



# Polypipe Ventilation

System and Product Selector

Mechanical Ventilation

Air Distribution

Support Services

**Silavent** **DOMUS**

 **Polypipe**

## COMPANY OVERVIEW



A member of the UK based Polypipe Group, Polypipe Ventilation designs and manufactures a full range of high quality ventilation systems for the domestic and light commercial building sectors.

We specialise in supporting specifiers, contractors, developers, installers and operators by providing energy-saving ventilation solutions which meet Building Regulations and save time and money on site. Working with distribution partners, we deliver a high level of customer service which includes support materials, training services, on-line planning tools, telephone and even site-based technical support.

### Our market-leading brands include:

**Silavent**

With over 50 years experience in fan manufacture, the Silavent brand has a well deserved reputation for quality and reliability.

The range includes high performing and energy efficient mechanical extraction products, in a wide range of sizes and configurations to suit every application.

**DOMUS**

The Domus brand symbolises efficient air distribution, with a complete range of ducting, inlets and outlets designed to help customers achieve the highest possible energy efficiency from ventilation appliances. Through Polypipe's investment in premium extrusion and moulding tooling, the Domus range is manufactured to exacting tolerances, which virtually eliminates air leakage and minimises

the pressure drop associated with ducting systems. With the widest range available, installers are able to choose the most efficient duct configuration for any installation. The range is supplemented by sound attenuation and thermal insulation options to help exceed building regulations.



Unique, best in class fire stopping products designed and independently accredited to halt the transfer of fire through compartment walls via duct or conduit systems.



## Support Services

To help our customers meet the stringent requirements of Part F and Part L of the Building Regulations, as well as achieving the higher levels of the Code for Sustainable Homes through improved SAP ratings, Polypipe Ventilation offers a range of support services:

### VSP – Ventilation Solution Provider

Our VSPweb on-line planning system takes the headache out of ventilation specification and can be found at [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation). The VSP system is supported by a network of trained and approved VSP distribution partners, who carry products in stock to support all applications.

## Accredited Domestic Ventilation Training

Regular training courses provided at two UK locations to enable installers to become BPEC accredited Certified Ventilation Installers.

### Technical Support

We are able to provide various levels of technical support to suit every customer application.\*

- Telephone customer hotline: 08443 715523
- Take-offs and ventilation scheduling from customer supplied drawings
- Full ventilation system CAD drawings
- On site technical support

\*Charges may apply.

## Other group products include:

- Above and below ground drainage solutions
- Plastic plumbing systems
- Underfloor heating
- Rainwater harvesting
- Potable water systems
- Geothermal piping systems

Please visit [www.polypipe.com](http://www.polypipe.com) for information on all Polypipe systems.





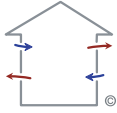
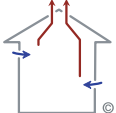
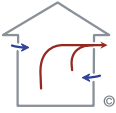

## VENTILATING BUILDINGS IN LINE WITH CURRENT BUILDING REGULATIONS

Greater use of air-tightness and insulation in building construction combined with the moisture created in kitchens and bathrooms has meant that efficient and effective ventilation is now a mandatory requirement of Building Regulations.

Additionally some ventilation technologies offer benefits to house builders and those looking to increase the overall efficiency of the building by qualifying for a benefit to the Dwelling Emission Rate (DER) within SAP.

This page will help you select both the optimum ventilation system and components required to install it.

- 1 **Select ventilation strategy**
- 2 **Select appliance**
- 3 **Select air distribution components**

 <p>Intermittent Extract Ventilation</p>	 <p>Passive Stack Ventilation</p>	 <p>Continuous Mechanical Extract Ventilation</p>	 <p>Mechanical Ventilation with Heat Recovery</p>
<p><b>Advantages</b></p> <ul style="list-style-type: none"> <li>Easy to install</li> <li>Provides rapid local extraction</li> <li>Simple in operation</li> </ul>	<p><b>Advantages</b></p> <ul style="list-style-type: none"> <li>No direct running costs</li> <li>No electrical connection</li> <li>Silent continuous ventilation</li> <li>Discreet installation</li> </ul>	<p><b>Advantages</b></p> <ul style="list-style-type: none"> <li>Simple operation</li> <li>Constant ventilation</li> <li>Discreet installation</li> </ul>	<p><b>Advantages</b></p> <ul style="list-style-type: none"> <li>Oxygenated, preheated fresh air</li> <li>Reduced demand on heating system</li> <li>Filtered incoming air from outside</li> <li>Discreet installation</li> </ul>
<p><b>Disadvantages</b></p> <ul style="list-style-type: none"> <li>Occupants may not use</li> </ul>	<p><b>Disadvantages</b></p> <ul style="list-style-type: none"> <li>Multiple stacks required</li> <li>Precise installation required</li> <li>Weather dependent air-flow</li> </ul>	<p><b>Disadvantages</b></p> <ul style="list-style-type: none"> <li>Requires commissioning</li> </ul>	<p><b>Disadvantages</b></p> <ul style="list-style-type: none"> <li>Requires commissioning</li> <li>Requires high level of dwelling air-tightness</li> </ul>

This document is designed to be read in conjunction with Approved Document of the Building Regulations and the Domestic Ventilation compliance guide.

For a printed copy, download both documents from our website at:

[www.polypipe.com/ventilation](http://www.polypipe.com/ventilation)

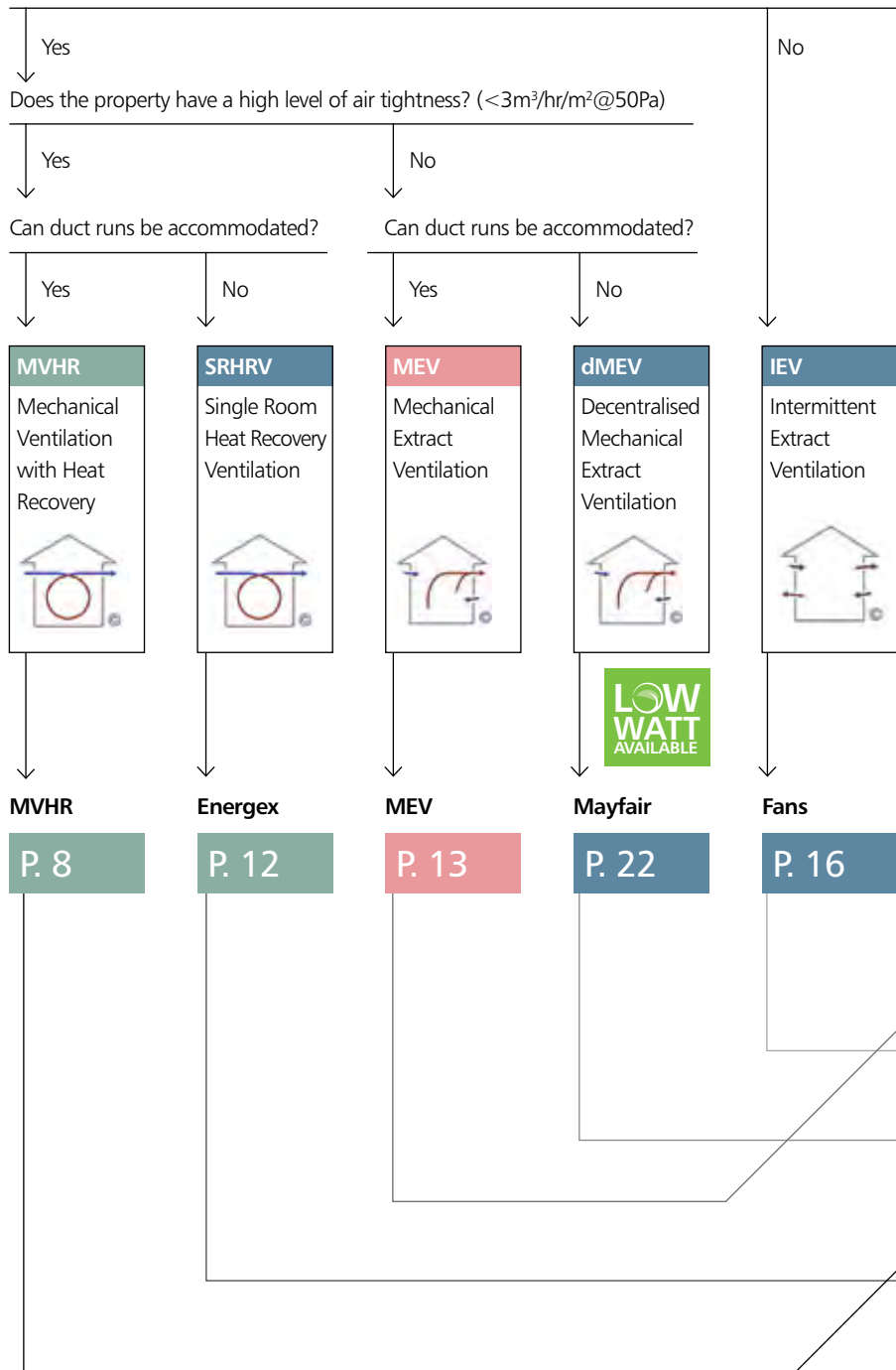




## VENTILATION STRATEGY SELECTION

1

Is dwelling efficiency rate (DER) or energy efficiency important?



New buildings have to conform to target emission rates (TER) laid out in Approved Document L of Building Regulations

Employing energy saving ventilation systems reduces the amount of other efficiency measures required to achieve compliance with Building Regulations.

Mechanical ventilation with heat recovery (MVHR) is most effective when installed in an air-tight dwelling as the effect is not compromised by external leakage.

Central systems (MVHR, MEV) offer higher levels of efficiency, however installation is more complex due to the air distribution systems required.

Background inlet ventilation is required when choosing MEV, dMEV or IEV strategies. Return Air Supply Kits for this purpose are listed on page 76.



## CONTENTS

	COMPANY OVERVIEW	PAGE
	Company overview	2-3
	Ventilating buildings in line with current Building Regulations	4-5
<b>SECTION 1</b>	<b>MECHANICAL VENTILATION with HEAT RECOVERY (MVHR)</b>	
	Selecting the correct Heat Recovery system	9
	MVHR Ventilation appliance selection	9
	Centralised MVHR appliances	10-12
	Energex	12
<b>SECTION 2</b>	<b>MECHANICAL EXTRACT VENTILATION (MEV)</b>	
	MEV Selector	13
	Centralised MEV appliances	14-15
<b>SECTION 3</b>	<b>INTERMITTENT EXTRACT FANS</b>	
	Fan selection	17
	Bathroom fans	18-28
	Kitchen fans	29-33
	Commercial fans	34
<b>SECTION 4</b>	<b>FRESHFLO</b>	
	Acoustic attenuating ventilation products	35-36
<b>SECTION 5</b>	<b>AUXILIARY FAN CONTROLS</b>	
	Fan controls	37
<b>SECTION 6</b>	<b>AIR DISTRIBUTION</b>	
	110 x 54mm - System 100	40-44
	204 x 60mm - Supertube	44-47
	220 x 90mm - Megaduct	48-50
	234 x 29mm - PV Low Profile 225	51-53
	308 x 29mm - PV Low Profile 300	54-56
	100mm - EasiPipe 100	57-62
	125mm - EasiPipe 125	63-67
	150mm - EasiPipe 150	68-72
	Ancillary Components	75
	Kits	76-77
<b>SECTION 7</b>	<b>SUPPORT SERVICES</b>	
	Support services overview	79
	VSPweb on-line planner	81
	Ventilation installer training	82-83
<b>SECTION 8</b>	<b>GLOSSARY</b>	
	Glossary	84
<b>SECTION 9</b>	<b>INDEX</b>	
	Index	85-87



# MECHANICAL VENTILATION with HEAT RECOVERY (MVHR)



To ensure the products are appropriate for the intended environment and application, please refer to the application icons at the top of each page.

## Application code:



Kitchen



Utility room



Bathroom



Commercial



Toilet

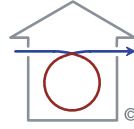


Whole house



## SELECTING THE CORRECT HEAT RECOVERY SYSTEM

Polypipe MVHR appliances warm fresh air drawn into the building. Using the heat from stale air extracted from bathrooms and kitchens, MVHR reduces the need for heating.



By very efficiently driving fresh, filtered, oxygenated air around the building, Polypipe MVHR systems significantly improve the living environment.

The Code for Sustainable Homes (CSH) ensures Building Regulations demand the very best energy efficiency from new homes.

Code level 1	2006	Standard Building Regulations
Code level 6	2016	Zero carbon homes

Code level 3 is currently mandatory for private new homes and requires a 25% energy saving over homes built to 2006 regulations. Many developments already require level 4, a 44% energy saving. Building fabric is being improved to satisfy current regulations. Dwellings are therefore becoming air-tight and in need of active ventilation.

### Polypipe HR range of mechanical ventilation with heat recovery:

- Reduces fuel consumption
- Helps provide healthy living environments and improved cognitive performance
- Secures additional points towards the Dwelling Emission Rate (DER) required of any new building by Building Regulations.

Summer bypass option is available on all Polypipe HR appliances. It ensures heat is not retained within the home when not required. Of particular benefit to allergy sufferers and those living in urban environments, summer bypass allows cooler outside air in while isolating noise and pollutants.

Modern buildings can lose **25%** of heat due to uncontrolled ventilation and air leakage.

An average bathroom full of moist air contains over 600 watts of heat energy and is exhausted twice every hour. That means **1.2kWh heat is wasted, enough to power a fan heater.**

Polypipe HR appliances can recover more than 92% of this heat directly saving cost and carbon emissions.

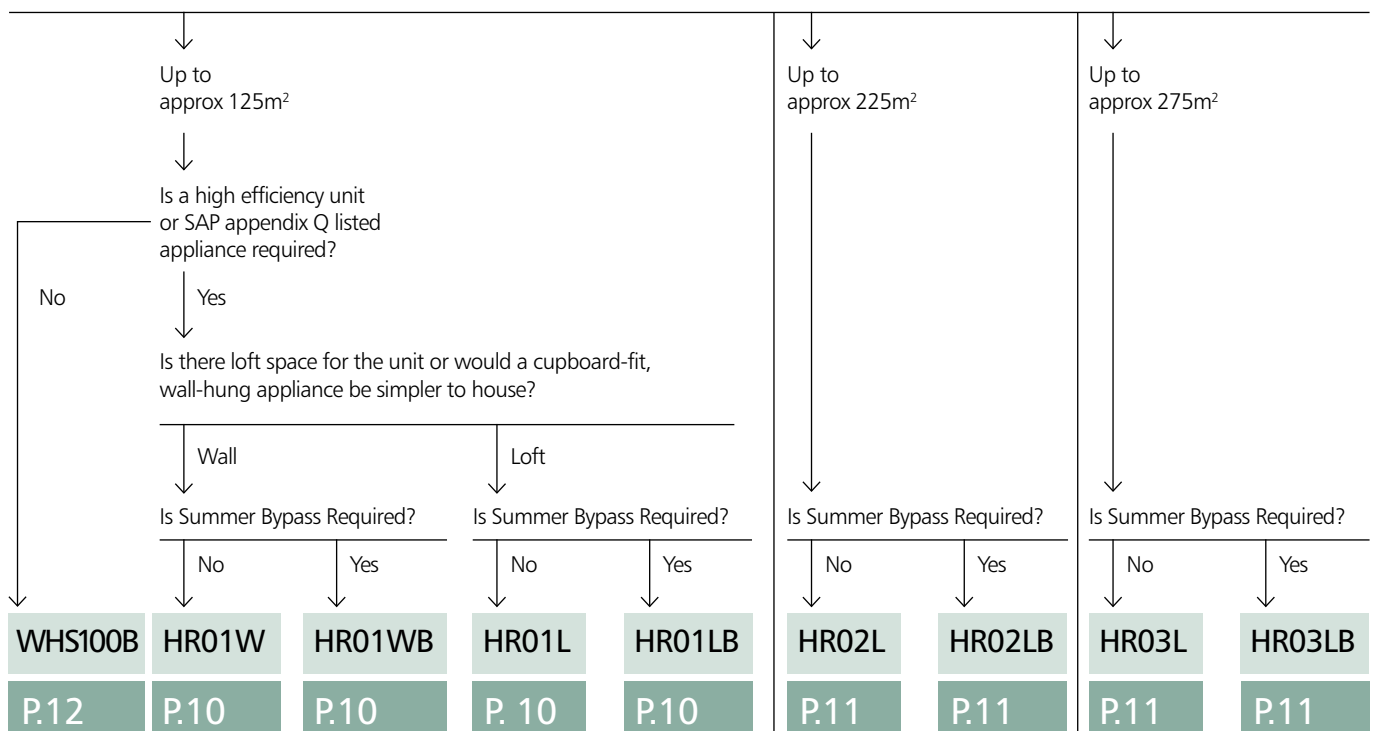
Polypipe HR01, HR02 and HR03 are all SAP appendix Q listed and Energy Saving Trust Compliant.



## MVHR VENTILATION APPLIANCE SELECTION

### STEP 2

What is the floor area of the property?



# MECHANICAL VENTILATION with HEAT RECOVERY (MVHR)



## HR01W

### CENTRALISED MVHR



- SAP appendix Q listed
- EST best practice compliant
- Summer bypass option
- Kitchen cupboard-fit



## HR01L

### CENTRALISED MVHR



- SAP appendix Q listed
- EST best practice compliant
- Summer bypass option
- Fits through standard loft-hatch

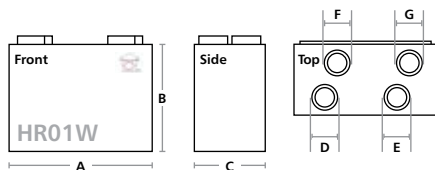


#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	198
Max Extract Volume (l/s)	55
Max Pressure (Pa)	260
Supply Frequency (Hz)	50
Max Power (W)	71
Max Sound dB(A)@3m	Available upon request
Insulation Class	1
Weight (kg)	13 / 15 with bypass
IP Rating	–
Max Temp (°C)	40
Warranty	3 yrs on-site

SAP Appendix Q performance	SFP	Efficiency
Kitchen & 1 wet room (15 l/s)	0.59 W/l/s	92%
Kitchen & 2 wet rooms (21 l/s)	0.68 W/l/s	91%
Kitchen & 3 wet rooms (27 l/s)	0.83 W/l/s	90%

#### Dimensions



#### Measured in mm

A: 598 B: 435 C: 285 D: 125/100 E: 125/100 F: 125/100 G: 125/100

#### Models available

HR01W	HR01 Wall
HR01WB	HR01 Wall with bypass

#### Code no.

#### Accessories

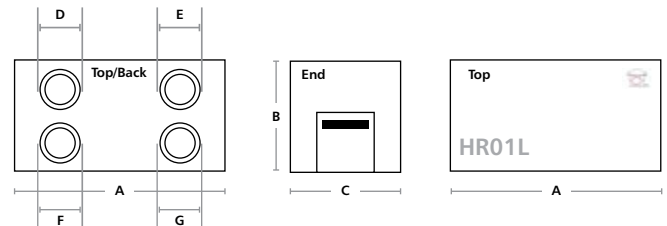
HR01H	Humidity sensor
HR01P	PIR sensor
HR01M	System monitor
HR01FG2	G2 Wall filter

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	230
Max Extract Volume (l/s)	64
Max Pressure (Pa)	270
Supply Frequency (Hz)	50
Max Power (W)	73
Max Sound dB(A)@3m	Available upon request
Insulation Class	1
Weight (kg)	21 / 23 with bypass
IP Rating	–
Max Temp (°C)	40
Warranty	3 yrs on-site

SAP Appendix Q performance	SFP	Efficiency
Kitchen & 1 wet room (15 l/s)	0.69 W/l/s	92%
Kitchen & 2 wet rooms (21 l/s)	0.76 W/l/s	92%
Kitchen & 3 wet rooms (27 l/s)	0.85 W/l/s	90%

#### Dimensions



#### Measured in mm

A: 840 B: 450 C: 430 D: 150/125 E: 150/125 F: 150/125 G: 150/125

#### Models available

HR01L	HR01 Loft
HR01LB	HR01 Loft with bypass

#### Code no.

#### Accessories

HR01H	Humidity sensor
HR01P	PIR sensor
HR01M	System monitor
HR01FG4	G4 Loft filter



Would you like help with selecting the most energy efficient appliance and duct system appropriate to your property? Please see page 80.

