety component designed to interrupt the current to a motor before the windings exceed their design operating temperature.

Trunk – The section of a duct system carrying the maximum flow of air to or from the appliance.

Watts – Measure of electrical power.

Wet Rooms – Refers to rooms with potable water; for example, kitchens, utility rooms (including utility cupboards and drying rooms), WC's or bath/shower rooms from which stale, polluted air is extracted. Hallways and landings are used as conduits for the exchange or transfer of air.

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