**HR02L**  
**CENTRALISED MVHR**



- SAP appendix Q listed
- EST best practice compliant
- Summer bypass option
- Supports kitchen and up to 6 wet rooms

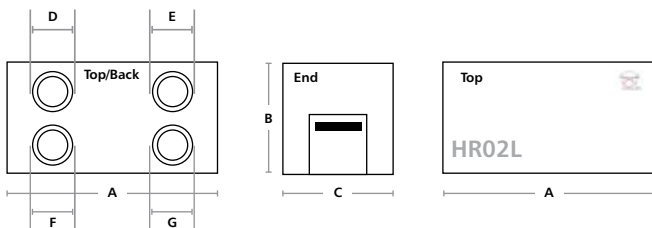


**Technical data**

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	414
Max Extract Volume (l/s)	115
Max Pressure (Pa)	460
Supply Frequency (Hz)	50
Max Power (W)	160
Max Sound dB(A)@3m	Available upon request
Insulation Class	1
Weight (kg)	21 / 23 with bypass
IP Rating	–
Max Temp (°C)	40
Warranty	3 yrs on-site

SAP Appendix Q performance	SFP	Efficiency
Kitchen & 1 wet room (15 l/s)	0.61 W/l/s	91%
Kitchen & 2 wet rooms (21 l/s)	0.59 W/l/s	91%
Kitchen & 3 wet rooms (27 l/s)	0.62 W/l/s	91%
Kitchen & 4 wet rooms (33 l/s)	0.71 W/l/s	91%
Kitchen & 5 wet rooms (39 l/s)	0.78 W/l/s	91%
Kitchen & 6 wet rooms (45 l/s)	0.92 W/l/s	90%

**Dimensions**



Measured in mm  
A: 840 B: 450 C: 430 D: 150/125 E: 150/125 F: 150/125 G: 150/125

**Models available**

HR02L	HR02 Loft
HR02LB	HR02 Loft with bypass

**Code no. Accessories**

HR01H	Humidity sensor
HR01P	PIR sensor
HR01M	System monitor
HR01FG4	G4 Loft filter

**HR03L**  
**CENTRALISED MVHR**



- SAP appendix Q listed
- EST best practice compliant
- Summer bypass option
- Very high pressure air flow for long duct runs

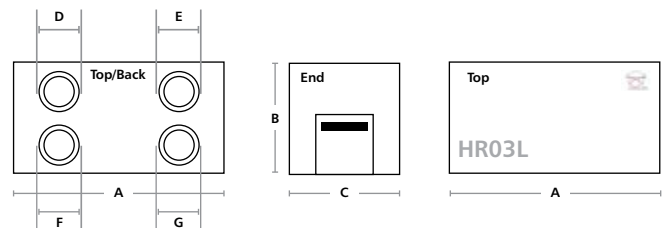


**Technical data**

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	486
Max Extract Volume (l/s)	135
Max Pressure (Pa)	640
Supply Frequency (Hz)	50
Max Power (W)	277
Max Sound dB(A)@3m	Available upon request
Insulation Class	1
Weight (kg)	21 / 23 with bypass
IP Rating	–
Max Temp (°C)	40
Warranty	3 yrs on-site

SAP Appendix Q performance	SFP	Efficiency
Kitchen & 1 wet room (15 l/s)	0.81 W/l/s	91%
Kitchen & 2 wet rooms (21 l/s)	0.77 W/l/s	91%
Kitchen & 3 wet rooms (27 l/s)	0.78 W/l/s	91%
Kitchen & 4 wet rooms (33 l/s)	0.86 W/l/s	91%
Kitchen & 5 wet rooms (39 l/s)	0.96 W/l/s	91%
Kitchen & 6 wet rooms (45 l/s)	1.09 W/l/s	90%
Kitchen & 7 wet rooms (51 l/s)	1.24 W/l/s	90%

**Dimensions**



Measured in mm  
A: 840 B: 450 C: 430 D: 150/125 E: 150/125 F: 150/125 G: 150/125

**Models available**

HR03L	HR03 Loft
HR03LB	HR03 Loft with bypass

**Code no. Accessories**

HR01H	Humidity sensor
HR01P	PIR sensor
HR01M	System monitor
HR01FG4	G4 Loft filter



# MECHANICAL VENTILATION with HEAT RECOVERY (MVHR)



# Silavent

## WHS100B

### CENTRALISED MVHR

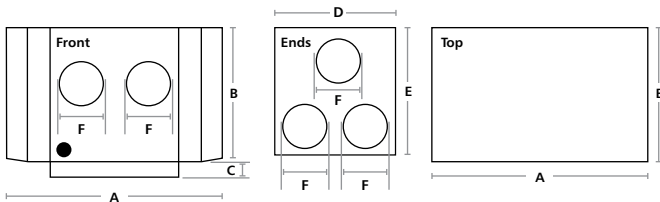


- Quiet operation
- 3 year warranty

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	226
Max Extract Volume (l/s)	63
Max Pressure (Pa)	300
Supply Frequency (Hz)	50
Max Power (W)	110
Max Sound dB(A)@3m	Available upon request
Heat Exchange Efficiency	55%
Insulation Class	2
Weight (kg)	16
IP Rating	X3
Max Temp (°C)	40
Warranty	3 yrs on-site

#### Dimensions



#### Measured in mm

A: 540 B: 377 C: 40 D: 337 E: 294 F: 100

#### Models available

WHS100B

#### Code no. Accessories

WHS100AIM Fresh Air Inlet Manifold



Regular installers of Polypipe Ventilation products are invited to join our Registered Installer Scheme and claim vouchers to spend at high street stores. Email [vent.info@polypipe.com](mailto:vent.info@polypipe.com) or call 08443 715523 for details.

## SRHRV

### ENERGEX



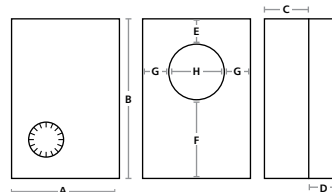
- Decentralised MVHR
- Balanced heat recovery ventilation
- Reduces draughts
- Simple core-drill installation
- Ventilates any room



#### Technical data

Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /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	1.8
IP Rating	X4	X4
Max Temp (°C)	40	40
Wall-fit hole diameter (mm)	110	110
Window-fit hole diameter (mm)	-	-
Suitable glass thickness (mm)	-	-
Warranty	3 yrs on-site	3 yrs on-site

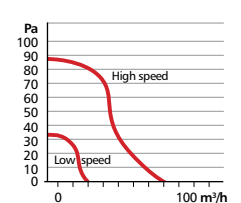
#### Dimensions



#### Measured in mm

A: 205 B: 305 C: 75 D: 45 E: 40 F: 163 G: 52.5 H: 100

#### Performance



#### Models available

ENX1002SC	Twin Speed - Standard
ENX1002SP	Twin Speed - Pull Cord
ENX1002SHTP	Twin Speed - Humidistat & Pull Cord
ENX1002SCP	Twin Speed - Continuous Trickle - Pull Cord Boost
ENX1002SHB	Twin Speed - Continuous Trickle - Humidistat Boost

#### Code no. Accessories

ENX100WFK*	333mm Wall Fixing Kit (Dual flow)
ENX100WFK1*	1000mm Wall Fixing Kit (Dual flow)
ENX100CFK*	Ceiling Fixing Kit (Dual flow)
ENX100VWK*	Window Fixing Kit (Dual flow)

\*One of these must be used with Energex appliance.

# MECHANICAL EXTRACT VENTILATION (MEV)

To ensure the products are appropriate for the intended environment and application, please refer to the application icons at the top of each page.

## Application code:



Kitchen



Utility room



Bathroom



Commercial

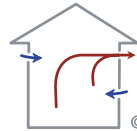


Toilet



Whole house

Silavent MEV systems provide discreet constant low level ventilation through a central appliance. All units are designed to work seamlessly with Domus duct systems.



When installed in line with best practice guidance given in section 3.1 of the Domestic Ventilation Compliance Guide 2010, Silavent MEV systems provide a very efficient and consumer-friendly ventilation strategy.

The domestic ventilation compliance guide is available to download from [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation). For a printed copy, please call 08443 715523 or email [vent.info@polypipe.com](mailto:vent.info@polypipe.com)

All models are available with trickle and boost functions as well as more sophisticated control options to suit the application.

## MEV SELECTOR

### STEP 2

Do you have space to get multiple ventilation ducts to the appliance location?

Yes			No
Floor area of the property			
Up to 125m <sup>2</sup>	Up to 275m <sup>2</sup>	Up to 400m <sup>2</sup>	
TripleVent	QuadVent 600	QuadVent 750	Powercube
P.14	P.15	P.15	P.14

## MECHANICAL EXTRACT VENTILATION (MEV)



# Silavent

### TRIPLEVENT

#### CENTRALISED MEV

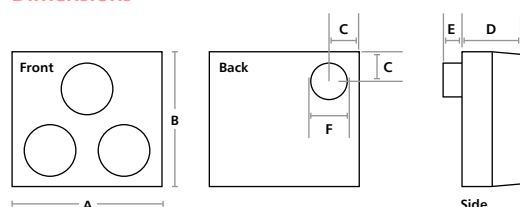


- Integral relay for up to 3 room switching
- 2 speed

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	240
Max Extract Volume (l/s)	67
Max Pressure (Pa)	300
Supply Frequency (Hz)	50
Max Power (W)	200
Max Sound dB(A)@3m	19
Insulation Class	2
Weight (kg)	3.1
IP Rating	x3
Max Temp (°C)	40
Warranty	3 yrs

#### Dimensions



Measured in mm

A: 337 B: 294 C: 74 D: 121 E: 36 F: 100

#### Models available

TVT240SST	Single speed, timer
TVT240	Standard - high/low speed
TVT240TST	Continuous trickle - boost & timer

#### Code no. Accessories

ANC808A	Humidistat with overrun timer
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### POWERCUBE

#### CENTRALISED MEV

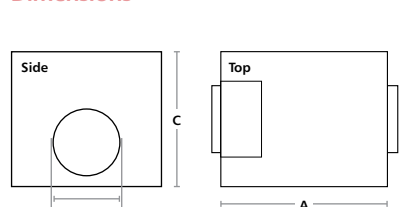


- Up to 4 room switching
- Acoustic lining
- 4 speed options
- High extract performance

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	720
Max Extract Volume (l/s)	200
Max Pressure (pa)	450
Supply Frequency (Hz)	50
Max Power (W)	200
Max Sound dB(A)@3m	19
Insulation Class	1
Weight (kg)	10.4
IP Rating	-
Max Temp (°C)	40
Warranty	3 yrs

#### Dimensions



Measured in mm

A: 345 B: 280 C: 335 D: 150

#### Models available

PWC750TST	Continuous trickle - boost & timer
PWC750HTST	Continuous trickle - multi-switch boost, humidistat & timer
PWC750REG	Continuous trickle - fully adjustable speed, humidistat & timer

#### Code no. Accessories

ELE150R	Switched live extension board for additional switches
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Try to avoid too many bends in a duct system as each 90 degree bend approximates 4 metres of rectangular duct or 10 metres of round.



## QUADVENT 600

### CENTRALISED MEV

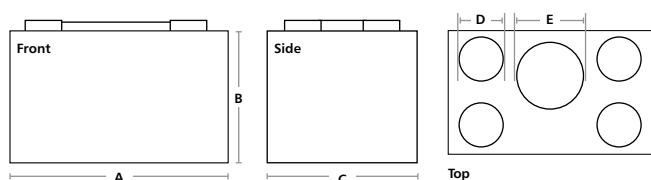


- Up to 4 room switching
- Acoustic lining
- 4 speed options
- Can be wall mounted

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	500
Max Extract Volume (l/s)	139
Max Pressure (Pa)	400
Supply Frequency (Hz)	50
Max Power (W)	135
Max Sound dB(A)@3m	Available upon request
Insulation Class	1
Weight (kg)	10.4
IP Rating	-
Max Temp (°C)	40
Warranty	3 yrs

#### Dimensions



Measured in mm

A: 460 B: 280 C: 335 D: 100 E: 150

#### Models available

QVT600	Standard - high/low speed
QVT600TST	Continuous trickle - boost & timer
QVT600HTST	Continuous trickle - multi-switch boost, humidistat & timer

#### Code no. Accessories

ELE150R	Switched live extension board for additional switches
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## QUADVENT 750

### CENTRALISED MEV

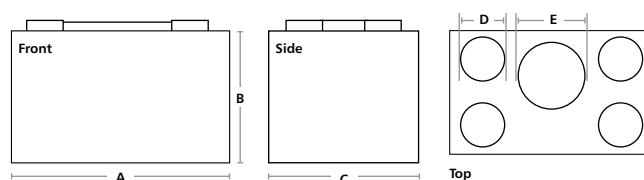


- Up to 4 room switching
- Acoustic lining
- 4 speed options
- Can be wall mounted

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	720
Max Extract Volume (l/s)	200
Max Pressure (Pa)	450
Supply Frequency (Hz)	50
Max Power (W)	200
Max Sound dB(A)@3m	Available upon request
Insulation Class	1
Weight (kg)	12.2
IP Rating	-
Max Temp (°C)	40
Warranty	3 yrs

#### Dimensions



Measured in mm

A: 460 B: 280 C: 335 D: 100 E: 150

#### Models available

QVT750	Standard - high/low speed
QVT750TST	Continuous trickle - boost & timer

#### Code no. Accessories

ELE150R	Switched live extension board for additional switches
---------	---



Regulations changed in October 2010. Ventilation is now notifiable work. To find out how to become a BPEC accredited Ventilation Installer, turn to page 82.



## FANS

To ensure the products are appropriate for the intended environment and application, please refer to the application icons at the top of each page.

Application code:



Kitchen



Utility room



Bathroom



Commercial



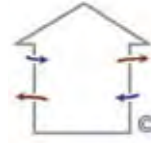
Toilet



Whole house

## INTERMITTENT EXTRACT FANS

Polypipe offer both Silavent and Domus branded fans including Low Watt versions to suit all applications. Both brands have a superb reputation for reliability and ease of installation.



### There are three main fan types; axial, mixed flow and centrifugal.

Straightforward guidance on the location and installation of intermittent extract fans is given in section 2.1 (p9) of the Domestic Compliance Guide 2010 which can be downloaded from [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation)

or a printed copy requested via email from [vent.info@polypipe.com](mailto:vent.info@polypipe.com)

Alternatively, call 08443 715523 for a copy.

### Notes:

- Using the graphs provided with each fan, ensure the required extract rate can be maintained whilst overcoming duct system resistance
- Ensure both the Voltage and IP rating are appropriate to the electrical safety zone
- Pull cord fans should not be mounted on the ceiling
- Humidistat fans should not be selected for WC applications
- Intermittent Extract Fans require return air supply, return air supply kits are listed on page 76

### Using the coded tables

Where available, add suffix to any basic fan code for a variant, i.e. SELV SDF 100PIR is SDF 100PIRLV, as illustrated in the table below.

Models available	SELV	Back Draught	SELV & Back Draught	Pull Cord	Timer	Humidistat	PIR
Code no.							
SDF 100B	LV	S	LVS				
SDF 100PB		S		•			
SDF 100TB	LV	S	LVS		•		
SDF 100HTB	LV	S	LVS			•	
SDF 100HTBC	LV	S			•		
SDF 100PIR	LV	S					•

Basic fan code

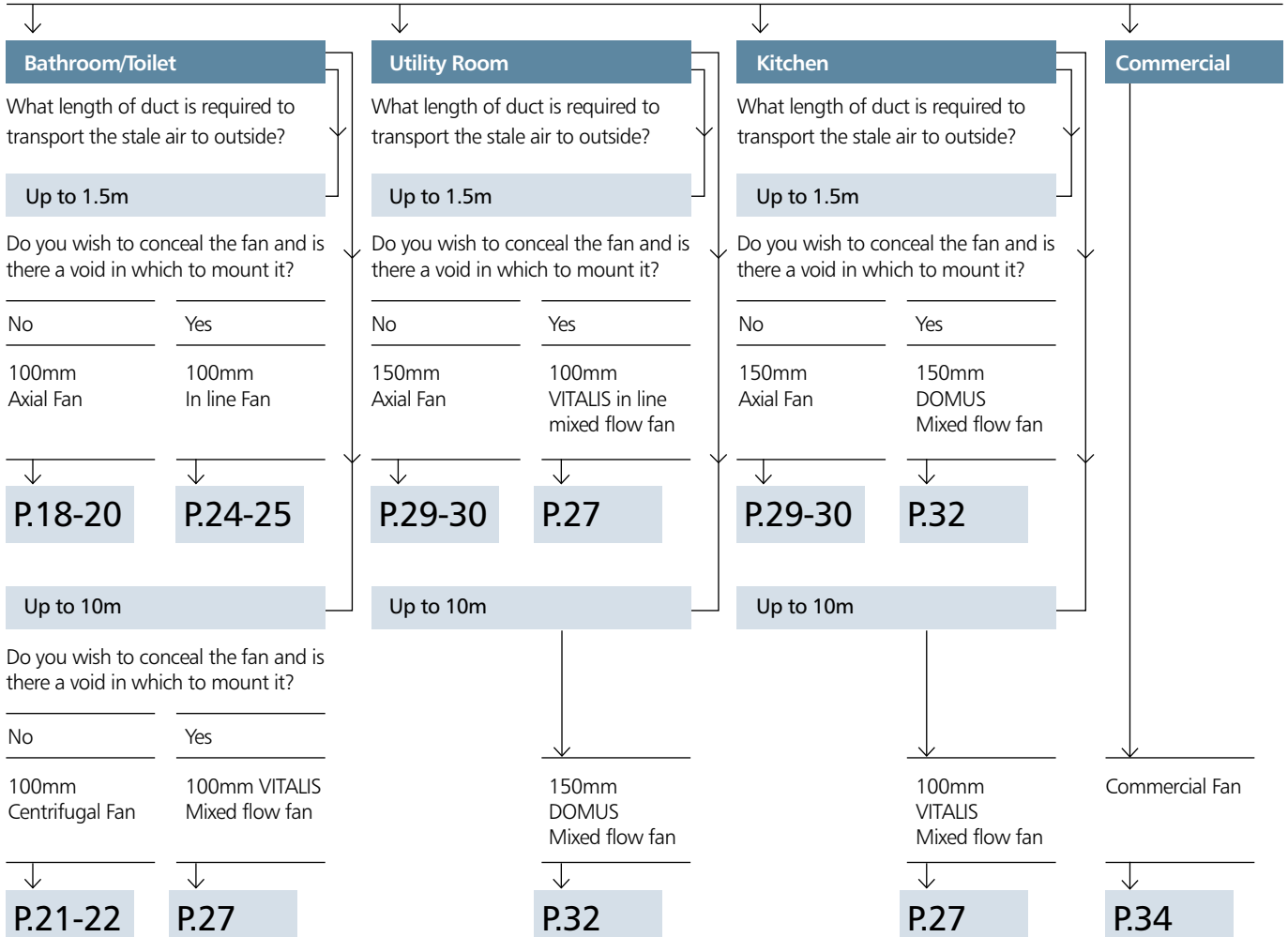
Suffix

Features

## FAN SELECTION

## STEP 2

What room is the fan required to ventilate?







## SDF 100

### 100mm AXIAL FAN

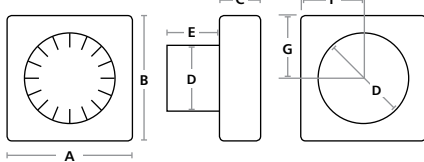


- Window fit option
- Maintenance free
- Available with back draught shutter
- Low voltage shower-fit variants (SELV)

#### Technical data

Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	80	80
Max Extract Volume (l/s)	22	22
Max Pressure (Pa)	16	16
Supply Frequency (Hz)	50	50
Max Power (W)	12	20
Max Sound dB(A)@3m	32	36.6
Weight (kg)	0.6	1.5 Inc. Transformer
IP Rating	X4	X4
Max Temp (°C)	40	40
Wall-fit hole diameter (mm)	110	110
Window-fit hole diameter (mm)	127-140	127-140
Suitable glass thickness (mm)	4-25	4-25
Warranty	2 yrs	2 yrs

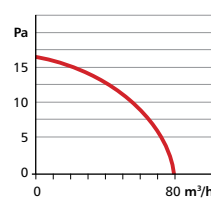
#### Dimensions



Measured in mm

A: 166 B: 166 C: 35 D: 99 E: 45 F: 83 G: 83

#### Performance



## SVC 100

### 100mm AXIAL FAN

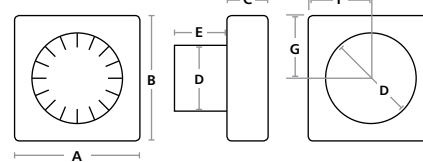


- Automatic shutters
- Window fit option
- IPX4 rated
- Low voltage shower-fit variants (SELV)

#### Technical data

Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	80	80
Max Extract Volume (l/s)	22	22
Max Pressure (Pa)	16	16
Supply Frequency (Hz)	50	50
Max Power (W)	12	20
Max Sound dB(A)@3m	32	36.6
Weight (kg)	0.6	1.5 Inc. Transformer
IP Rating	X4	X4
Max Temp (°C)	40	40
Wall-fit hole diameter (mm)	110	110
Window-fit hole diameter (mm)	127-140	127-140
Suitable glass thickness (mm)	4-25	4-25
Warranty	2 yrs	2 yrs

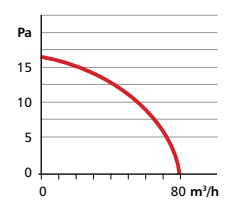
#### Dimensions



Measured in mm

A: 154 B: 156 C: 31 D: 99 E: 54 F: 77 G: 78

#### Performance graph



Models available						
	SELV	Back Draught	SELV & Back Draught	Pull Cord	Timer	Humidistat
<b>Code no.</b>						
SDF 100B	LV	S	LVS			
SDF 100PB		S		●		
SDF 100TB	LV	S	LVS		●	
SDF 100HTB	LV	S	LVS		●	●
SDF 100HTBPC	LV			●	●	●
SDF 100PIR	LV	S			●	●
<b>Code no.</b>	<b>Accessories</b>					
SDF901WFK	Window fitting kit					
1K	Wall fitting kit					

Models available					
	SELV	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>					
SVC 100B	LV				
SVC 100PB		●			
SVC 100TB	LV		●		
SVC 100HTB	LV		●	●	
SVC 100HTBPC		●	●	●	
<b>Code no.</b>	<b>Accessories</b>				
SDF901WFK	Window fitting kit				
1K	Wall fitting kit				

This fan is not ceiling mountable

## SLP 100

### 100mm AXIAL FAN

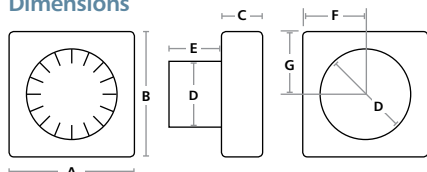


- Low profile
- Both fascias supplied
- Low voltage shower-fit variants (SELV)

#### Technical data

Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	80	80
Max Extract Volume (l/s)	22	22
Max Pressure (Pa)	16	16
Supply Frequency (Hz)	50	50
Max Power (W)	10	12
Max Sound dB(A)@3m	36.6	36.6
Weight (kg)	1	1.5 Inc. Transformer
IP Rating	X4	X4
Max Temp (°C)	40	40
Wall-fit hole diameter (mm)	110	110
Window-fit hole diameter (mm)	-	-
Suitable glass thickness (mm)	-	-
Warranty	2 yrs	2 yrs

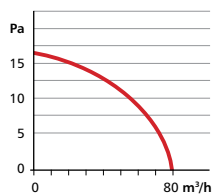
#### Dimensions



Measured in mm

A: 140 B: 140 C: 8 D: 99 E: 102 F: 70 G: 70

#### Performance graph



## DOMUS

### 100mm AXIAL FAN

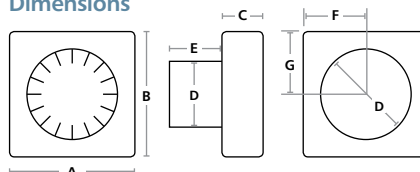


- High air-flow
- Retail pack options
- 3 year warranty
- Fan and transformer sold separately
- Window fit option

#### Technical data

Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	94	94
Max Extract Volume (l/s)	26	26
Max Pressure (Pa)	14	14
Supply Frequency (Hz)	50	50
Max Power (W)	15	15
Max Sound dB(A)@3m	38	38
Weight (kg)	0.6	1.5 Inc. Transformer
IP Rating	X4	X4
Max Temp (°C)	40	40
Wall-fit hole diameter (mm)	117	117
Window-fit hole diameter (mm)	127-133	
Suitable glass thickness (mm)	3-22	
Warranty	3 yrs	3 yrs

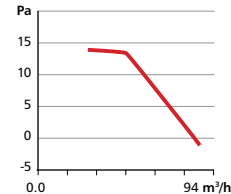
#### Dimensions



Measured in mm

A: 141 B: 141 C: 33 D: 99 E: 58 F: 70.5 G: 70.5

#### Performance graph



#### Models available

Code no.	SELV	Pull Cord	Timer	Humidistat	PIR
SLP 100B	LV				
SLP 100TB	LV		●		
SLP 100HTB	LV		●	●	

#### Code no.

#### Accessories

1K Wall fitting kit

#### Models available

Code no.	Retail Pack	SELV (Requires transformer)	Pull Cord	Timer	Humidistat	PIR
S1	R					
P1	R		●			
T1	R			●		
T1CH	R			●	●	
H1	R		●	●	●	
SL1		●				
TL1VKR	●	●		●		

#### Code no.

#### Accessories

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



Always ensure that provision has been made for sufficient replacement air in rooms with mechanical extraction. See page 76.



## LUMAR-IS

### 100mm AXIAL FAN WITH INTEGRAL LIGHT



- Contemporary design
- 7 blade impeller for quiet operation
- Safe for use in shower areas (Zone 2)
- Low power LED light

## BASE

### BUDGET 100mm AXIAL FAN

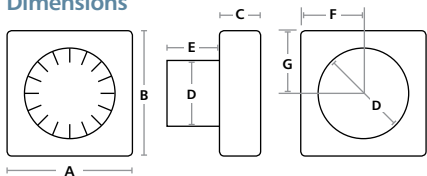


- CE marked
- Low voltage shower-fit variant

#### Technical data

Description	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	80
Max Extract Volume (l/s)	22
Max Pressure (Pa)	30
Supply Frequency (Hz)	50
Max Power (W)	14
Max Sound dB(A)@3m	32
Weight (kg)	1.6 Inc. Transformer
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	110
Window-fit hole diameter (mm)	
Suitable glass thickness (mm)	
Warranty	2 yrs

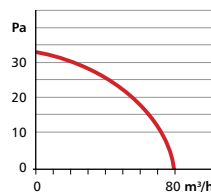
#### Dimensions



Measured in mm

A: 151 B: 151 C: 30 D: 100 E: 96 F: 75.5 G: 75.5

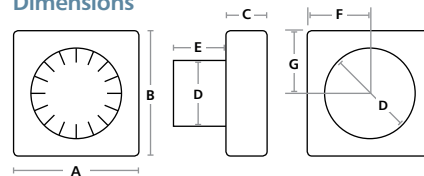
#### Performance



#### Technical data

Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	95	95
Max Extract Volume (l/s)	26	26
Max Pressure (Pa)	19	
Supply Frequency (Hz)	50	50
Max Power (W)	14	14
Max Sound dB(A)@3m	34	34
Weight (kg)	0.59	-
IP Rating	-	-
Max Temp (°C)	-	-
Wall-fit hole diameter (mm)	-	-
Window-fit hole diameter (mm)	-	-
Suitable glass thickness (mm)	-	-
Warranty	1 yr	1 yr

#### Dimensions



Measured in mm

A: 150 B: 150 C: 10 D: 100 E: 95 F: 75 G: 75

Models available	Pull Cord	Timer	Humidistat	PIR
LUM100BLV				
LUM100TBLV		●		

Models available	SELV (Requires transformer)	Round Fascia	Pull Cord	Timer	Humidistat	PIR
B1S	L					
B1P			●			
B1T				●		
B1HT				●	●	
B1HTP			●	●	●	
BR1S		●				

Code no.	Accessories
VS	12V Transformer
VT	12V Transformer with Timer
VH	12V Transformer with Humidistat
BK1	Wall Fitting Kit



To join Polypipe's Installer Loyalty scheme, email [vent.info@polypipe.com](mailto:vent.info@polypipe.com) or call 08443 715523.



## PVS B 100mm CENTRIFUGAL FAN

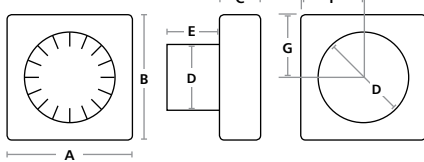


- IPX4 rated
- Spigot position options
- Washable filter
- dMEV option

### Technical data

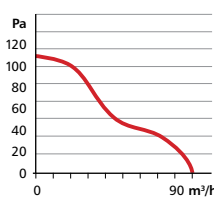
Description	230V
Max Extract Volume (m³/h)	High 90/Low 23
Max Extract Volume (l/s)	High 25/Low 6
Max Pressure (Pa)	108
Supply Frequency (Hz)	50
Max Power (W)	High 38/Low 9
Max Sound dB(A)@3m	High 38/Low 9
Weight (kg)	1.3
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

### Dimensions



Measured in mm  
 A: 230 B: 230 C: 105 D: 97 E: 20  
 F: Multiple G: Multiple

### Performance



## CURZON 100mm CENTRIFUGAL FAN

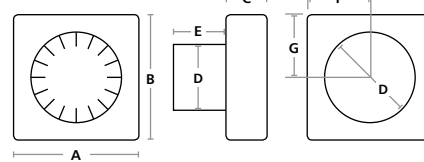


- Low power/high air-flow
- Low Watt versions
- Fire-shutter and in-line options
- 3 year warranty

### Technical data

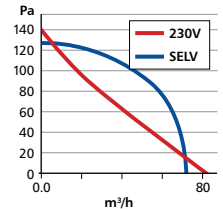
Description	LOW WATT		
	230V	SELV (230/12V)	230V
Max Extract Volume (m³/h)	80	72	80
Max Extract Volume (l/s)	22	20	22
Max Pressure (Pa)	150	125	150
Supply Frequency (Hz)	50	50	50
Max Power (W)	35	44	10
Max Sound dB(A)@3m	26	29.4	26
Weight (kg)	1.1	2 Inc. Transformer	1.1
IP Rating	X4	X4	X4
Max Temp (°C)	40	40	40
Wall-fit hole diameter (mm)	-	-	-
Window-fit hole diameter (mm)	-	-	-
Suitable glass thickness (mm)	-	-	-
Warranty	3 yrs	3 yrs	3 yrs

### Dimensions



Measured in mm  
 A: 216 B: 195 C: 98 D: 80/100 E: 32/57 F: 50 G: 52

### Performance



Models available	SELV	dMEV	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>						
PVS100BB						
PVS100TB	LV			●		
PVS100HTBB	LV			●	●	
PVS100PBBTW		●	●			
PVS100HTBTW		●	●		●	
PVS100PBLVTW	●	●	●			

Models available	In Line	SELV	Low Watt	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>							
CUR7001B	KIT		LW				
CUR7002B			LW	●			
CUR7003B	KIT				●		
CUR7004B				●	●	●	
CUR7005B					●		●
CUR7006B					●	●	●
CUR9003		LV			●		
CUR9004		LV			●	●	

Code no.	Accessories
CUR501A	Fire Shutter Back plate (1 Hour Rated)



Unsure which fan or duct system would be the most suitable for your application? Give us a call on 08443 715523.



## MAYFAIR 70

## PUSH-FIT SPECIFICATION FAN

**LOW  
WATT  
AVAILABLE**


- Twin speed dMEV option
- Low Watt versions
- Super quiet operation
- Mounting box option required

## MAYFAIR 100

## PUSH-FIT SPECIFICATION FAN



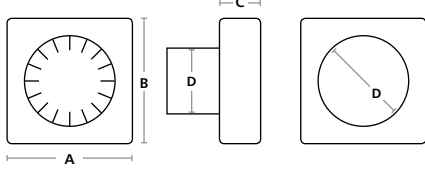
- Twin speed option
- Super quiet operation
- In-line option available
- Mounting box option required

## Technical data

## LOW WATT

Description	230V	SELV (230/12V)	230V
Max Extract Volume (m <sup>3</sup> /h)	Hi 70/Low 43	70	Hi 72/Low 43
Max Extract Volume (l/s)	Hi 19/Low 12	19	Hi 20/Low 12
Max Pressure (Pa)	105	105	105
Supply Frequency (Hz)	50	50	50
Max Power (W)	Hi 35/Low 20	45	Hi 10/Low 6
Max Sound dB(A)@3m	Hi 22/Low 12	22	Hi 22/Low 12
Weight (kg) (fan only)	1.7	1.7	1.7
IP Rating	X4	X4 Inc. Transformer	X4
Max Temp (°C)	40	40	40
Wall-fit hole dia	-	-	-
Window-fit hole dia	-	-	-
Glass thickness (mm)	-	-	-
Warranty	3 yrs	3 yrs	3 yrs

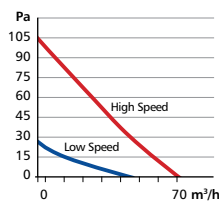
## Dimensions



Measured in mm

A: 250 B: 250 C: 155 D: 85 Fan

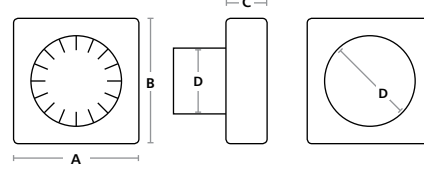
## Performance



## Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 97/Low 50
Max Extract Volume (l/s)	High 27/Low 14
Max Pressure (Pa)	150
Supply Frequency (Hz)	50
Max Power (W)	High 50/Low 20
Max Sound dB(A)@3m	High 32/Low 12
Weight (kg) (fan only)	1.7
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

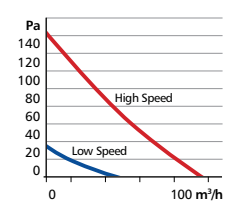
## Dimensions



Measured in mm

A: 250 B: 250 C: 155 D: 85 Fan

## Performance



Models available							
	SELV	Low Watt	dMEV/Twin Speed	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>							
MSS070B	LV	LW					
MPC070B			●	●			
MTD070B	LV	LW			●		
MCC070B	LV	LW			●	●	
MIR070B					●		●
MTS070B		LW	●				
MTT070B		LW	●		●		
MCT070B		LW	●	●	●	●	

Code no.	Accessories
MAY905B	Back box - Recessed - Rear Entry (Domus 100mm)
MAY504A	Back box - Surface - Rear Entry (Domus 100mm)
FLA105A	Back box - Ceiling - Side Entry (Domus 225x25mm)
PFL420A	Back box - Ceiling - Side Entry (Domus 110x54mm)
MAY908B	In-line fan box (Not for use with Humidistat and PIR)
MAY901A	Washable Filter Cover (Not for use with Humidistat and PIR)

Models available					
	Twin Speed	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>					
MSS100B					
MPC100B		●			
MTD100B			●		
MCC100B			●	●	
MIR100B			●		●
MTS100B	●				
MTT100B	●		●		
MCT100B	●	●	●	●	

Code no.	Accessories
MAY905B	Back box - Recessed - Rear Entry (Domus 100mm)
MAY504A	Back box - Surface - Rear Entry (Domus 100mm)
FLA105A	Back box - Ceiling - Side Entry (Domus 225x25mm)
PFL420A	Back box - Ceiling - Side Entry (Domus 110x54mm)
MAY908B	In-line fan box (Not for use with Humidistat and PIR)
MAY901A	Washable Filter Cover (Not for use with Humidistat and PIR)

**MAYFAIR 140**

**PUSH-FIT SPECIFICATION FAN**

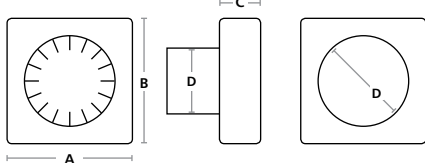


- Very high air-flow
- 3 year warranty
- Installation options
- Mounting box option required
- Can also be used in utility rooms 

**Technical data**

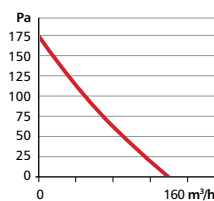
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	140
Max Extract Volume (l/s)	39
Max Pressure (Pa)	175
Supply Frequency (Hz)	50
Max Power (W)	60
Max Sound dB(A)@3m	40
Weight (kg) (fan only)	1.7
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

**Dimensions**



Measured in mm  
A: 250 B: 250 C: 155 D: 85 Fan

**Performance**



**MAYFAIR CLASSIC**

**PUSH-FIT SPECIFICATION FAN**

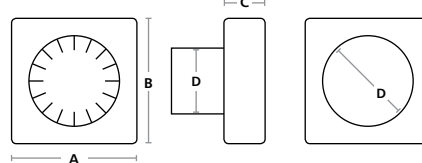


- Excellent heritage
- Long life/easy replacement
- Two speed options
- Mounting box option required

**Technical data**

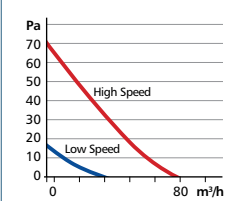
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 79/Low 36
Max Extract Volume (l/s)	High 22/Low 10
Max Pressure (Pa)	70
Supply Frequency (Hz)	50
Max Power (W)	High 35/Low 20
Max Sound dB(A)@3m	High 38.8/Low 16.8
Weight (kg) (fan only)	1.5
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

**Dimensions**



Measured in mm  
A: 220 B: 220 C: 105 D: 80 Fan

**Performance**




Models available	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>				
MSS140B				
MPC140B	●			
MTD140B		●		
MCC140B		●	●	
MIR140B		●		●

Code no.	Accessories
MAY905B	Back box - Recessed - Rear Entry (Domus 100mm)
FLA106A	Back box - Surface - Rear Entry (Domus 100mm)
FLA105A	Back box - Ceiling - Side Entry (Domus 225x25mm)
PFL420A	Back box - Ceiling - Side Entry (Domus 110x54mm)
MAY901A	Washable Filter Cover (Not for use with Humidistat and PIR)

Models available	Twin Speed	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>					
MAY 102B					
MAY 202B			●		
MAY 402B	●		●		

Code no.	Accessories
MAY907A	Back box - Recessed - Rear Entry (Domus 100mm)
FLA106A	Back box - Surface - Rear Entry (Domus 100mm)
MAY 502S	Fire Shutter Back plate (1 Hour Rated)

 Polypipe offer a range of Silavent remote controls for almost any fan, see page 37.



## DVF 100

### 100mm IN LINE AXIAL FAN

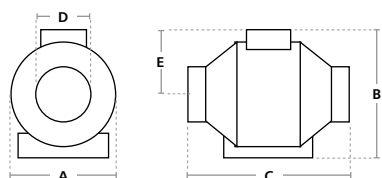
- Discreet bathroom extract
- Duct kit option
- All components included in kits



#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	70
Max Extract Volume (l/s)	19
Max Pressure (Pa)	16
Supply Frequency (Hz)	50
Max Power (W)	12-20
Max Sound dB(A)@3m	32
Weight (kg) (Fan only)	0.47
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

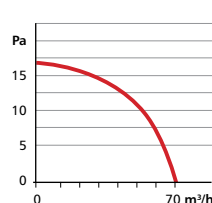
#### Dimensions



Measured in mm

A: 100 B: 100 C: 115 D: 100 E: 50

#### Performance



## SPOTVENT 100

### 100mm IN LINE AXIAL FAN & LIGHT

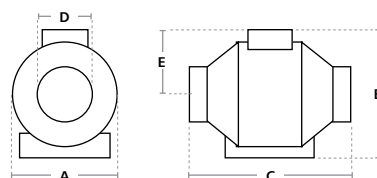
- Integrated light
- Discreet bathroom extract
- All components included in kits
- Duct kit option
- Light fitting available separately



#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	70
Max Extract Volume (l/s)	19
Max Pressure (Pa)	16
Supply Frequency (Hz)	50
Max Power (W)	12-20
Max Sound dB(A)@3m	32
Weight (kg) (Fan only)	0.47
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

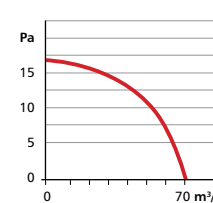
#### Dimensions



Measured in mm

A: 100 B: 100 C: 115 D: 100 E: 50

#### Performance



Models available	Code no.	Includes Duct Kit	Pull Cord	Timer	Humidistat	PIR
DVF801D						
DVF802D				●		
DVF801ET		●				
DVF802ET		●		●		

Models available	Code no.	Includes Duct Kit	Pull Cord	Timer	Humidistat	PIR
SPV801ETWCG		●				
SPV802ETWCG		●		●		

Code no.	Accessories
SPV801TWCG	Light fitting only



The Ventilation Solutions Provider scheme enables merchants and distributors to become ventilation specialists, with training, merchandising and sales support. To find out more, turn to page 80.



**DOMUS**

**100mm IN LINE MIXED FLOW FAN**

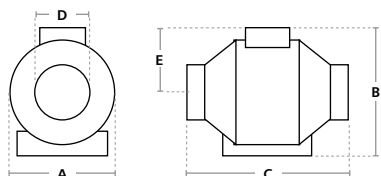


- Discreet bathroom extract
- Duct kit option
- All components included in kits
- Retail pack option

**Technical data**

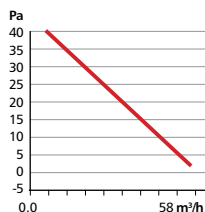
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	58
Max Extract Volume (l/s)	17
Max Pressure (Pa)	45
Supply Frequency (Hz)	50
Max Power (W)	15
Max Sound dB(A)@3m	32
Weight (kg) (Fan only)	0.5
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

**Dimensions**



Measured in mm  
A: 155 B: 108 C: 100 D: 99 E: 99.5

**Performance**



**DOMUS VENTLIGHT**

**100mm IN LINE MIXED FLOW FAN & LIGHT**

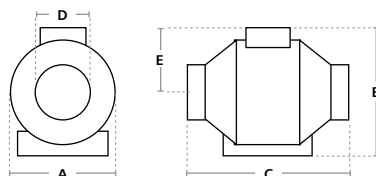


- Stylish design
- Discreet bathroom extract
- Duct kit option
- All components included in kits
- Retail pack option

**Technical data**

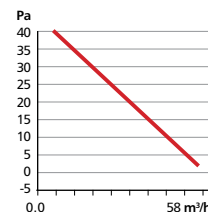
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	58
Max Extract Volume (l/s)	17
Max Pressure (Pa)	45
Supply Frequency (Hz)	50
Max Power (W)	15
Max Sound dB(A)@3m	32
Weight (kg) (Fan only)	0.5
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

**Dimensions**



Measured in mm  
A: 155 B: 108 C: 100 D: 99 E: 99.5

**Performance**



Models available	Chrome & Retail	Chrome Finish	Retail Pack	Includes Duct Kit	Pull Cord	Timer	Humidistat	PIR
Code no.								
S1D								
T1D						●		
S1DK	CHR	CH	R	●				
T1DK	CHR	CH	R	●		●		

Models available	Chrome & Retail	Chrome Finish	Retail Pack	Includes Duct Kit	Pull Cord	Timer	Humidistat	PIR
Code no.								
LS1DK	CHR	CH	R	●		●		
LT1DK	CHR	CH	R	●		●		



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Go to [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation)



## DVF 120

### 120mm IN LINE AXIAL FAN

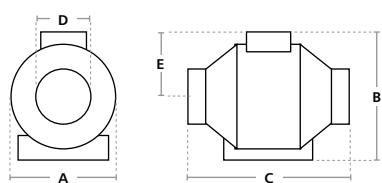
- Higher air-flow
- Discreet bathroom extract
- Duct kit option
- All components included in kits



#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	130
Max Extract Volume (l/s)	36
Max Pressure (Pa)	28
Supply Frequency (Hz)	50
Max Power (W)	25
Max Sound dB(A)@3m	32
Weight (kg) (fan only)	0.58
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

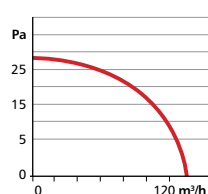
#### Dimensions



Measured in mm

A: 120 B: 120 C: 108 D: 120 E: 60

#### Performance



## SPOTVENT 120

### 120mm AXIAL FAN & LIGHT

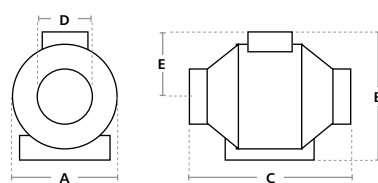
- Higher air-flow
- Integrated light
- Duct kit option
- All components included in kits
- Light fitting available separately



#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	130
Max Extract Volume (l/s)	36
Max Pressure (Pa)	28
Supply Frequency (Hz)	50
Max Power (W)	25
Max Sound dB(A)@3m	32
Weight (kg) (fan only)	0.58
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

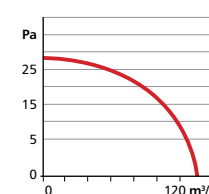
#### Dimensions



Measured in mm

A: 120 B: 120 C: 108 D: 120 E: 60

#### Performance



Models available	Includes Duct Kit				
	Pull Cord	Timer	Humidistat	PIR	
<b>Code no.</b>					
DVF811D					
DVF812D			●		
DVF811ET	●				
DVF812ET	●		●		

Models available	Includes Duct Kit				
	Pull Cord	Timer	Humidistat	PIR	
<b>Code no.</b>					
SPV811ETWCG					
SPV812ETWCG	●		●		
<b>Code no.</b>	<b>Accessories</b>				
SPV801TWCG	Light fitting only				

## DVF PRO

### 100mm MIXED FLOW FAN

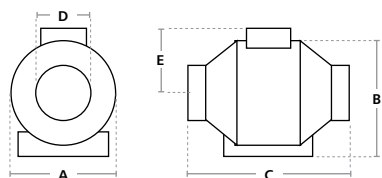
- Very high air-flow
- Discreet bathroom extract
- Two speed options
- Duct kit option



#### Technical data

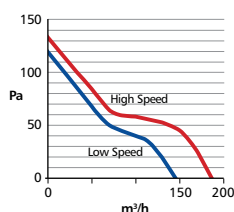
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 187/Low 145
Max Extract Volume (l/s)	High 52/Low 40
Max Pressure (Pa)	135
Supply Frequency (Hz)	50
Max Power (W)	High 28/Low 25
Max Sound dB(A)@3m	High 34/Low 27
Weight (kg)	1.4
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

#### Dimensions



Measured in mm  
A: 136 B: 195 C: 260 D: 96 E: 102

#### Performance



## SPOTVENT PRO

### 100mm IN LINE MIXED FLOW FAN & LIGHT

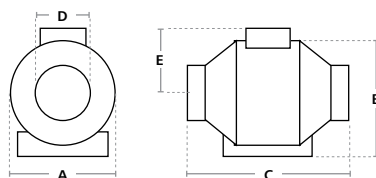
- Very high air-flow
- Integrated light
- Duct kit option
- All components included in kits



#### Technical data

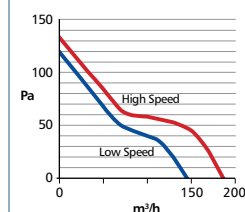
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 187/Low 145
Max Extract Volume (l/s)	High 52/Low 40
Max Pressure (Pa)	135
Supply Frequency (Hz)	50
Max Power (W)	High 28/Low 25
Max Sound dB(A)@3m	High 34/Low 27
Weight (kg) (Fan only)	1.4
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

#### Dimensions



Measured in mm  
A: 136 B: 195 C: 260 D: 96 E: 102

#### Performance



Models available	Includes Duct Kit				
	Pull Cord	Timer	Humidistat	PIR	
<b>Code no.</b>					
VIT100B					
VIT100TB			●		
DVF831ET	●				
DVF832ET	●		●		

Models available	Includes Duct Kit				
	Pull Cord	Timer	Humidistat	PIR	
<b>Code no.</b>					
SPV831ETWCG	●				
SPV832ETWCG	●		●		

Code no.	Accessories
SPV801TWCG	Light fitting only



## BASE

### BUDGET 100mm IN LINE AXIAL

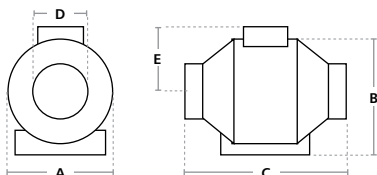


- CE Marked
- Kits include duct and grilles

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	60
Max Extract Volume (l/s)	17
Max Pressure (Pa)	41
Supply Frequency (Hz)	50
Max Power (W)	14
Max Sound dB(A)@3m	36
Weight (kg) Fan only	0.41
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	1 yrs

#### Dimensions



Measured in mm

A: 160 B: 110 C: 113 D: 100 E: 50

Models available	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>				
B1DS				
B1DT		●		
<b>Code no.</b>	<b>Accessories</b>			
BK1D	Flexible Ducting Kit			



Avoid using flexible hose wherever possible due to its extremely poor air-flow characteristics – use only for short connections if absolutely necessary.

## TECHNICAL TIPS...



- Always ensure that provision has been made for sufficient replacement air in rooms with mechanical extraction
- Always attempt to position supply and extract grilles/valves in the ceiling and as far as possible from the door in order to provide maximum air circulation
- Always insulate ducts installed in cold spaces to avoid condensation forming
- Always seal duct joints to avoid condensate leakage and maintain optimal air-flow





SDF 150

150mm AXIAL FAN

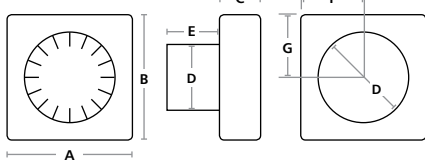


- Window fit option
- 2 speed options
- Available with back draught shutter
- Low voltage shower-fit variants (SELV)

Technical data

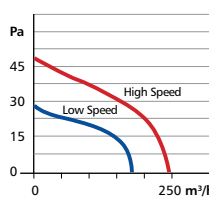
Description	230V	SELV (230/12V)
Max Extract Volume (m <sup>3</sup> /h)	Hi 240/Low 175	240
Max Extract Volume (l/s)	Hi 67/Low 48	67
Max Pressure (Pa)	50	50
Supply Frequency (Hz)	50	50
Max Power (W)	Hi 35/Low 25	35
Max Sound dB(A)@3m	Hi 37.3/Low 32.7	37.3
Weight (kg)	1	1.9 Inc. Transformer
IP Rating	X4	X4
Max Temp (°C)	40	40
Wall-fit hole diameter (mm)	170	170
Window-fit hole diameter (mm)	185	185
Suitable 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



SVC 150

150mm AXIAL FAN

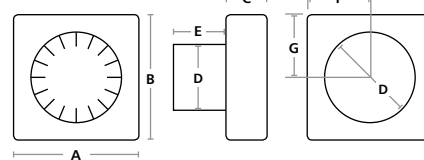


- Automatic shutters
- Window fit option
- 2 speed options
- Low voltage shower-fit variants (SELV)

Technical data

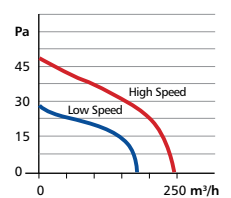
Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 240/Low 175
Max Extract Volume (l/s)	High 67/Low 48
Max Pressure (Pa)	50
Supply Frequency (Hz)	50
Max Power (W)	High 35/Low 25
Max Sound dB(A)@3m	High 37.3/Low 32.7
Weight (kg)	1
IP Rating	X3
Max Temp (°C)	40
Wall-fit hole diameter (mm)	170
Window-fit hole diameter (mm)	185
Suitable glass thickness (mm)	4-35
Warranty	3 yrs

Dimensions



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

Performance



Models available	SELV Single Speed	Twin Speed	Pull Cord	Timer	Humidistat	PIR
SDF150B	LV					
SDF150PB		TW	●			
SDF150TB	LV			●		
SDF150HTB				●	●	
SDF150HBPC			●		●	
SDF150PIR				●		●
SDF150HB		TW		●	●	

Code no.	Accessories
SDF911WFK	Window Fitting Kit
SDF911W	Wall Fitting Kit

Models available	Twin Speed	Pull Cord	Timer	Humidistat	PIR
SVC150B					
SVC150PB	TW	●			
SVC150TB			●		
SVC150HB	TW			●	
SVC150HTB		●	●	●	

Code no.	Accessories
SVC901WFK	Window Fitting Kit
SVC901W	Wall Fitting Kit

This fan is not ceiling mountable



## DOMUS

## 150mm AXIAL FANS

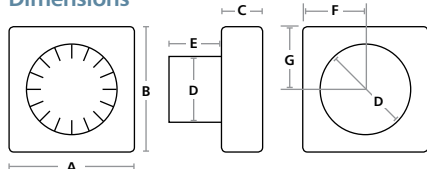


- High air-flow
- Retail pack options
- 3 year warranty
- Fan and transformer sold separately

## Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	248
Max Extract Volume (l/s)	69
Max Pressure (Pa)	50
Supply Frequency (Hz)	50
Max Power (W)	33
Max Sound dB(A)@3m	48.9
Weight (kg) (fan only)	0.8
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	160-165
Window-fit hole diameter (mm)	182-192
Suitable glass thickness (mm)	3-22
Warranty	2 yrs

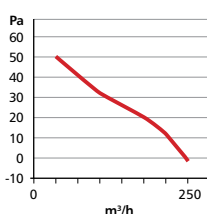
## Dimensions



Measured in mm

A: 201 B: 201 C: 44 D: 150 E: 61 F: 100.5 G: 100.5

## Performance



## BASE

## BUDGET 150mm AXIAL FANS

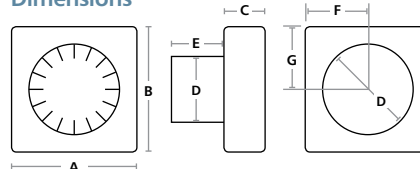


- CE Marked
- Kits include duct and grilles

## Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	205
Max Extract Volume (l/s)	205
Max Pressure (Pa)	61
Supply Frequency (Hz)	50
Max Power (W)	30
Max Sound dB(A)@3m	39
Weight (kg) (fan only)	1.1
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	160-165
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	1 yr

## Dimensions



Measured in mm

A: 205 B: 205 C: 13 D: 150 E: 119 F: 103 G: 103

Models available	Retail Pack	Wall Kit	Window Kit	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>							
S15							
P15	R			●			
T15					●		
H15						●	
P15KR		●					
P15WR			●				
<b>Code no.</b>	<b>Accessories</b>						
15W	Window fitting kit						
15K	Wall fitting kit						

Models available	Round Fascia	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>					
B15S					
B15P		●			
B15T			●		
B15TP		●	●		
B15HT			●	●	
B15HTP		●	●	●	
BR15S	●				
<b>Code no.</b>	<b>Accessories</b>				
BK15	Wall Fitting Kit				

## PVS K

### 100mm CENTRIFUGAL FAN

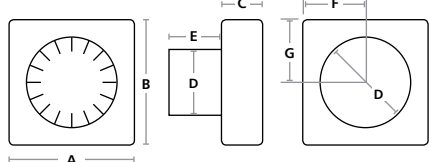


- IPX4 rated
- Spigot position options
- Washable filter
- dMEV option

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	260
Max Extract Volume (l/s)	72
Max Pressure (Pa)	363
Supply Frequency (Hz)	50
Max Power (W)	88
Max Sound dB(A)@3m	41
Weight (kg)	2.2
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	110
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

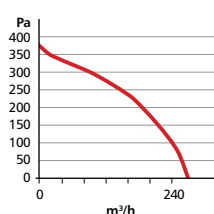
#### Dimensions



Measured in mm

A: 265 B: 265 C: 115 D: 97 E: 20 F: Multiple G: Multiple

#### Performance



## KITCHENAIRE

### 100mm CENTRIFUGAL FAN

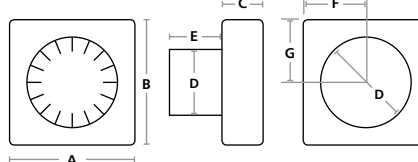


- Integral back draught shutters & filter
- dMEV option

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 240/Low 120
Max Extract Volume (l/s)	High 67/Low 33
Max Pressure (Pa)	300
Supply Frequency (Hz)	50
Max Power (W)	High 90/Low 43
Max Sound dB(A)@3m	High 19/Low 12
Weight (kg)	3.1
IP Rating	X3
Max Temp (°C)	40
Wall-fit hole diameter (mm)	110
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	3 yrs

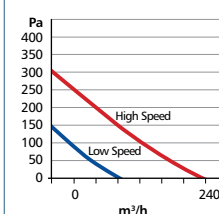
#### Dimensions



Measured in mm

A: 337 B: 294 C: 121 D: 100 E: 36 F: 74 G: 74

#### Performance



Models available	Code no.	dMEV (Twin Speed)	Pull Cord	Timer	Humidistat	PIR
PVS100TBK				●		
PVS100HBK					●	
PVS100HTBK				●	●	
PVS100PBKTW		●	●			
PVS100BKTH (Humidistat - Trickle, Pull Cord - Boost)		●	●		●	

Models available	Code no.	dMEV (Twin Speed)	Pull Cord	Timer	Humidistat	PIR
KIT104B			●			
KIT103B				●		
KIT107B			●		●	
KIT201B		●	●			
KIT203B		●			●	

#### Code no. Accessories

FLA007A	Back box - Ceiling - Side Entry (Domus 300x25mm)
ANC841D	Wall Fitting Kit



Avoid arbitrarily reducing duct sizes to save cost – this is a false economy as it will create excess noise and may also harm your appliance.



## DOMUS

### 150mm IN LINE MIXED FLOW FAN

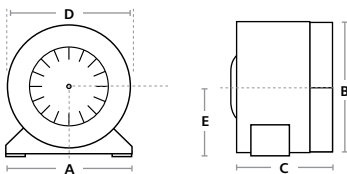


- Discreet bathroom extract

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	224
Max Extract Volume (l/s)	62
Max Pressure (Pa)	67
Supply Frequency (Hz)	50
Max Power (W)	33
Max Sound dB(A)@3m	48.9
Weight (kg) (fan only)	0.7
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

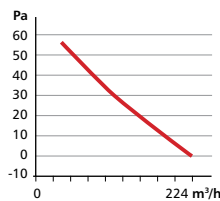
#### Dimensions



Measured in mm

A: 180 B: 149 C: 123 D: 150 E: 74

#### Performance



## VITALIS

### 150mm IN LINE MIXED FLOW FAN

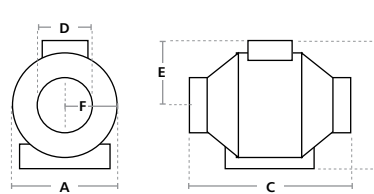


- Two speed options
- Very high air-flow

#### Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 552/Low 467
Max Extract Volume (l/s)	High 153/Low 130
Max Pressure (Pa)	320
Supply Frequency (Hz)	50
Max Power (W)	High 76/Low 54
Max Sound dB(A)@3m	High 33/Low 27
Weight (kg) (fan only)	3
IP Rating	X4
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	2 yrs

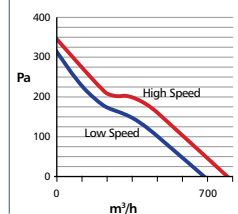
#### Dimensions



Measured in mm

A: 185 B: 250 C: 295 D: 148 E: 130

#### Performance



#### Models available

Code no.	Pull Cord	Timer	Humidistat	PIR
S15D				
T15D		●		

#### Models available

Code no.	Pull Cord	Timer	Humidistat	PIR
VIT150B				
VIT150TB		●		



Did you know that the installation of condensation traps is recommended in both Building Regulations and NHBC Standards? If you would like to read more on Polypipe's Condensation Traps then please go to pages 58, 64, 69 and 75 or call 08443 715523.



**BASE**

**BUDGET 150mm IN LINE AXIAL FAN**

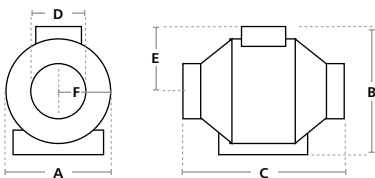


- CE marked
- Kits include duct and grilles

**Technical data**

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	305
Max Extract Volume (l/s)	85
Max Pressure (Pa)	70
Supply Frequency (Hz)	50
Max Power (W)	29
Max Sound dB(A)@3m	47
Weight (kg)	1
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	-
Window-fit hole diameter (mm)	-
Suitable glass thickness (mm)	-
Warranty	1 yr

**Dimensions**



Measured in mm  
A: 200 B: 162 C: 128 D: 150 E: 75

Models available	Pull Cord	Timer	Humidistat	PIR
<b>Code no.</b>				
B15DS				
B15DT		●		
<b>Code no.</b>	<b>Accessories</b>			
BK15D	Flexible Ducting Kit			

**TECHNICAL TIPS...**



- Try to use 45 degree bends in duct systems instead of 90 degree bends as they are up to 3 times more efficient
- Try to avoid too many bends in a duct system as each 90 degree bend approximates 4 metres of rectangular duct or 10 metres of round
- Where space is available use circular rigid duct for greater efficiency
- Avoid using flexible hose wherever possible due to its extremely poor air-flow characteristics – use only for short connections if absolutely necessary

**TECHNICAL SUPPORT**



- Do you have a technical question that needs answering? Call our customer service team on **08443 715523**



## SVS230

## 230mm AXIAL FAN

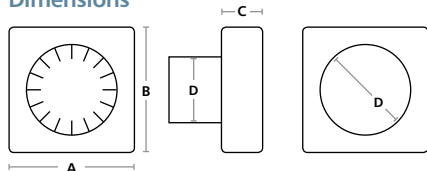


- High air-flow
- Quiet operation
- Window kit supplied

## Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 750/Low 280
Max Extract Volume (l/s)	High 208/Low 78
Max Pressure (Pa)	-
Supply Frequency (Hz)	50
Max Power (W)	High 40/Low 15
Max Sound dB(A)@3m	47.4
Weight (kg) (fan only)	6.6
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	254-262
Window-fit hole diameter (mm)	254-262
Suitable glass thickness (mm)	4-48
Warranty	3 yrs

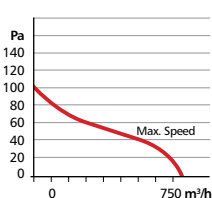
## Dimensions



Measured in mm

A: 321 B: 331 C: 141 D: 230

## Performance



## SVS231

## 300mm AXIAL FAN

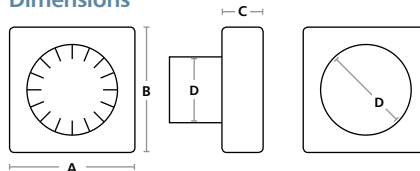


- Very high air-flow
- Window kit supplied

## Technical data

Description	230V
Max Extract Volume (m <sup>3</sup> /h)	High 1350/Low 600
Max Extract Volume (l/s)	High 375/Low 165
Max Pressure (Pa)	-
Supply Frequency (Hz)	50
Max Power (W)	High 75/Low 35
Max Sound dB(A)@3m	51
Weight (kg) (fan only)	3.7
IP Rating	X2
Max Temp (°C)	40
Wall-fit hole diameter (mm)	324-337
Window-fit hole diameter (mm)	324-337
Suitable glass thickness (mm)	4-48
Warranty	3 yrs

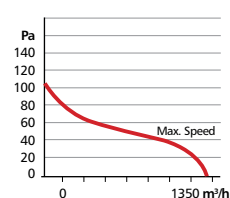
## Dimensions



Measured in mm

A: 375 B: 385 C: 148 D: 300

## Performance



## Models available

## Code no.

SVS230B

Pull Cord	Timer	Humidistat	PIR

## Code no.

## Accessories

SVS230BWAL	Wall fitting kit - recessed
SVS950W-230	Wall fitting kit - surface fit

## Models available

## Code no.

SVS300B

Pull Cord	Timer	Humidistat	PIR

## Code no.

## Accessories

SVS300BWAL	Wall fitting kit - recessed
SVS950W-300	Wall fitting kit - surface fit



Do you need further technical support or product information? Please visit [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation) or call 08443 715523.



## ACOUSTIC ATTENUATING VENTILATION PRODUCTS

Ideal for urban, high traffic or security applications, Freshflo acoustic ventilators ensure that the acoustic insulation and security levels provided by specialist glazing are not undermined by ventilation provision.

- Effective acoustic isolation
- Variable ventilation rates remove the need for opening windows
- Enables increased building security
- Gloss white finish available to match radiators and panel heaters
- Reduces humidity and condensation
- Maintenance-free self-lubricating motor

Freshflo ventilators can be installed independently in each habitable room and provide variable ventilation rates which exceed the requirements of Approved Document F of Building Regulations.

As replenishment air for ventilation or open-flue combustion appliances, units can be employed singularly or in multiples, dependant on the application. Freshflo models can be surface mounted or flush fitted into the wall.

### Freshflo installation service available

Also available as part of the Silavent installed acoustic package:

- Secondary glazing
- Replacement windows
- Encapsulated venetian blinds with Bowen remote tilt rod

Please contact us on **08443 715523** for further details on Silavent Environmental Services.

## COMBINED VENTILATOR

### SM2/C

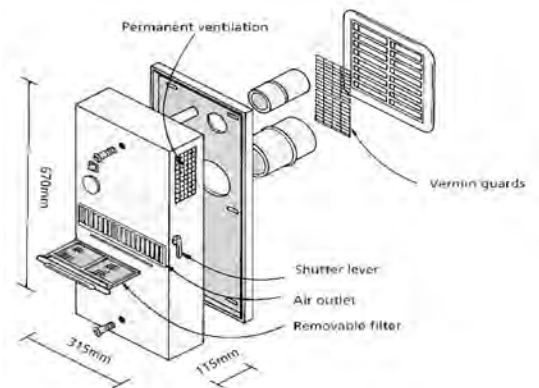


- Flying lead and plug supplied
- Average noise reduction of 35dB(A)
- Self lubricating motor
- Cowl terminal available

### Technical data

Description	SM2/C
Air-flow (l/s) at 0 Pa	15.69
Air-flow (l/s) at 10 Pa	37.96
Air-flow (l/s) at 30 Pa	32.48
Effective Free Area (Normal Flow)	5900
Effective Free Area (Reversed Flow)	5900
Non-Mechanical (Normal Flow)	4640
Non-Mechanical (Reversed Flow)	4640
Supply Frequency (Hz)	50
Supply Voltage (V)	230
Max Power (W)	50
Fuse (A)	3
Warranty	1 year

### Dimensions



### Models available

#### Code no.

FRE 104B	White
----------	-------

#### External

FRE504A	Grille - White 200x250mm
FRE501B	Grille - Terracotta 200x251mm
FRE501A	Grille - Grey 200x252mm
FRE501D	Grille - Brown 200x253mm
FRE501C	Grille - Buff 200x253mm
FRE502A	Cowl - Grey

## PERMANENT VENTILATOR

### SM2/P

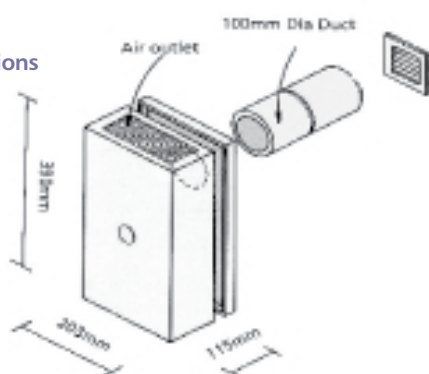


- Simple core drill installation
- Average noise reduction of 35dB(A)
- Gloss white finish

#### Technical data

Description	SM2/P
Air-flow (l/s) at 0 Pa	-
Air-flow (l/s) at 10 Pa	-
Air-flow (l/s) at 30 Pa	-
Effective Free Area (Normal Flow)	-
Effective Free Area (Reversed Flow)	-
Non-Mechanical (Normal Flow)	3360
Non-Mechanical (Reversed Flow)	3320
Supply Frequency (Hz)	-
Supply Voltage (V)	-
Max Power (W)	-
Fuse (A)	-
Warranty	1 year

#### Dimensions



#### Models available

##### Code no.

FRE 302B	White
FRE 301B	Beige

##### External

4904W	Grille - White
4904B	Grille - Brown
4904C	Grille - Cotswold
4904T	Grille - Terracotta



Do you need advice on installing your ventilation system to ensure it complies with the latest Approved Document F of the Building Regulations? Call customer services on 08443 715523.

## PASSIVE AIRBRICK

### MKII

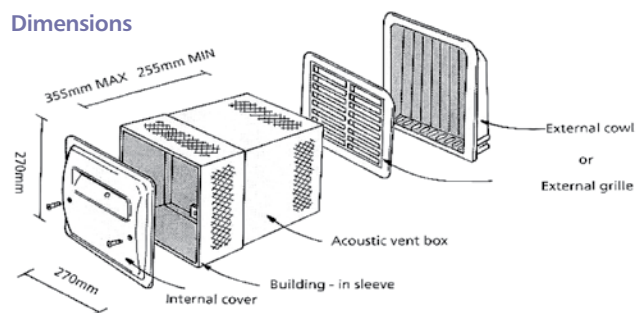


- High air-flow
- Average noise reduction of 35dB(A)
- Flush-fitting

#### Technical data

Description	MKII
Air-flow (l/s) at 0 Pa	-
Air-flow (l/s) at 10 Pa	-
Air-flow (l/s) at 30 Pa	-
Effective Free Area (Normal Flow)	-
Effective Free Area (Reversed Flow)	-
Non-Mechanical (Normal Flow)	4160
Non-Mechanical (Reversed Flow)	4800
Supply Frequency (Hz)	-
Supply Voltage (V)	-
Max Power (W)	-
Fuse (A)	-
Warranty	1 year

#### Dimensions



#### Models available

##### Code no.

FRE401B	Through wall
---------	--------------

##### Internal

909A	Cover - flap
909B	Cover - fixed inlet

##### External

FRE504A	Grille - White 200x250mm
FRE501B	Grille - Terracotta 200x251mm
FRE501A	Grille - Grey 200x252mm
FRE501D	Grille - Brown 200x253mm
FRE501C	Grille - Buff 200x253mm
FRE502A	Cowl - Grey



**FAN CONTROLS**



- For fans designed for remote switch operation
- In keeping with conventional wall furniture
- Comply with relevant EMC directives
- All remote controllers can be flush or surface mounted using a standard single pattress box

**ANC 108A**

**OVERRUN TIMER**

Adjustable time delay between 2-25 minutes after the room has been vacated

W 89mm H 89mm D 54mm\*

5 amps

**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

**ANC 831A**

**HEAVY DUTY POWER FILTER**

Recommended when fans containing electronic controls are used in conjunction with fluorescent lamps or in other situations when power pulses (spikes) are frequent

W 86mm H 86mm D 19mm\*

3 amps

**ANC812A**

**TWO SPEED ROCKER SWITCH**

Provides two speed operation for twin speed fans

W 89mm H 89mm D 54mm\*

5 amps

**ANC813A**

**PIR SWITCH WITH OVERRUN TIMER**

Activates by detecting body heat. Detection area up to 5 metres. Timer adjustable between 2-25 minutes

W 89mm H 89mm D 54mm\*

5 amps

**ANC833A**

**VARIABLE SPEED CONTROLLER**

Provides on/off and variable speed control

W 89mm H 89mm D 54mm\*

1 amp

**ANC814AHD**

**HEAVY DUTY VARIABLE SPEED CONTROLLER**

Provides on/off and variable speed control for single speed fans

W 89mm H 89mm D 54mm\*

2 amps

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

# AIR DISTRIBUTION

To ensure the products are appropriate for the intended environment and application, please refer to the application icons at the top of each page.

## Application code

---



Kitchen



Utility room



Bathroom



Commercial



Toilet



Whole house



## AIR DISTRIBUTION

Polypipe Ventilation's Domus duct range is available in 8 different profiles to suit any application.

The market leading brand in domestic ventilation ducting, the Domus range is also the widest and highest quality, with a full set of adapters to enable a simple or complex system, as required.

Performance data is available to enable specifiers to calculate and match appliance pressure to system resistance and ensure correct operation.

Use this selector to determine the correct duct system for individual fans and the main trunk duct for central ventilation systems.

Within a whole house system, branches can be installed with duct profiles appropriate to the requirements of the individual air valve, however to ensure the system can be balanced, most installations specify one profile throughout the system.

To change system, adapters are listed on page 73.

### Tips

To ensure appliance efficiency and reduce any system noise:

- Choose the shortest and most direct routes
- Minimise the use of bends and use 2 x 45° instead of 90° bends wherever possible
- Seal joints
- Use rigid round duct wherever possible
- Use the largest appropriate size of duct
- Avoid using flexible hose wherever possible
- Check the extraction capability and connection

## DUCT SELECTION

## STEP 3

Appliance duct connection size

100mm (4")			125mm (5")			150mm (6")	
What depth is available for the duct?			What depth is available for the duct?			What depth is available for the duct?	
38-60mm	60-105mm	105mm	38-65mm	65-130mm	130mm	97-155mm	155mm
<b>Domus 234x29mm</b>	<b>Domus 110x54mm</b>	<b>Domus 100mm</b>	<b>Domus 308x29mm</b>	<b>Domus 204x60mm</b>	<b>Domus 125mm</b>	<b>Domus 220x90mm</b>	<b>Domus 150mm</b>
<b>P.51</b>	<b>P.40</b>	<b>P.57</b>	<b>P.54</b>	<b>P.44</b>	<b>P.63</b>	<b>P.48</b>	<b>P.68</b>

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

Straightforward guidance on the layout and installation of duct systems is given in the Domestic Compliance Guide 2010, which accompanies Approved Document F of Building Regulations and can be downloaded from [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation) or a printed copy requested from [vent.info@polypipe.com](mailto:vent.info@polypipe.com) or 08443 715523.



### Note:

All components are listed with one of three connection profiles;

- M** Male, the fitting will fit inside duct
- F** Female, the fitting will fit around duct
- D** Duct, the connection profile is the same as the duct and may need a Female or Male straight connector to couple to duct

SYSTEM  
100

110x54mm



## DOMUS 110 X 54mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct</b>								
	Duct - 1m	DD010	40010	D	-	1.8	6.3	21.5
	Duct - 1.5m	DD015	-	D	-	2.7	9.8	32.2
	Duct - 2m	D1-2000	-	D	-	3.6	12.6	43
	Duct - Connector - Straight	DD020	40020	F	-	0.3	1.4	6.3
	Duct - Connector - Straight - Damper	DD027	40027	F	-	19.9	21.2	-
	Duct - Bend - Horizontal - 90°	DD050	40050	F	-	9.8	39.8	161.9
	Duct - Bend - Horizontal - 45°	DD055	40055	F	-	3.7	15.5	65.8
	Duct - Bend - Vertical - 90°	DD060	40060	F	-	15.6	62.8	252.7
	Duct - Bend - Vertical - 45°	DD075	40075	F	-	2.6	12.7	63
	Duct -T Piece - Horizontal	DD080	40080	F	-	-	-	-
	Duct - End Cap	DD018	-	M	-	-	-	-
	Duct - Wall Plate - White	115-4	40115	-	-	-	-	-






Domus low profile Silencers significantly reduce external traffic noise, transmitted appliance noise and room to room cross talk and are now made with Microban® foam to guarantee the life of the system. See page 45 and 49.



## DOMUS 110 X 54mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct Fixings</b>								
	Duct - Clip	122-4	40122	-	-	-	-	-
	Duct - Clip - 5 pack Universal Mounting 50 pack & Suspension System (UniBrak)	UB1005 UB1050	- -	- -	- -	- -	- -	- -
<b>Duct Insulation</b>								
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-
<b>Fire Compartment Integrity - FireBrake</b>								
	FireBrake - Intumescent Damper	DF087	-	F	-	 <ul style="list-style-type: none"> <li>Meets NHBC requirements</li> <li>Independent LABC approval</li> <li>Tested by BRE to BS476/ EN 1366-3</li> </ul>		
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	-	-	<ul style="list-style-type: none"> <li>Provides 2 hours fire protection</li> <li>Forms an integral part of Domus duct systems</li> </ul>		
<b>Duct Seals</b>								
	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - PVC - 33m Duct - Tape - PVC - 4.6m	123 123-4	- 40123	- -	- -	- -	- -	- -
<b>Flexible Hose</b>								
	Hose - 0.5m Hose - 3m	3305 333	40335 -	F F	- -	- -	- -	- -

SYSTEM  
100

110x54mm



## DOMUS 110 X 54mm









DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s

## Flexible Hose Connector

	Hose - Connector	381	-	D	-	-	-	-
---	------------------	-----	---	---	---	---	---	---

## Internal Duct Terminals

	Air Valve - Adapter	DD040	-	F/M	-	8.1	33.1	136.4
	Air Valve - Extract or Supply	136-04	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-04SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-24	40136	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-24M	-	M	-	-	-	-
	Diffuser - Multi-Directional - Environment Filter - White	4908F	-	M	2706 (Equivalent area 2857 mm <sup>2</sup> )	7.1l/s @ 10Pa Exhaust Air Heat Pump Specific		
	Diffuser - Round - White	4907W	44907W	M	-	-	-	-
	Diffuser - Round - Chrome	4907CH	-	M	-	-	-	-



Did you know that modern buildings lose 25% of heat through uncontrolled ventilation and air leakage? Polypipe's HR appliances can recover more than 92% of this wasted heat. Read more on page 9.

## DOMUS 110 X 54mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)			
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s	
<b>External Wall Duct Terminals</b>									
	Outlet - Airbrick - Adapter	DD077	40077	D/M	-	1.2	4.7	17.8	
	Outlet - Airbrick - White	 505W	40505W	F	5500	7.2	27.8	108.1	
	Brown	 505B	40505B	F	5500	7.2	27.8	108.1	
	Cotswold	 505C	-	F	5500	7.2	27.8	108.1	
	Terracotta	 505T	40505T	F	5500	7.2	27.8	108.1	
	Black	 505BK	-	F	5500	7.2	27.8	108.1	
	Outlet - Airbrick - Damper - White	 501W	-	M	6450	16.4	23.8	75.8	
	Brown	 501B	-	M	6450	16.4	23.8	75.8	
	Cotswold	 501C	-	M	6450	16.4	23.8	75.8	
	Terracotta	 501T	-	M	6450	16.4	23.8	75.8	
	Outlet - Airbrick - Damper - White - Wall Plate	 55015W	-	M	6450	16.4	23.8	75.8	
	Brown - Wall Plate	 55015B	-	M	6450	16.4	23.8	75.8	
	Outlet - Gravity Flaps - White	 4901W	44910W	M	5770	13.2	11	11.8	
	Brown	 4901B	44910B	M	5770	13.2	11	11.8	
	Cotswold	 4901C	-	M	5770	13.2	11	11.8	
	Terracotta	 4901T	44910T	M	5770	13.2	11	11.8	
	Outlet - Cowled - Damper - White	 4903W	44932W	M	5800	6.1	16.7	68.2	
	Brown	 4903B	44932B	M	5800	6.1	16.7	68.2	
	(Bulk Pack) BLK4903B				M	5800	6.1	16.7	68.2
	Cotswold	 4903C	-	M	5800	6.1	16.7	68.2	
	Terracotta	 4903T	44932T	M	5800	6.1	16.7	68.2	
	Outlet - Louvred Grille - White	 4905W	-	M	5500	4.1	15.9	61.6	
	Brown	 4905B	-	M	5500	4.1	15.9	61.6	
	Cotswold	 4905C	-	M	5500	4.1	15.9	61.6	
	Terracotta	 4905T	-	M	5500	4.1	15.9	61.6	
	Outlet - Louvred Grille - Flyscreen - White	 F4905W	44954W	M	4950	20	75.9	288.2	
	Brown	 F4905B	44954B	M	4950	20	75.9	288.2	
	Cotswold	 F4905C	-	M	4950	20	75.9	288.2	
	Terracotta	 F4905T	44954T	M	4950	20	75.9	288.2	

Square grilles and cowles 154mm<sup>2</sup>

SUPERTUBE

204x60mm




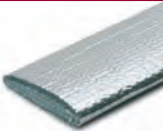

## DOMUS 204 X 60mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct</b>								
	Duct - 1m	510	50510	D	-	0.5	1.5	5.2
	Duct - 1.5m	515	-	D	-	0.8	2.3	7.8
	Duct - 2m	D3-2000	-	D	-	1	3	10.4
	Duct - Connector - Straight	520	50520	F	-	0.1	0.4	1.5
	Duct - Connector - Straight - Damper	527	50527	F	-	21.9	41.1	0
	Duct - Connector - Universal	5B303	-	M	-	-	-	-
	Duct - Bend - Horizontal - 90°	550	50550	F	-	2.1	8.4	33.7
	Duct - Bend - Horizontal - 45°	555	50555	F	-	0.6	2.7	13.2
	Duct - Bend - Horizontal - Adjustable	545	-	F	-	0.7	2.1	6.3
	Duct - Bend - Vertical - 90°	560	50560	F	-	2.6	10.8	44.3
	Duct - Bend - Vertical - 45°	575	50575	F	-	0.6	2.7	13.4
	Duct - T Piece - Horizontal	582	50582	F	-	-	-	-
	Duct - End Cap	518	-	M	-	-	-	-
	Duct - Wall Plate - White	115-5W	50115	-	-	-	-	-
	Brown	115-5B	-	-	-	-	-	-
	Cotswold	115-5C	-	-	-	-	-	-
	Terracotta	115-5T	-	-	-	-	-	-

## DOMUS 204 X 60mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct Fixings</b>								
	Duct - Clip	122-5	50122	-	-	-	-	-
	Duct - Clip - 5 pack Universal Mounting 50 pack & Suspension System (UniBrak)	UB1005 UB1050	- -	- -	- -	- -	- -	- -
<b>Duct Insulation</b>								
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-
<b>Duct Sound Attenuation</b>								
	Duct - Silencer - 0.5m	5SL05	-	F	-	0.25	0.75	2.6
	Duct - Silencer - 1.0m	5SL10	-	F	-	0.5	1.5	5.2
	Duct - Silencer - 1.5m	5SL15	-	F	-	0.75	2.25	7.8
	For further information go to P47							
<b>Fire Compartment Integrity - FireBrake</b>								
	FireBrake - Intumescent Damper	587	-	F	-	<ul style="list-style-type: none"> <li>■ Meets NHBC requirements</li> <li>■ Independent LABC approval</li> <li>■ Tested by BRE to BS476/ EN 1366-3</li> <li>■ Provides 2 hours fire protection</li> <li>■ Forms an integral part of Domus duct systems</li> </ul>		
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	F	-			
<b>Duct Seals</b>								
	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - PVC - 33m	123	-	-	-	-	-	-
	Duct - Tape - PVC - 4.6m	123-4	40123	-	-	-	-	-



SUPERTUBE

204x60mm



## DOMUS 204 X 60mm

DOMUS

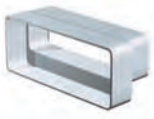






Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)			
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s	
<b>Flexible Hose</b>									
	Hose - 0.5m	5305	50535	M	-	-	-	-	
	Hose - 0.5m - Domus 125mm fitting	5505	-	M	-	-	-	-	
	Hose - 3m	533	-	M	-	-	-	-	
	Hose - 3m - Domus 125mm fitting	5533	-	M	-	-	-	-	
<b>Flexible Hose Connector</b>									
	Hose - Connector	581	-	D	-	-	-	-	
<b>Internal Duct Terminals</b>									
	Air Valve - Adapter	540	-	F/M	-	-	-	-	
	Air Valve - Extract or Supply	136-05	-	M	-	-	-	-	
	Air Valve - Extract or Supply - Stainless Steel	136-05SS	-	M	-	-	-	-	
	Air Valve - Extract or Supply - Suspended Ceiling	136-25	50136	M	-	-	-	-	
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-25M	-	M	-	-	-	-	
	Diffuser - Round - White	5907W	55907W	M	-	-	-	-	

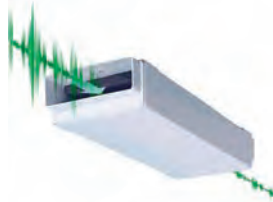


Specifying a whole house ventilation system? Let us do it for you by logging on to [www.polypipevsp.com](http://www.polypipevsp.com)

## DOMUS 204 X 60mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>External Wall Duct Terminals</b>								
	Outlet - Airbrick - 204x60-220x90 - Adapter	957	-	M/F	-	45.8	186.6	431.8
	Outlet - Airbrick - 220x90-Double Airbrick - Adapter	977	-	M	-	20.8	74.1	173
	Outlet - Airbrick - Double - White Brown Cotswold Terracotta	 905W  905B  905C  905T	- - - -	F F F F	15175 15175 15175 15175	14.8 14.8 14.8 14.8	61.1 61.1 61.1 61.1	103.3 103.3 103.3 103.3

DUCT  
SILENCER

- Significantly reduces transmitted appliance noise and room-to-room cross-talk
- Excellent sound attenuating properties verified by the Sound Research Laboratory
- Facilitates user acceptance of continuous running of energy-efficient central ventilation systems
- Enables compliance with Building Regulations
- Low profile increases installation options when compared to traditional solutions
- Corrosion-proof, lightweight and easy to install
- Contains Microban antimicrobial additive to ensure the ventilation system remains fresh for the lifetime of the system
- European-wide protected design
- Available in three lengths

MEGADUCT

220x90mm



DOMUS 220 X 90mm

DOMUS



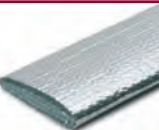

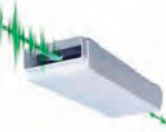




Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@60l/s	@120l/s	@180l/s
<b>Duct</b>								
	Duct - 1m	910	-	M	-	1.0	3.3	6.8
	Duct - 1.5m	915	-	M	-	1.4	4.9	10.2
	Duct - 2m	D4-2000	-	M	-	-	-	-
	Duct - Connector - Straight	920	-	F	-	-	-	-
	Duct - Connector - Straight - Damper	927	-	F	-	23.5	29.2	49.3
	Duct - Bend - Horizontal - 90°	950	-	F	-	9.0	35.70	79.6
	Duct - Bend - Horizontal - 45°	955	-	F	-	4.6	19.74	46.5
	Duct - Bend - Vertical - 90°	960	-	F	-	7.0	28.80	65.90
	Duct - Bend - Vertical - 45°	975	-	F	-	6.0	26.76	64.2
	Duct - T Piece - Horizontal	982	-	F	-	-	-	-
	Duct - Wall Plate - White	115-6	-	F	-	-	-	-



Try to use 45 degree bends in duct systems instead of 90 degree bends as they are up to 3 times more efficient.

## DOMUS 220 X 90mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@60l/s	@120l/s	@180l/s
<b>Duct Fixings</b>								
	Duct - Clip	922	-	-	-	-	-	-
	Duct - Clip - 5 pack Universal Mounting 50 pack & Suspension System (UniBrak)	UB1005 UB1050	- -	- -	- -	- -	- -	- -
<b>Duct Insulation</b>								
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-
<b>Duct Sound Attenuation</b>								
	Duct - Silencer - 0.5m Duct - Silencer - 1.0m Duct - Silencer - 1.5m For further information go to P47	9SL05 9SL10 9SL15	- - -	F F F	- - -	0.5 1.0 1.4	1.7 3.3 4.9	3.4 6.8 10.2
<b>Fire Compartment Integrity - FireBrake</b>								
	FireBrake - Intumescent Damper	987	-	F	-	<ul style="list-style-type: none"> <li>■ Meets NHBC requirements</li> <li>■ Independent LABC approval</li> <li>■ Tested by BRE to BS476/ EN 1366-3</li> <li>■ Provides 2 hours fire protection</li> <li>■ Forms an integral part of Domus duct systems</li> </ul>		
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	F	-			
<b>Duct Seals</b>								
	Duct - Sealant	DDSEAL	-	F	-	-	-	-
	Duct - Tape - PVC - 33m Duct - Tape - PVC - 4.6m	123 123-4	- 40123	F F	- -	- -	- -	- -

MEGADUCT

220x90mm




## DOMUS 220 X 90mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@60l/s	@120l/s	@180l/s

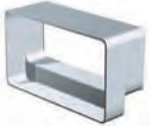

## Flexible Hose

	Hose - 0.5m	9305	-	F	-	-	-	-
	Hose - 3m	933	-	F	-	-	-	-

## Internal Duct Terminals

	Air Valve - Adapter	961	-	M/F	-	9.0	34.00	75.0
	Air Valve - Extract or Supply	136-06	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-06SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-26	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-26M	-	M	-	-	-	-
	Diffuser - Round - White	6907W	-	M	-	-	-	-

## External Wall Duct Terminals

	Outlet - Airbrick - 220x90-Double Airbrick - Adapter	977	-	F	-	20.8	75.1	173.0
	White	905W	-	F	15175	14.8	61.1	103.3
	Brown	905B	-	F	15175	14.8	61.1	103.3
	Cotswold	905C	-	F	15175	14.8	61.1	103.3
	Terracotta	905T	-	F	15175	14.8	61.1	103.3





## DOMUS 234 X 29mm

**DOMUS**

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15/s	@30/s	@60/s
<b>Duct</b>								
	Duct - 1m	2001	-	M	-	4.2	15.4	57.2
	Duct - 1.5m	20150	-	M	-	6.2	23.1	85.8
	Duct - 2m	20200	-	M	-	8.3	30.8	114.3
	Duct - Connector - Straight	2006	-	F	-	-	-	-
	Duct - Bend - Horizontal - 90°	2007	-	F	-	10.20	97.3	139.1
	Duct - Bend - Horizontal - 45°	2008	-	F	-	1.2	4.8	19.1
	Duct - Bend - Vertical - 90°	2010	-	F	-	5.5	19.9	72.7
	Duct - Bend - Vertical - 45°	2011	-	F	-	4.5	8.6	29.7
<b>Duct Fixings</b>								
	Duct - Clip	2014	-	-	-	-	-	-
	Duct - Clip - 5 pack	UB1005	-	-	-	-	-	-
	Universal Mounting & Suspension System (UniBrak) 50 pack	UB1050	-	-	-	-	-	-
<b>Duct Insulation</b>								
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-





## DOMUS 234 X 29mm

DOMUS



Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15/s	@30/s	@60/s

## Fire Compartment Integrity - FireBrake










	FireBrake - Intumescent Damper	2087	-	F	-	<ul style="list-style-type: none"> <li>Meets NHBC requirements</li> <li>Independent LABC approval</li> <li>Tested by BRE to BS476/ EN 1366-3</li> </ul>		
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	-	-	<ul style="list-style-type: none"> <li>Provides 2 hours fire protection</li> <li>Forms an integral part of Domus duct systems</li> </ul>		

## Duct Seals

	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - PVC - 33m	123	-	-	-	-	-	-
	Duct - Tape - PVC - 4.6m	123-4	40123	-	-	-	-	-

## Internal Duct Terminals









	Air Valve - Adapter	2013	-	M/F	-	7.9	31.5	126.0
	Air Valve - Extract or Supply	136-04	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-04SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-24	40136	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-24M	-	M	-	-	-	-
	Diffuser - Multi-Directional - Environment Filter - White	4908F	-	M	2706 (Equivalent area 2857 mm <sup>2</sup> )	7.1/s @ 10Pa Exhaust Air Heat Pump Specific		
	Diffuser - Round - White	4907W	44907W	M	-	-	-	-
	Diffuser - Round - Chrome	4907CH	-	M	-	-	-	-

## DOMUS 234 X 29mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15/s	@30/s	@60/s

## External Wall Duct Terminals

	Outlet - Airbrick - Fascia - Adapter	2016	-	F	-	-	-	-
	Outlet - Airbrick - Fascia							
	White	 2316W	-	M	5500	7.7	29.9	115.8
	Brown	 2316B	-	M	5500	7.7	29.9	115.8
	Cotswold	 2316C	-	M	5500	7.7	29.9	115.8
	Terracotta	 2316T	-	M	5500	7.7	29.9	115.8
	Grey	 2316G	-	M	5500	7.7	29.9	115.8
Black	 2316BK	-	M	5500	7.7	29.9	115.8	



## TECHNICAL TIPS...

- Always insulate ducts installed in cold spaces to avoid condensation forming inside
- Remember to specify FireBrake products where duct is installed through fire compartment walls. Patented Firebrake offers 2 hours fire protection, and is available as part of all Domus duct systems
- Where space is available use circular rigid duct for greater efficiency
- Did you know that the installation of condensation traps is recommended in both Building Regulations and NHBC Standards? If you would like to read more on Polypipe's Condensation Traps then please go to pages 58, 64 and 69 or call 08443 715523.










## DOMUS 308 X 29mm



DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15/s	@30/s	@60/s

## Duct

	Duct - 1m	3001	-	M	-	2.3	8.4	31.6
	Duct - 1.5m	30150	-	M	-	3.4	12.7	47.5
	Duct - 2m	30200	-	M	-	4.5	16.9	63.3
	Duct - Connector - Straight	3006	-	F	-	-	-	-
	Duct - Bend - Horizontal - 90°	3007	-	F	-	2.6	10.4	41.5
	Duct - Bend - Horizontal - 45°	3008	-	F	-	1.1	4.1	14.7
	Duct - Bend - Vertical - 90°	3010	-	F	-	3.1	11.5	42.6
	Duct - Bend - Vertical - 45°	3011	-	F	-	2.2	7.7	26.6
	Duct - Y Piece	3015	-	F	-	-	-	-

## Duct Fixings

	Duct - Clip	2014	-	-	-	-	-	-
	Duct - Clip - 5 pack	UB1005	-	-	-	-	-	-
	Universal Mounting & Suspension System (UniBrak) - 50 pack	UB1050	-	-	-	-	-	-



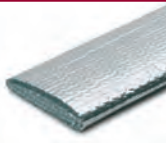

Currently a Domus or Silavent customer and interested in knowing more about the wider Polypipe Ventilation offer? Call 08443 715523 to find out how we can help you.

## DOMUS 308 X 29mm

DOMUS



Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15/s	@30/s	@60/s

## Duct Insulation



	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-

## Fire Compartment Integrity - FireBrake



	FireBrake - Intumescent Damper	3087	-	F	-	<ul style="list-style-type: none"> <li>■ Meets NHBC requirements</li> <li>■ Independent LABC approval</li> <li>■ Tested by BRE to BS476/ EN 1366-3</li> <li>■ Provides 2 hours fire protection</li> <li>■ Forms an integral part of Domus duct systems</li> </ul>
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	-	-	

## Duct Seals

	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - PVC - 33m	123	-	-	-	-	-	-
	Duct - Tape - PVC - 4.6m	123-4	40123	-	-	-	-	-



Always attempt to position supply and extract grilles/valves in the ceiling and as far as possible from the door in order to provide maximum air circulation.













## DOMUS 308 X 29mm

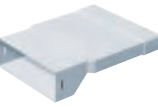

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s

## Internal Duct Terminals

	Air Valve - Adapter	3013	-	F	-	4.3	15.8	58.9
	Air Valve - Extract or Supply	136-04	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-04SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-24	40136	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-24M	-	M	-	-	-	-
	Diffuser - Multi-Directional - Environment Filter - White	4908F	-	M	2706 (Equivalent area 2857 mm <sup>2</sup> )	7.1l/s @ 10Pa Exhaust Air Heat Pump Specific		
	Diffuser - Round - White	4907W	44907W	M	-	-	-	-
	Diffuser - Round - Chrome	4907CH	-	M	-	-	-	-

## External Wall Duct Terminals

	Outlet - Airbrick - Fascia - Adapter	3016	-	F	-	-	-	-
	Outlet - Airbrick - Fascia							
	White	2316W	-	M	5500	7.7	29.9	115.8
	Brown	2316B	-	M	5500	7.7	29.9	115.8
	Cotswold	2316C	-	M	5500	7.7	29.9	115.8
	Terracotta	2316T	-	M	5500	7.7	29.9	115.8
	Grey	2316G	-	M	5500	7.7	29.9	115.8
	Black	2316BK	-	M	5500	7.7	29.9	115.8













Background ventilation is required for intermittent extract fans and MEV systems. For air supply kits, see page 76.



DOMUS ø100mm



Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct</b>								
	Duct - 0.25-0.45m - Telescopic Assembly	130-4	-	-	-	-	-	-
	Duct - 0.35m	135-4	40135	F	-	0.2	0.5	1.1
	Duct - 1m	1100-4	41100	F	-	0.5	1.4	3.1
	Duct - 1m - Sleeve	2100-4	-	-	-	0.5	1.4	3.1
	Duct - 2m	1200-4	-	F	-	1.0	2.8	6.2
	Duct - Connector - Straight	493	40493	M	-	0.9	4.2	20.4
	Duct - Connector - Straight - Damper	494	40494	M	-	25.0	44.9	101.6
	Duct - Connector - Straight - Damper & Wall Plate	495	-	M	-	25.0	44.9	101.6
	Duct - Bend - Horizontal - 90°	490	40490	M	-	5.6	21.1	80.1
	Duct - Bend - Horizontal - 45°	491	40491	M	-	2.1	8.2	31.4
	Duct - T Piece - Horizontal	492	40492	M	-	-	-	-
	Duct - Y Piece	499	-	M	-	-	-	-
	Duct - Wall Plate - White	114-4	40114	F	-	-	-	-

EASIPIPE  
100

ø100mm





DOMUS ø100mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s





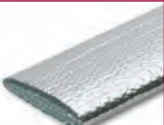
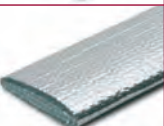

## Duct Fixings

	Duct - Clip	496	40496	-	-	-	-	-
	Duct - Clip - 5 pack	UB1005	-	-	-	-	-	-
	Universal Mounting & Suspension System (UniBrak) 50 pack	UB1050	-	-	-	-	-	-

## Condensation Control

	Duct - Condensation Trap with Overflow <small>(For technical guidance on this product see illustration on page 62)</small>	497	40497	F	-	1.3	5.9	26.9
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## Duct Insulation

	Duct - Insulated - 1m	4TP100	-	F	-	0.5	1.4	3.1
	Duct - Insulated - 2m	4TP200	-	F	-	1.0	2.8	6.2
	Duct - Insulated - Bend - Horizontal - 90°	4TP90	-	M	-	5.6	21.1	80.1
	Duct - Insulated - Bend - Horizontal - 45°	4TP91	-	M	-	2.1	8.2	31.4
	Duct - Insulated - T Piece - Horizontal	4TP92	-	M	-	-	-	-
	Insulation - Sleeve - 2m	4TP2SL	-	-	-	-	-	-
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-

## DOMUS ø100mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Fire Compartment Integrity - FireBrake</b> 								
	FireBrake - Intumescent Damper	488	-	M	-	-	-	-
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	-	-	-	-	-
						<ul style="list-style-type: none"> <li>■ Meets NHBC requirements</li> <li>■ Independent LABC approval</li> <li>■ Tested by BRE to BS476/ EN 1366-3</li> <li>■ Provides 2 hours fire protection</li> <li>■ Forms an integral part of Domus duct systems</li> </ul>		
<b>Duct Seals</b>								
	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-
	Duct - Tape - PVC - 33m	123	-	-	-	-	-	-
	Duct - Tape - PVC - 4.6m	123-4	40123	-	-	-	-	-
<b>Flexible Hose</b>								
	Hose - 1m	361	40361	F	-	-	-	-
	Hose - 1m - Bulk pack	(Bulk Pack) 361/120		F	-	-	-	-
	Hose - 3m	363	40363	F	-	-	-	-
	Duct - Tape - PVC - 4.6m	(Bulk Pack) 363/40		F	-	-	-	-
	Hose - 6m	366	-	F	-	-	-	-
	Hose - 6m - Bulk pack	(Bulk Pack) 366/20		F	-	-	-	-
	Hose - 15m	3615	-	F	-	-	-	-
	Hose - 15m - Bulk pack	(Bulk Pack) 3615/8		F	-	-	-	-
	Hose - 45m	3645	-	F	-	-	-	-
	Hose - Insulated - 10m	4210	-	F	-	-	-	-
<b>Hose Connectors</b>								
	Hose - Connector	380	-	M	-	-	-	-
	Hose - Connector - Threaded - Socket	126-4	40126	F	-	-	-	-
	Hose - Connector - Threaded - Spigot	124-4	40124	M	-	-	-	-

EASIPIPE  
100

ø100mm



## DOMUS ø100mm
























DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Aluminium Duct</b>								
	Aluminium Duct - 0.3m	403203	-	F	-	-	-	-
	Aluminium Duct - 1.5m	403215	-	F	-	-	-	-
	Aluminium Duct - 3m	403230	-	F	-	-	-	-
	Aluminium - Duct Clip	127-4	40127	-	-	-	-	-
<b>Insulated Hose and Aluminium Duct Fixings</b>								
	Hose - Clip	125-4	40125	90-110	-	-	-	-
	Hose Clip - Universal	125-UNI	-	65-215	-	-	-	-
<b>Internal Duct Terminals</b>								
	Air Valve - Extract or Supply	136-04	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-04SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-24	40136	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-24M	-	M	-	-	-	-
	Diffuser - Multi-Directional - Environment Filter - White	4908F	-	M	2706 (Equivalent area 2857 mm <sup>2</sup> )	7.1l/s @ 10Pa Exhaust Air Heat Pump Specific		
	Diffuser - Round - White	4907W	44907W	M	-	-	-	-
	Diffuser - Round - Chrome	4907CH	-	M	-	-	-	-



## DOMUS ø100mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)			
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s	
	Outlet - Gravity Flaps - White		4900W	44910W	M	7200	9.2	10.8	11.4
			(Bulk Pack) BLK4900W		M	7200	9.2	10.8	11.4
	Brown		4900B	44910B	M	7200	9.2	10.8	11.4
			(Bulk Pack) BLK4900B		M	7200	9.2	10.8	11.4
	Cotswold		4900C	-	M	7200	9.2	10.8	11.4
	Terracotta		4900T	44910T	M	7200	9.2	10.8	11.4
	Black		-	44900BK	M	7200	9.2	10.8	11.4
			(Bulk Pack) BLK4900BK		M	7200	9.2	10.8	11.4
	Outlet - Cowled - Damper - White		4902W	44932W	M	7230	6.7	12.5	41.6
			(Bulk Pack) BLK4902W		M	7230	6.7	12.5	41.6
	Brown		4902B	44932B	M	7230	6.7	12.5	41.6
			(Bulk Pack) BLK4902B		M	7230	6.7	12.5	41.6
	Cotswold		4902C	-	M	7230	6.7	12.5	41.6
	Terracotta		4902T	44932T	M	7230	6.7	12.5	41.6
	Black		-	44902BK	M	7230	6.7	12.5	41.6
			(Bulk Pack) BLK4902BK		M	7230	6.7	12.5	41.6
	Outlet - Louvred Grille - White		4904W	-	M	6500	2.0	7.9	30.4
			(Bulk Pack) BLK4904W		M	6500	2.0	7.9	30.4
	Brown		4904B	-	M	6500	2.0	7.9	30.4
			(Bulk Pack) BLK4904B		M	6500	2.0	7.9	30.4
	Cotswold		4904C	-	M	6500	2.0	7.9	30.4
	Terracotta		4904T	-	M	6500	2.0	7.9	30.4
	Black		44904BK	-	M	6500	2.0	7.9	30.4
			(Bulk Pack) BLK4904BK		M	6500	2.0	7.9	30.4
	Outlet - Louvred Grille - Flyscreen - White		F4904W	44954W	M	5850	9.9	37.1	138.7
			(Bulk Pack) BLK4900W		M	5850	9.9	37.1	138.7
	Brown		F4904B	44954B	M	5850	9.9	37.1	138.7
			(Bulk Pack) BLKF4904B		M	5850	9.9	37.1	138.7
	Cotswold		F4904C	-	M	5850	9.9	37.1	138.7
	Terracotta		F4904T	44954T	M	5850	9.9	37.1	138.7
	Black		(Bulk Pack) BLKF4904BK		M	5850	9.9	37.1	138.7
			(Bulk Pack) BLKF4904BK		M	5850	9.9	37.1	138.7
	Outlet - Louvred Grille - Damper - White		4994W	-	M	5125	19.8	36.6	96.0
	Brown		4994B	-	M	5125	19.8	36.6	96.0
	Cotswold		4994C	-	M	5125	19.8	36.6	96.0
	Terracotta		4994T	-	M	5125	19.8	36.6	96.0
			(Bulk Pack) BLKF4904BK		M	5125	19.8	36.6	96.0

Square grilles and cowles 154mm<sup>2</sup>

To download any Polypipe Ventilation literature,  
visit [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation)

EASPIPE  
100

ø100mm












DOMUS ø100mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s

## External Wall Duct Terminals

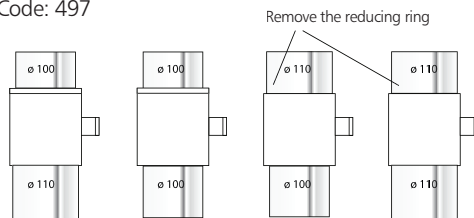
	Outlet - Louvre Soffit Vent - Round - White		4804W	44804W	M	4200	13.3	53.0	211.2
	Brown		4804B	44804B	M	4200	13.3	53.0	211.2
	Cotswold		4804C	-	M	4200	13.3	53.0	211.2
	Terracotta		4804T	-	M	4200	13.3	53.0	211.2
	Outlet - Louvre Soffit Vent - Round - Flyscreen - White		F4804W	F44804W	M	3350	21.5	86.4	346.5
Brown		F4804B	F44804B	M	3350	21.5	86.4	346.5	
Cotswold		F4804C	-	M	3350	21.5	86.4	346.5	
Terracotta		F4804T	-	M	3350	21.5	86.4	346.5	

## External Roof Duct Terminals

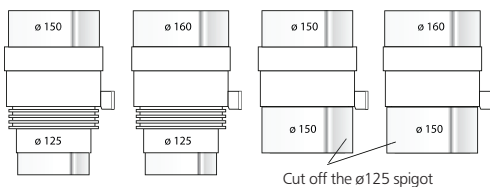
	Roof Cowl - Universal	4411	-	M	-	-	-	-
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## Condensation trap pipe combinations

Code: 497



Code: 5697



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.











EASPIPE  
125

ø125mm



DOMUS ø125mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct</b>								
	Duct - 0.25-0.45m - Telescopic Assembly	130-5	-	-	-	-	-	-
	Duct - 0.35m	135-5	50135	F	-	0.1	0.3	0.7
	Duct - 1m	1100-5	51100	F	-	0.2	0.7	1.9
	Duct - 1m - Sleeve	2100-5	-	-	-	0.2	0.7	1.9
	Duct - 2m	1200-5	-	F	-	0.4	1.4	3.8
	Duct - Connector - Straight	593	50593	M	-	0.2	0.9	4.3
	Duct - Connector - Straight - Damper	594	50594	M	-	18.3	31.5	61.7
	Duct - Connector - Straight - Damper & Wall Plate	595	-	M	-	18.3	31.5	61.7
	Duct - Bend - Horizontal - 90°	590	50590	M	-	2.0	8.4	34.9
	Duct - Bend - Horizontal - 45°	591	50591	M	-	0.7	2.9	12.2
	Duct -T Piece - Horizontal	592	50592	M	-	-	-	-
	Duct - Y Piece - Metal	599M	-	M	-	-	-	-
	Duct - Wall Plate - White	114-5	50114	F	-	-	-	-

EASIPIPE  
125

ø125mm





DOMUS ø125mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s





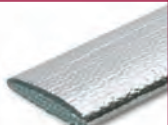
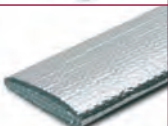

## Duct Fixings

	Duct - Clip	596	50596	-	-	-	-	-
	Duct - Clip - Universal Mounting & Suspension System (UniBrak)	5 pack UB1005 50 pack UB1050	- -	- -	- -	- -	- -	- -

## Condensation Control

	Duct - Condensation Trap with Overflow <small>(For technical guidance on this product see illustration on page 62)</small>	5697	-	M	-	-	-	-
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## Duct Insulation

	Duct - Insulated - 1m Duct - Insulated - 2m	5TP100 5TP200	- -	F F	- -	0.2 0.4	0.7 1.4	1.9 3.8
	Duct - Insulated - Bend - Horizontal - 90°	5TP90	-	M	-	2.0	8.4	34.9
	Duct - Insulated - Bend - Horizontal - 45°	5TP91	-	M	-	0.7	2.9	12.2
	Duct - Insulated -T Piece - Horizontal	5TP92	-	M	-	-	-	-
	Insulation - Sleeve - 2m	5TP2SL	-	-	-	-	-	-
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-





**DOMUS ø125mm**





Product type	Description	Code		Connection (Male/Duct/Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s

**Fire Compartment Integrity - FireBrake**





	FireBrake - Intumescent Damper	588	-	F	-				<ul style="list-style-type: none"> <li>■ Meets NHBC requirements</li> <li>■ Independent LABC approval</li> <li>■ Tested by BRE to BS476/EN 1366-3</li> <li>■ Provides 2 hours fire protection</li> <li>■ Forms an integral part of Domus duct systems</li> </ul>
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	-	-				



**Duct Seals**

	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-
	Duct - Tape - PVC - 33m	123	-	-	-	-	-	-
	Duct - Tape - PVC - 4.6m	123-4	40123	-	-	-	-	-

**Flexible Hose**

	Hose - 1m	561	50561	F	-	-	-	-
	Hose - 3m	563	50563	F	-	-	-	-
	Hose - 6m	566	-	F	-	-	-	-
	Hose - 15m	5615	-	F	-	-	-	-
	Hose - Insulated - 10m	5210	-	F	-	-	-	-

**Hose Connectors**

	Hose - Connector	580	-	M	-	-	-	-
	Hose - Connector - Threaded - Socket	126-5	50126	F	-	-	-	-



Polypipe Ventilation offers a range of technical support, from a telephone hot-line, schedule drawings or bespoke CAD system design, through to on-site technical assistance. For more information on any of these services, call 08443 715523.



EASPIPE  
125

ø125mm





DOMUS ø125mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s






## Aluminium Duct

	Aluminium Duct - 0.3m	503203	-	F	-	-	-	-
	Aluminium Duct - 1.5m	503215	-	F	-	-	-	-
	Aluminium Duct - 3m	503230	-	F	-	-	-	-
	Aluminium - Duct Clip	127-5	50127	-	-	-	-	-

## Insulated Hose and Aluminium Duct Fixings

	Hose - Clip	125-5	-	120-140	-	-	-	-
	Hose - Clip	-	50125	120-141	-	-	-	-
	Hose Clip - Universal	125-UNI	-	65-215	-	-	-	-

## Internal Duct Terminals

	Air Valve - Extract or Supply	136-05	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-05SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-25	50136	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-25M	-	M	-	-	-	-
	Diffuser - Round - White	5907W	55907W	M	-	-	-	-



Always seal duct joints to avoid condensate leakage and maintain optimal air-flow.



**DOMUS ø125mm**



Product type	Description	Code		Connection (Male/Duct/Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s

**External Wall Duct Terminals**

	Outlet - Gravity Flaps - White		5900W	55900W	M	11200	6.7	9.9	12.7
	Brown		5900B	55900B	M	11200	6.7	9.9	12.7
	Cotswold		5900C	-	M	11200	6.7	9.9	12.7
	Terracotta		5900T	-	M	11200	6.7	9.9	12.7
	Outlet - Cowled - Damper - White		5902W	55902W	M	11500	5.8	7.7	13.1
	Brown		5902B	55902B	M	11500	5.8	7.7	13.1
	Cotswold		5902C	-	M	11500	5.8	7.7	13.1
	Terracotta		5902T	-	M	11500	5.8	7.7	13.1
	Outlet - Louvred Grille - White		5904W	-	M	11500	0.6	2.1	7.7
	Brown		5904B	-	M	11500	0.6	2.1	7.7
	Cotswold		5904C	-	M	11500	0.6	2.1	7.7
	Terracotta		5904T	-	M	11500	0.6	2.1	7.7
	Outlet - Louvred Grille - Flyscreen - White		F5904W	55904W	M	9200	2.0	7.1	24.6
	Brown		F5904B	55904B	M	9200	2.0	7.1	24.6
	Cotswold		F5904C	-	M	9200	2.0	7.1	24.6
	Terracotta		F5904T	-	M	9200	2.0	7.1	24.6

**External Roof Duct Terminals**

	Roof Cowl - Universal		4411	-	-	-	-	-	-
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Square grilles and cowles 200mm<sup>2</sup>



Available as part of all round systems, Thermapipe pre-insulated duct prevents the build up of condensation when routed through unheated space whilst maintaining superb air-flow performance.






EASPIPE  
150

ø150mm



DOMUS ø150mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct</b>								
	Duct - 0.25-0.45m - Telescopic Assembly	130-6	-	-	-	-	-	-
	Duct - 0.35m	135-6	-	F	-	0.0	0.1	0.4
	Duct - 1m	1100-6	-	F	-	0.1	0.4	1.2
	Duct - 1m - Sleeve	2100-6	-	-	-	0.1	0.4	1.2
	Duct - 2m	1200-6	-	F	-	0.2	0.8	2.4
	Duct - Connector - Straight	693	-	M	-	0.1	0.2	1.1
	Duct - Connector - Straight - Damper	694	-	M	-	13.6	23.5	43.6
	Duct - Connector - Straight - Damper & Wall Plate	695	-	M	-	13.6	23.5	43.6
	Duct - Bend - Horizontal - 90°	690	-	M	-	1.0	4.2	18.2
	Duct - T Piece - Horizontal - Metal	692M	-	M	-	-	-	-
	Duct - Y Piece - Metal	699M	-	M	-	-	-	-
	Duct - Wall Plate - White	114-6	-	F	-	-	-	-



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## DOMUS ø150mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Duct Fixings</b>								
	Duct - Clip	696	-	-	-	-	-	-
	Duct - Clip - 5 pack Universal Mounting 50 pack & Suspension System (UniBrak)	UB1005 UB1050	- -	- -	- -	- -	- -	- -
<b>Condensation Control</b>								
	Duct - Condensation Trap with Overflow <small>(For technical guidance on this product see illustration on page 62)</small>	5697	-	M/F	-	-	-	-
<b>Duct Insulation</b>								
	Duct - Insulated - 1m Duct - Insulated - 2m	6TP100 6TP200	- -	F F	- -	0.1 0.2	0.4 0.8	1.2 2.4
	Duct - Insulated - Bend - Horizontal - 90°	6TP90	-	F	-	1.0	4.2	18.2
	Duct - Insulated - T Piece - Horizontal - Metal	6TP92M	-	F	-	-	-	-
	Insulation - Sleeve - 2m	6TP2SL	-	-	-	-	-	-
	Insulation - Sheet - 1m x 1.2m	10TP12	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-

EASIPIPE  
150

ø150mm





DOMUS ø150mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s



## Fire Compartment Integrity - FireBrake




	FireBrake - Intumescent Damper	688	-	F	-	-	-	-
	FireBrake - Acoustic Intumescent Mastic, 310ml	MAS87	-	-	-	-	-	-

- Meets NHBC requirements
- Independent LABC approval
- Tested by BRE to BS476/ EN 1366-3
- Provides 2 hours fire protection
- Forms an integral part of Domus duct systems



## Duct Seals

	Duct - Sealant	DDSEAL	-	-	-	-	-	-
	Duct - Tape - Aluminium - 45m	50TP45	-	-	-	-	-	-
	Duct - Tape - PVC - 33m	123	-	-	-	-	-	-
	Duct - Tape - PVC - 4.6m	123-4	40123	-	-	-	-	-

## Flexible Hose

	Hose - 1m	661	-	F	-	-	-	-
	Hose - 3m	663	-	F	-	-	-	-
	Hose - 6m	666	-	F	-	-	-	-
	Hose - 15m	6615	-	F	-	-	-	-
	Hose - Insulated - 10m	6210	-	F	-	-	-	-

## Hose Connectors

	Hose - Connector	680	-	M	-	-	-	-
	Hose - Connector - Threaded - Socket	126-6	-	F	-	-	-	-



## DOMUS ø150mm

DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s
<b>Aluminium Duct</b>								
	Aluminium Duct - 0.3m	603203	-	F	-	-	-	-
	Aluminium Duct - 1.5m	603215	-	F	-	-	-	-
	Aluminium Duct - 3m	603230	-	F	-	-	-	-
	Aluminium - Duct Clip	127-6	-	-	-	-	-	-
<b>Insulated Hose and Aluminium Duct Fixings</b>								
	Hose - Clip	125-6	-	-	-	-	-	-
	Hose Clip - Universal	125-UNI	-	-	-	-	-	-
<b>Internal Duct Terminals</b>								
	Air Valve - Extract or Supply	136-06	-	M	-	-	-	-
	Air Valve - Extract or Supply - Stainless Steel	136-06SS	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling	136-26	-	M	-	-	-	-
	Air Valve - Extract or Supply - Suspended Ceiling - Fire Rated	136FR-26M	-	M	-	-	-	-
	Diffuser - Round - White	6907W	-	M	-	-	-	-

EASIPIPE  
150

ø150mm





















DOMUS ø150mm


DOMUS

Product type	Description	Code		Connection (Male/Duct/ Female)	Free Area (mm <sup>2</sup> )	Pressure loss (Pa)		
		Boxed	Retail pack			@15l/s	@30l/s	@60l/s

## External Wall Duct Terminals

	Outlet - Gravity Flaps - White		6900W	-	M	16000	5.9	8.5	11.4
	Brown		6900B	-	M	16000	5.9	8.5	11.4
	Cotswold		6900C	-	M	16000	5.9	8.5	11.4
	Terracotta		6900T	-	M	16000	5.9	8.5	11.4
	Outlet - Cowled - Damper - White		6902W	-	M	16500	5.3	8.0	14.5
	Brown		6902B	-	M	16500	5.3	8.0	14.5
	Cotswold		6902C	-	M	16500	5.3	8.0	14.5
	Terracotta		6902T	-	M	16500	5.3	8.0	14.5
	Outlet - Louvred Grille - White		6904W	-	M	16500	0.5	1.8	6.3
	Brown		6904B	-	M	16500	0.5	1.8	6.3
	Cotswold		6904C	-	M	16500	0.5	1.8	6.3
	Terracotta		6904T	-	M	16500	0.5	1.8	6.3
	Outlet - Louvred Grille - Flyscreen - White		F6904W	-	M	13200	1.6	5.2	17.4
	Brown		F6904B	-	M	13200	1.6	5.2	17.4
	Cotswold		F6904C	-	M	13200	1.6	5.2	17.4
	Terracotta		F6904T	-	M	13200	1.6	5.2	17.4

## External Roof Duct Terminals

	Roof Cowl - Universal	4411	-	F	-	-	-	-
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Square grilles and cowles 200mm<sup>2</sup>

Do you have a technical question that needs answering?  
Call our customer service team on 08443 715523.



ADAPTERS



Product type	In-line Adapters	To	From	Std	Code Retail pack	Male/Duct/Female	15l/s	30l/s	60l/s	120l/s	180l/s
	Duct - Adapter - Straight - Round-Round	100mm	80mm	-	DD019	D/M	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	110mm	100mm	120	40120	F/M	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	125mm	100mm	119	40119	D/M	1.5	5.9	24	-	-
	Duct - Adapter - Straight - Round-Round - Space Saving	125mm	100mm	544	40544	M/M	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	125mm	120mm	519	-	F/F	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	150mm	100mm	619	-	D/M	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	150mm	125mm	118	50118	D/M	0.6	2.2	8.8	-	-
	Duct - Adapter - Straight - Round-Round - Space Saving	150mm	100mm or 125mm	644	-	M/M/M	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	160mm	150mm	620	-	D/M	-	-	-	-	-
	Duct - Adapter - Straight - Round-Round	200mm	150mm	819	-	D/M	-	-	-	-	-
	Duct - Adapter - Straight - Rectangular-Round	110x54mm	100mm	DD070	40070	F/D	3.7	14.6	58	-	-
	Duct - Adapter - Straight - Rectangular-Round - Space Saving	110x54mm	100mm	DD071	40071	F/M	4.8	20.4	86.2	-	-
	Duct - Adapter - Straight - Rectangular-Round	204x60mm	100mm	DD073	-	M/M	4.1	16.8	68.7	-	-
	Duct - Adapter - Straight - Rectangular-Round	204x60mm	125mm	570	50570	F/D	0.7	2.9	11.5	-	-
	Duct - Adapter - Straight - Rectangular-Round	220x90mm	150mm	970	-	F/F	-	-	3.7	14.1	30.7
	Duct - Adapter - Straight - Rectangular-Round	234x29mm	100mm	2005	-	F/D	3.8	14.8	57.2	-	-
	Duct - Adapter - Straight - Rectangular-Round	308x29mm	100mm	3005	-	F/D	6.1	23.7	91.7	-	-
	Duct - Adapter - Straight - Rectangular-Round	Double Airbrick	100mm 125mm 150mm	954	-	F/M/M/M	-	-	-	-	-

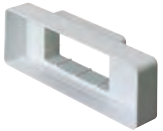
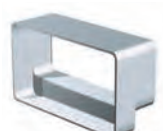
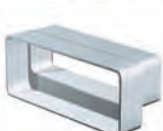
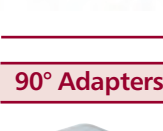


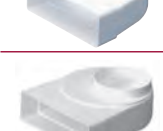



## ADAPTERS

DOMUS

Product type	In-line Adapters	To	From	Std	Code Retail pack	Male/Duct/Female	15l/s	30l/s	60l/s	120l/s	180l/s
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## In-line Adaptors

	Duct - Adapter - Straight - Rectangular-Rectangular	204x60mm Single Airbrick	110x54mm	DD077	40077	D/M	1.2	4.7	17.8	-	-
	Duct - Adapter - Straight - Rectangular-Rectangular	204x60mm Airbrick Fascia	234x29mm	2016	-	F/F	-	-	-	-	-
	Duct - Adapter - Straight - Rectangular-Rectangular	204x60mm Airbrick Fascia	308x29mm	3016	-	F/F	-	-	-	-	-
	Duct - Adapter - Straight - Rectangular-Rectangular	234x29mm	225x25mm	2012	-	F/M	-	-	-	-	-
	Duct - Adapter - Straight - Rectangular-Rectangular	308 x 29mm	234x29mm	2332	-	F/F	-	-	-	-	-
	Duct - Adapter - Straight - Rectangular-Rectangular	220x90mm	204x60mm	957	-	M/F	-	-	45.8	186.6	431.8
	Duct - Adapter - Straight - Rectangular-Rectangular	220x90mm	204x60mm	958	-	F/F	-	-	-	-	-
	Duct - Adapter - Straight - Rectangular-Rectangular	Double Airbrick	220x90mm	977	-	M/F	-	-	20.8	75.1	173

## 90° Adaptors

	Duct - Adapter - 90° - Fixed Socket	110x54mm	100mm	DD030	40030	F/D	8.1	33.1	136.4	-	-
	Duct - Adapter - 90° - Fixed Spigot	110x54mm	100mm	DD040	40040	F/M	8.1	33.1	136.4	-	-
	Duct - Adapter - 90° - Fixed Spigot	204x60mm	102mm	440	-	F/M	1.4	5.3	19.9	-	-
	Duct - Adapter - 90° - Adjustable Spigot	204x60mm	100mm	441	-	F/M	7.3	29.1	116.4	-	-
	Duct - Adapter - 90° - Spigot	204x60mm	125mm	540	-	F/M	1.7	6.9	27.1	-	-
	Duct - Adapter - 90° - Adjustable Spigot	204x60mm	125mm	541	50541	F/M	2.7	11.1	45.9	-	-
	Duct - Adapter - 90° - Spigot	204x60mm	150mm	640	-	F/M	1.8	7.4	29.8	-	-
	Duct - Adapter - 90° - Adjustable Spigot	204x60mm	150mm	641	-	F/M	1.1	4.5	18.3	-	-
	Duct - Adapter - 90° - Adjustable Spigot	220x90mm	100mm	941	-	F/M	-	-	5.3	20.4	44.8
	Duct - Adapter - 90° - Rotating Offset Spigot	220x90mm	125mm	951	-	F/M	-	-	3.6	14.9	34.4
	Duct - Adapter - 90° - Rotating Offset Spigot	220x90mm	150mm	961	-	F/M	-	-	9	34	75
	Duct - Adapter - 90° - Fixed Spigot	234x29mm	100mm	2013	-	F/D	7.9	31.5	126	-	-
	Duct - Adapter - 90° - Fixed Spigot	308x29mm	100mm	3013	-	F/D	4.3	15.8	58.9	-	-

## ANCILLARY COMPONENTS

DOMUS

Product type	Description	Code		Dimensions	Air-flow (mm <sup>2</sup> )	
		Boxed	Retail pack			
<b>Worktop Ventilators</b>						
	Flat Grille - Louvre - Aluminium	148A	-	500 x 80mm <i>Cut out size</i> 446 x 65mm	8500	
<b>Door/Wall</b>						
	Flat Grille - Louvre -	White 	793	40793	271 x 95mm 271 x 171mm	8800 17766
	Flat Grille - Louvre -	White 	796	40796		
	Flat Grille - Adjustment -	White 	893	40893	271 x 95mm 271 x 171mm	4330 8490
	Flat Grille - Adjustment -	White 	896	40896		
<b>Soil Ventilation</b>						
	Roof - Vent Cowl -	White 	4110W	-	Ø110mm Ø110mm Ø110mm	-
		Brown 	4110B			
		Grey 	4110G			
	Roof - Weathering Slate	Rubber / Aluminium	4457	-	Ø110mm	-
	Duct - Condensation Trap <small>(For technical guidance on this product see illustration on page 62)</small>	White 	497	-	Domus Ø100mm & Ø110mm	-
<b>FireBrake Electrical</b>						
	FireBrake - Electrical Conduit - 20mm	Red	20C89	-	Length 300mm	-
	FireBrake - Electrical Conduit - 25mm	Red	25C89	-	Length 300mm	-
<b>Fire Wrap</b>						
	Fire Wrap	ANC498A	-	Ø100mm	-	
<b>Flexible Hose Connector</b>						
	Hose - Connector	126-110	-	Ø110mm	-	
<b>Flexible Hose Clips</b>						
	Hose - Clip	125-3 125-8	- -	Ø80mm Ø200mm	- -	



Pre-boxed kits of standard duct and terminal components are available for the following applications:

### 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).

Approved Document F can be downloaded from [www.polypipe.com/ventilation](http://www.polypipe.com/ventilation) or a printed copy requested from [vent.info@polypipe.com](mailto:vent.info@polypipe.com) or 08443 715523.

### General guidance

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

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

- At least 5000mm<sup>2</sup> total equivalent area of ventilation should be provided in each habitable room and 2500mm<sup>2</sup> 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

### 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.

### Tumble dryer extraction

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

Kits are available with different terminal colours. Where kit terminals are available in different colours, the component code is marked with an asterisk (\*).

† 2706 (Equivalent area 2857 mm<sup>2</sup>)  
7.1l/s @ 10Pa Exhaust Air Heat Pump Specific



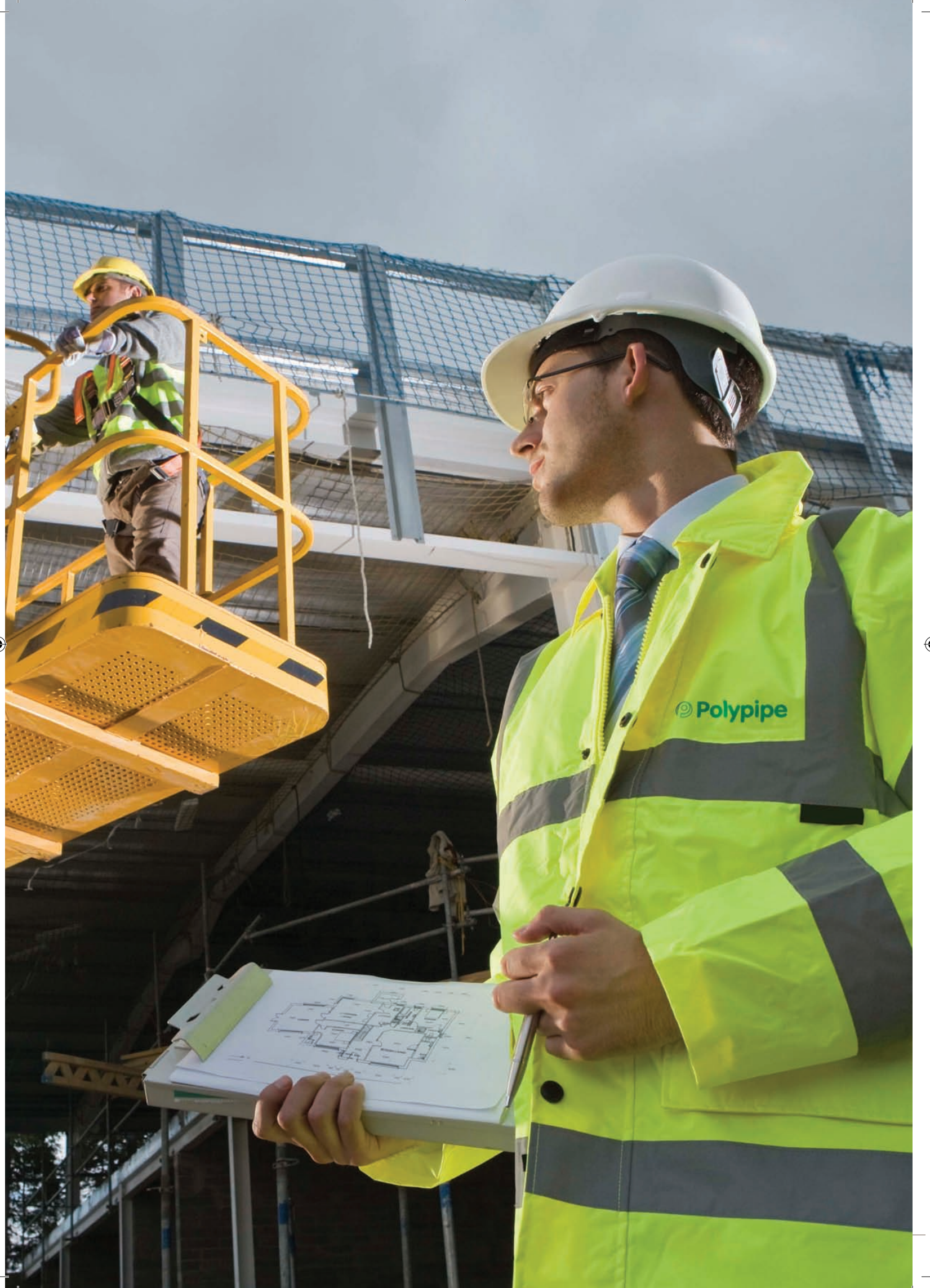
## KITS

Product type	Kits	Product Code	Retail Pack Code	Contents
	Kit - Background ventilation - Telescopic - Round - Diffuser - Env Filter - ø100mm †	2404W ○ 2404B ● 2404C ● 2404T ●	- - - -	4904* 130-4 4908F
	Kit - Background ventilation - Telescopic - Round - ø100mm	116W ○	-	F4904W 4904W 130-4
	Kit - Background ventilation - Telescopic - Airbrick - Damper - ø100mm	511W ○ 511T ●	- -	501* 501W - No damper D3-0400 115-5W
	Kit - Background ventilation - Telescopic - Round - Damper - ø125mm	508W ○	-	5902W P3-0175 P4-0275 114-5
	Kit - Cooker Hood - Cowled - ø100mm connection	212W ○ 212B ●	- -	4903* 2x DD010 DD020 DD030 361 115-4 124-4 126-4
	Kit - Cooker Hood - Cowled - 90° bend - ø100mm connection	214W ○ 214B* ●	40214W -	4903* 2x DD010 DD020 DD030 361 115-4 124-4 126-4 DD050
	Kit - Cooker Hood - Airbrick - ø125mm connection	227W ○ 227B ● 227T ●	- - -	501* 2x 510 520 541 544 561 2x 115-5* 2x 126-5 519
	Kit - Cooker Hood - Airbrick - 90° bend - ø125mm connection	219W ○ 219B ●	- -	501* 2x 510 520 541 544 561 2x 115-5* 2x 126-5 519 550 D3-0400
	Kit - Cooker Hood - Cowled - 90° bend - ø150mm connection	2650B ●	-	6902* 135-6 970 2x 910 920 950 961 2x 126-6 661



## KITS

Product type	Kits	Product Code	Retail Pack Code	Contents
	Kit - Cooker Hood - Double Airbrick - 90° bend - ø125mm connection	2653W  2653B  2653T 	- - -	905* 977 2x 910 920 950 961 2x 126-6 661
	Kit - Wall - Airbrick - ø100mm Connection	203W  203B  203C  203T 	- - - -	501* DD077 D1-0150 DD070
	Kits - High rise - Cowl - ø100mm Connection	2447W  2447B  2447T 	- - -	
	Kits - High rise - Cowl - ø150mm Connection	2647W  2647B  2647T 	- - -	
	Kits - Tumble Dryer - Wall - Cowled - ø100mm Connection	240W  240B  240C  240T 	- - - -	4902* 135-4 114-4 124-4
	Kits - Tumble Dryer - Wall - Cowled - ø100mm Connection	207W 	40207	4903W D1-0400 114-4 126-4 DD071 prepack inc. 363
	Kits - Tumble Dryer - Wall - Hose - Cowled - ø100mm Connection	202W  202B 	40202 -	4902* 361 114-4 2x 126-4
	Kits - Tumble Dryer - Wall - Hose - Cowled - ø125mm Connection	202-5W  202-5B 	- -	5902* 561 114-5 2x 126-5
	Kits - Tumble Dryer - Wall - Hose - Cowled - ø150mm Connection	202-6W  202-6B 	- -	6902* 661 114-6 2x 126-6
	Kits - Tumble Dryer - Wall - Hose - Damper - ø125mm Connection	215W  215B 	- -	500* 561 114-5 2x 126-5
	Kits - Tumble Dryer - Wall - Hose - Gravity Flap - ø100mm Connection	205W  205B 	40205 -	4900* 361 114-4 2x 126-4
	Kits - Tumble Dryer - Wall - Hose - Gravity Flap - ø125mm Connection	216W  216B 	- -	5900* 561 114-5 2x 126-5
	Kits - Tumble Dryer - Wall - Hose - Gravity Flap - ø150mm Connection	225W  225B 	- -	6900* 661 114-6 2x 126-6
	Kits - Tumble Dryer - Internal Condensing Kit - ø100mm Connection	2442-2 	-	2441 362 126-4





## SUPPORT SERVICES

To help our customers meet the stringent requirements of Part F and Part L of the Building Regulations, as well as to achieve the higher levels of the Code for Sustainable Homes through improved SAP ratings, Polypipe Ventilation offers a range of support services:

### VSP - Ventilation Solution Provider **Page 80**

On-line system planner and approved distributor scheme

### Domestic Ventilation Training **Page 82**

**bpec** accredited training to 2010 Building Regulations

### Customer Technical Support

Technical support to suit every customer application\*.

Polypipe Ventilation are committed in providing the highest level of technical support to our customers, from a hotline for customer queries, bespoke CAD drawings of ventilation systems, through to offering on-site assistance by one of our Technical Support Engineers.

**Telephone customer hotline: 08443 715523**

\*Charges may apply.



Approved Document B of the Building Regulations states that when a compartment wall is penetrated an approved fire-stopping device should be installed. Polypipe's FireBrake is available for all Domus duct systems and prevents the spread of fire through your ventilation system.





## LEAVE THE VENTILATION SPECIFICATION TO US...

To simplify central ventilation system specification, Polypipe's VSPweb On-line planner gives customers the opportunity to easily select a duct system and appliance based on their household requirements. Distribution partners have the opportunity to join our unique scheme and become an officially recognised VSP supplier, receiving training to current building regulations, merchandising and sales support.

### How it works

#### Step 1

1

Tell us about your property

#### Step 2

2

Select your appliance

#### Step 2

3

A Polypipe duct pack is recommended. The pack will include the most suitable duct, fittings and where selected a Polypipe heat recovery appliance specific to your property. This will ensure that the system operates at its optimum efficiency.

Duct packs are available to order from our national network of approved Ventilation Solution Providers (VSP); to locate your nearest VSP distributor please call 08443 715523.

### Criteria for appliance and duct pack selection

With increasingly stringent building regulations and energy efficiency targets, the VSPweb On-line Planner acts as a support tool when specifying central ventilation, removing any confusion or uncertainty.

### Criteria for appliance selection

The VSP Planner provides a bespoke duct system to match the chosen appliance. Either manually select the appliance from the SAP Appendix Q database or allow the planner to specify the most appropriate units available.

Recommendations are based on a combination of the highest heat exchanger efficiencies and the lowest specific fan power at flow rates demanded by the dwelling specified.

Calculations are based on the performance of Energy Saving Trust approved appliances and formulas given in Approved Document F of the England and Wales Building Regulations or advice given in Building (Scotland) Regulations 2010; along with the house data you input into the software.

Polypipe's HR heat recovery appliances are SAP Appendix Q registered and EST Best Practice Compliant. They significantly increase quality of life within the home by delivering fresh, oxygenated, pre-warmed and filtered air into the living areas. Correctly specified Domus duct systems enable efficient and quiet appliance operation.

### Criteria for duct selection

Using the information you provide about the property and the selected appliance, a duct pack is specified to match the number of inhabitants, size and the type of property, also taking into account the installation and termination location of the appliance and average room sizes based on current building practice.

Efficient air-flow is dependant on duct size, high surface finish and air-tight distribution.

To achieve this, consistent profiles, tight tolerances and accurate mouldings are all essential. Polypipe consider quality of utmost importance and this is reflected in the Domus duct systems.

To locate your nearest VSP supplier, please email your enquiry to [vent.sales@polypipe.com](mailto:vent.sales@polypipe.com) or alternatively contact customer services on 08443 715523. Distributor partners interested in upgrading to become a VSP supplier should contact their local Regional Sales Manager or Customer Services on the number above.



To achieve the best possible SAP rating and guarantee air quality in well insulated homes, Polypipe recommends our EST best practice compliant whole house MVHR, see page 9.

### General guidance

Every effort is taken to ensure that the information provided is both up-to-date and accurate. It remains the responsibility of the installer to check that both the duct system installation and the appliance are suitable to the application. All VSP packs are designed to provide a complete solution. In rare instances additional components may be required from the extensive Domus range.

Additional assistance is available from Polypipe's Technical Support team. Please call 08443 715523.



## VENTILATION INSTALLER TRAINING

ACCREDITED BY **bpec**



### Become a BPEC accredited Certified Ventilation Installer

This Ventilation Installer Training course provides installers with the opportunity to learn new skills and increase their scope of work.

#### Why should you be qualified now?

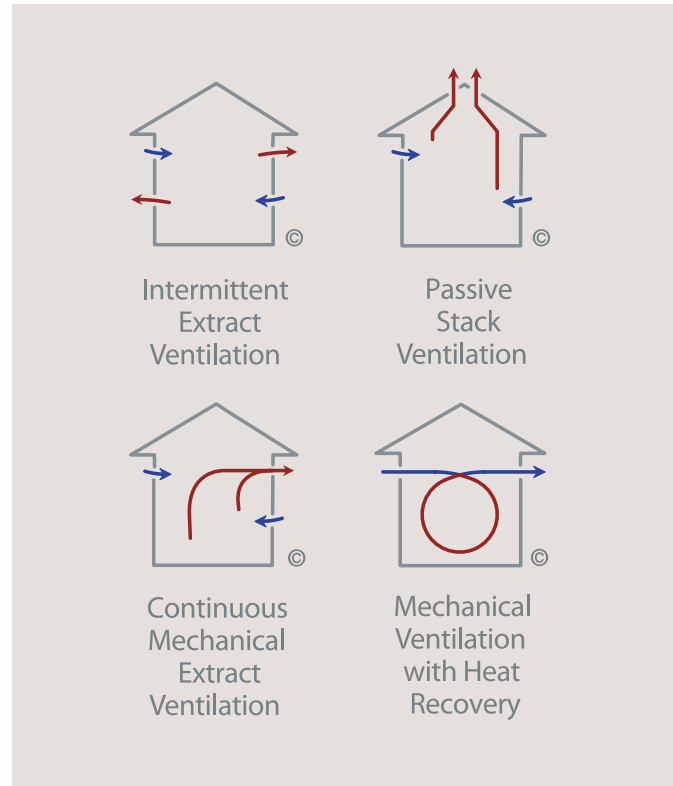
Domestic ventilation became 'Notifiable Work' on 1st October 2010 as part of the 2010 revision to Approved Document F of the Building Regulations. This means ventilation provision in new homes must be commissioned by a suitably qualified person.

The changes to these regulations essentially create a new vocation - Domestic Ventilation Installer, for which there has been no specific qualification until now.

To ensure installers are qualified to complete domestic ventilation installation, commissioning and hand-over, Polypipe Ventilation have written 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 has been independently assessed by Ian Andrews Associates.

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 is the course applicable to?

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

#### What are the training course objectives?

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

- Install any of the common types of Domestic Ventilation Systems in the UK safely and efficiently
- Inspect and test any of the common types of Domestic Ventilation Systems in the UK
- Commission and provide information for any of the common types of Domestic Ventilation Systems in the UK

### 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 cases
- UKAS approved calibration certificate
- Light weight, robust and simple to use

Requires 4x AA batteries (included)





### 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 the following background:

- Candidates with a number of years' experience in plumbing, heating or electrical engineering
- Candidates who hold a formal qualification at NVQ Level 3 in plumbing, heating or electrical engineering
- Candidates who are currently undertaking a course in plumbing, heating or electrical engineering, which will lead to a formal qualification such as NVQ Level 3 in plumbing, heating or electrical engineering

### Course Duration, Content and Assessment

The training and assessment course will run over two days and will include 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 open 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



Did you know that the Silavent range includes energy saving Low Watt fans? See page 21-22 or call 08443 715523.

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



### Payment

Courses can be purchased for over the counter at Polypipe Ventilation distributors or directly.

To book through a distributor, please place an order for code DVT2010. The distributor will then supply a voucher with a unique code which can be redeemed within three months by making a booking on the number below.

To book direct, please call Polypipe Ventilation on 08443 715523 or visit [www.polypipe.com/installertraining](http://www.polypipe.com/installertraining)

## GLOSSARY

**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.

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

**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 from whole house ventilation systems not exceed 30 dB(A) levels within bedrooms and living rooms.

### 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. These figures are detailed within this catalogue. Where whole house systems are being designed, the pressure losses at the flow rate of each specific spur must be added together.

**CIBSE Guide B, 2005** recommends extract rates are calculated by multiplying the volume of the room (m<sup>3</sup>) by the following 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	

**Extract Rates** are given in Table 5.1a and 5.1b of Approved Document F of Building Regulations 2010 which can be downloaded from [www.polypipe.com](http://www.polypipe.com) or a printed copy requested from [vent.info@polypipe.com](mailto:vent.info@polypipe.com) or 08443 715523.

### Electrical Safety Zones

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

Zone	Description	Permitted Voltage	Min IP
Zone 0:	Cuboid volume that contains the bathtub, shower or 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 3m, 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

**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.

**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. Examples: IP44.

**l/s** – Litres per second - Measurement of volume flow.

$l/s = m^3/h \div 3.6$

**m<sup>3</sup>/h** – Cubic metres per hour - Measurement of volume flow.

$m^3/h = l/s \times 3.6$

**Mixed flow** fans combine elements of axial and centrifugal and are therefore appropriate for medium length duct runs.

**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%

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

**Temperature** – The 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.

## INDEX

Product Code	Box Qty	Product Group	Page
118	10	VT03	73
119	10	VT03	73
120	1	VT03	73
123	1	VT03	41, 45, 49, 52, 55, 59, 65, 70
127	1	VT03	60
333	1	VT06	41
361	1	VT06	59
363	1	VT06	59
366	1	VT06	59
380	10	VT03	59
381	1	VT02	42
440	10	VT02	74
441	10	VT02	74
488	1	VT16	59
490	10	VT03	57
491	10	VT03	57
492	4	VT03	57
493	10	VT03	57
494	10	VT03	57
495	10	VT03	57
496	10	VT03	58
497	10	VT03	58, 75
499	1	VT03	57
510	5	VT02	44
515	5	VT02	44
518	1	VT02	44
519	1	VT03	73
520	10	VT02	44
527	10	VT02	44
533	1	VT06	46
540	10	VT02	46, 74
541	10	VT02	74
544	10	VT02	73
545	10	VT02	44
550	10	VT02	44
555	10	VT02	44
560	10	VT02	44
561	1	VT06	65
563	1	VT06	65
566	1	VT06	65
570	10	VT02	73
575	10	VT02	44
580	10	VT03	65
581	1	VT02	46
582	10	VT02	44
587	1	VT16	45
588	1	VT16	65
590	10	VT03	63
591	10	VT03	63
592	1	VT03	63
593	10	VT03	63
594	10	VT03	63
595	10	VT03	63
596	10	VT03	64
619	10	VT03	73
620	10	VT03	73
640	10	VT02	74
641	10	VT02	74
644	10	VT02	73
661	1	VT06	70
663	1	VT06	70
666	1	VT06	70
680	10	VT03	70
688	1	VT16	70
690	10	VT03	68
693	10	VT03	68
694	10	VT03	68
695	10	VT03	68
696	10	VT03	69
793	20	VT01	75
796	20	VT01	75
819	1	VT03	73
893	20	VT01	75
896	20	VT01	75
910	3	VT18	48
915	3	VT18	48
920	6	VT18	48
922	10	VT18	49
927	6	VT18	48
933	1	VT18	50
941	1	VT02	74
950	6	VT18	48
951	6	VT18	74
954	1	VT02	73
955	6	VT18	48
957	10	VT18	47, 74
958	10	VT18	74
960	6	VT18	48
961	6	VT18	50
961	1	VT18	74
970	6	VT18	73
975	6	VT18	48

Product Code	Box Qty	Product Group	Page
977	10	VT18	47, 50, 74
982	6	VT18	48
987	1	VT16	49
2001	5	VT08	51
2005	10	VT08	73
2006	20	VT08	51
2007	10	VT08	51
2008	10	VT08	51
2010	10	VT08	51
2011	10	VT08	51
2012	10	VT08	74
2013	10	VT08	52, 74
2014	100	VT08	51, 54
2016	5	VT08	53, 74
2087	1	VT16	52
2332	5	VT08	74
3001	5	VT08	54
3005	5	VT08	73
3006	20	VT08	54
3007	5	VT08	54
3008	5	VT08	54
3010	5	VT08	54
3011	5	VT08	54
3013	5	VT08	56
3013	1	VT08	74
3015	5	VT08	54
3016	5	VT08	56, 74
3087	1	VT16	55
3305	1	VT06	41
3615	1	VT06	59
3645	1	VT06	59
4210	1	VT06	59
4411	1	VT01	62, 67, 72
4457	1	VT03	75
5210	1	VT06	65
5305	1	VT06	46
5505	1	VT06	46
5533	1	VT06	46
5615	1	VT06	65
5697	4	VT03	64, 69
6210	1	VT06	70
6615	1	VT06	70
9305	1	VT18	50
20150	5	VT08	51
20200	5	VT08	51
30150	5	VT08	54
30200	5	VT08	54
40010	1	VT02	40
40020	1	VT02	40
40027	1	VT02	40
40030	1	VT02	74
40040	1	VT02	74
40050	1	VT02	40
40055	1	VT02	40
40060	1	VT02	40
40070	1	VT02	73
40071	1	VT02	73
40075	1	VT02	40
40077	1	VT02	43, 74
40080	1	VT02	40
40114	1	VT03	57
40115	1	VT02	40
40119	1	VT03	73
40120	1	VT03	73
40122	1	VT02	41
40123	1	VT03	41, 45, 49, 52, 55, 59, 65, 70
40124	1	VT03	59
40125	1	VT03	60
40126	1	VT03	59
40135	1	VT03	57
40136	1	VT01	42, 52, 56, 60
40202	1	VT05	77
40205	1	VT05	77
40207	1	VT05	77
40214	1	VT05	76
40335	1	VT06	41
40361	1	VT06	59
40363	1	VT06	59
40490	1	VT03	57
40491	1	VT03	57
40492	1	VT03	57
40493	1	VT03	57
40494	1	VT03	57
40496	1	VT03	58
40497	1	VT03	58
40544	1	VT02	73
41100	1	VT03	57
50114	1	VT03	63
50115	1	VT02	44
50118	1	VT03	73
50122	1	VT02	45

Product Code	Box Qty	Product Group	Page
50125	1	VT03	66
50126	1	VT03	65
50127	1	VT03	66
50135	1	VT03	63
50136	1	VT01	46, 66
50510	1	VT02	44
50520	1	VT02	44
50527	1	VT02	44
50535	1	VT06	46
50541	1	VT02	74
50550	1	VT02	44
50555	1	VT02	44
50560	1	VT02	44
50561	1	VT06	65
50563	1	VT06	65
50570	1	VT02	73
50575	1	VT02	44
50582	1	VT02	44
50590	1	VT03	63
50591	1	VT03	63
50592	1	VT03	63
50593	1	VT03	63
50594	1	VT03	63
50596	1	VT03	64
51100	1	VT03	63
403203	1	VT06	60
403215	1	VT06	60
403230	1	VT06	60
503203	1	VT06	66
503215	1	VT06	66
503230	1	VT06	66
603203	1	VT06	71
603215	1	VT06	71
603230	1	VT06	71
10TP12	1	VT03	41, 45, 49, 51, 54, 58, 64, 69
1100-4	3	VT03	57
1100-5	3	VT03	63
1100-6	2	VT03	68
114-4	10	VT03	57
114-5	10	VT03	63
114-6	10	VT03	68
115-4	10	VT02	40
115-5B	10	VT02	44
115-5C	10	VT02	44
115-5T	10	VT02	44
115-5W	10	VT02	44
115-6	6	VT18	48
116W	1	VT05	76
1200-4	3	VT02	57
1200-5	3	VT03	63
1200-6	2	VT03	68
122-4	10	VT02	41
122-5	10	VT02	45
123-4	1	VT03	41, 45, 49, 52, 55, 59, 65, 70
124-4	10	VT03	59
125-4	1	VT03	60
125-5	1	VT03	66
125-6	1	VT03	71
125-UNI	1	VT03	60, 66, 71
126-4	10	VT03	59
126-5	10	VT03	65
126-6	10	VT03	70
127-4	1	VT03	60
127-5	1	VT03	66
127-6	1	VT03	71
130-4	10	VT03	57
130-5	10	VT03	63
130-6	10	VT03	68
135-4	10	VT03	57
135-5	10	VT03	63
135-6	10	VT03	68
136-04	8	VT01	42, 52, 56, 60
136-04SS	1	VT01	42, 52, 56, 60
136-05	8	VT01	46, 66
136-05SS	1	VT01	46, 66
136-06	8	VT01	50, 71
136-06SS	1	VT01	50, 71
136-24	6	VT01	42, 52, 56, 60
136-25	6	VT01	46, 66
136-26	6	VT01	50, 71
136FR-24M	1	VT01	42, 52, 56, 60
136FR-25M	1	VT01	46, 66
136FR-26M	1	VT01	50, 71
148A	1	VT01	75
15K	1	VT04	30
15W	1	VT04	30

Product Code	Box Qty	Product Group	Page
1K	1	VT04	18, 19
1W	1	VT04	19
202-5B	1	VT05	77
202-5W	1	VT05	77
202-6B	1	VT05	77
202-6W	1	VT05	77
202B	1	VT05	77
202W	1	VT05	77
203B	1	VT05	77
203C	1	VT05	77
203T	1	VT05	77
203W	1	VT05	77
205B	1	VT05	77
205W	1	VT05	77
207W	1	VT05	77
20C89	42	VT17	75
2100-4	3	VT03	57
2100-5	3	VT03	63
2100-6	2	VT03	68
212B	1	VT05	76
212W	1	VT05	76
214B	1	VT05	76
214W	1	VT05	76
215B	1	VT05	77
215W	1	VT05	77
216B	1	VT05	77
216W	1	VT05	77
219B	1	VT05	76
219W	1	VT05	76
225B	1	VT05	77
225W	1	VT05	77
227B	1	VT05	76
227T	1	VT05	76
227W	1	VT05	76
2316B	5	VT08	53, 56
2316BK	5	VT08	53, 56
2316C	5	VT08	53, 56
2316G	5	VT08	53, 56
2316T	5	VT08	53, 56
2316W	5	VT08	53, 56
2404B	1	VT05	76
2404C	1	VT05	76
2404T	1	VT05	76
2404W	1	VT05	76
240B	1	VT05	77
240C	1	VT05	77
240T	1	VT05	77
240W	1	VT05	77
2442-2	1	VT05	77
2447B	1	VT05	77
2447T	1	VT05	77
2447W	1	VT05	77
25C89	26	VT17	75
2647B	1	VT05	77
2647T	1	VT05	77
2647W	1	VT05	77
2650B	1	VT18	76
2653B	1	VT18	77
2653T	1	VT18	77
2653W	1	VT18	77
361/120	1	VT06	59
3615/8	1	VT06	59
363/40	1	VT06	59
366/20	1	VT06	59
40505B	1	VT01	43
40505T	1	VT01	43
40505W	1	VT01	43
4110B	1	VT01	75
4110G	1	VT01	75
4110W	1	VT01	75
44804B	1	VT01	62
44804W	1	VT01	62
44900BK	1	VT01	61
44902BK	1	VT01	61
44904BK	1	VT01	61
44907W	1	VT01	42, 52, 56, 60
44910B	1	VT01	43
44910T	1	VT01	43
44910W	1	VT01	43
44932B	1	VT01	43, 61
44932T	1	VT01	43, 61
44932W	1	VT01	43, 61
44954B	1	VT01	43, 61
44954T	1	VT01	43, 61
44954W	1	VT01	43
4804B	20	VT01	62
4804C	20	VT01	62
4804T	20	VT01	62
4804W	20	VT01	62
4900B	20	VT01	61
4900C	20	VT01	61
4900T	20	VT01	61

Product Code	Box Qty	Product Group	Page
4900W	20	VT01	61
4901B	20	VT01	43
4901C	20	VT01	43
4901T	20	VT01	43
4901W	20	VT01	43
4902B	20	VT01	61
4902C	20	VT01	61
4902T	20	VT01	61
4902W	20	VT01	61
4903B	20	VT01	43
4903C	20	VT01	43
4903T	20	VT01	43
4903W	20	VT01	43
4904B	1	VT01	36
4904C	20	VT01	61
4904T	1	VT01	36
4904W	20	VT01	61
4905B	20	VT01	43
4905C	20	VT01	43
4905T	20	VT01	43
4905W	20	VT01	43
4907CH	1	VT01	42, 52, 56, 60
4907W	1	VT01	42, 52, 56, 60
4908F	1	VT03	42, 52, 56, 60
4994B	20	VT01	61
4994C	20	VT01	61
4994T	20	VT01	61
4994W	20	VT01	61
4TP100	3	VT03	58
4TP200	3	VT03	58
4TP2SL	5	VT03	58
4TP90	1	VT03	58
4TP91	1	VT03	58
4TP92	1	VT03	58
501B	20	VT01	43
501C	20	VT01	43
501T	20	VT01	43
501W	20	VT01	43
505B	20	VT01	43
505BK	20	VT01	43
505C	20	VT01	43
505T	20	VT01	43
505W	20	VT01	43
508W	1	VT05	76
50TP45	1	VT03	41, 45, 49, 51, 54, 58, 64, 69
511T	1	VT05	76
511W	1	VT05	76
55015B	1	VT01	43
55015W	1	VT01	43
55900B	1	VT01	67
55900W	1	VT01	67
55902B	1	VT01	67
55902W	1	VT01	67
55904B	1	VT01	67
55904W	1	VT01	67
55907W	1	VT01	46, 66
5900B	10	VT01	67
5900C	10	VT01	67
5900T	10	VT01	67
5900W	10	VT01	67
5902B	10	VT01	67
5902C	10	VT01	67
5902T	10	VT01	67
5902W	10	VT01	67
5904B	10	VT01	67
5904C	10	VT01	67
5904T	10	VT01	67
5904W	10	VT01	67
5907W	1	VT01	46, 66
599M	1	VT03	63
5B303	1	VT02	44
5SL05	1	VT02	45
5SL10	1	VT02	45
5SL15	1	VT02	45
5TP100	3	VT03	64
5TP200	3	VT03	64
5TP2SL	5	VT03	64
5TP90	1	VT03	64
5TP91	1	VT03	64
5TP92	1	VT03	64
6900B	10	VT01	72
6900C	10	VT01	72
6900T	10	VT01	72
6900W	10	VT01	72

Product Code	Box Qty	Product Group	Page
6902B	10	VT01	72
6902C	10	VT01	72
6902T	10	VT01	72
6902W	10	VT01	72
6904B	10	VT01	72
6904C	10	VT01	72
6904T	10	VT01	72
6904W	10	VT01	72
6907W	1	VT01	50, 71
692M	1	VT03	68
699M	1	VT03	68
6TP100	2	VT03	69
6TP200	2	VT03	69
6TP2SL	5	VT03	69
6TP90	1	VT03	69
6TP92M	1	VT03	69
905B	10	VT01	47, 50
905C	10	VT01	47, 50
905T	10	VT01	47, 50
905W	10	VT01	47, 50
909A	1	SV28	36
909B	1	SV28	36
9SL05	1	VT18	49
9SL10	1	VT18	49
9SL15	1	VT18	49
ANC808A	1	SV27	14
ANC841D	1	SV26	31
B15DS	1	VT09	33
B15DT	1	VT09	33
B15HT	1	VT09	30
B15HTP	1	VT09	30
B15P	1	VT09	30
B15S	1	VT09	30
B15T	1	VT09	30
B15TP	1	VT09	30
B1DS	1	VT09	28
B1DT	1	VT09	28
B1HT	1	VT09	20
B1HTP	1	VT09	20
B1P	1	VT09	20
B1S	1	VT09	20
B1SL	1	VT09	20
B1T	1	VT09	20
BK1	1	VT09	20
BK15	1	VT09	30
BK15D	1	VT09	33
BK1D	1	VT09	28
BLK4900B	180	VT01	61
BLK4900BK	180	VT01	61
BLK4900W	180	VT01	61, 61
BLK4902B	70	VT01	61
BLK4902W	70	VT01	61
BLK4903B	70	VT01	43
BLK4904B	130	VT01	61
BLK4904BK	130	VT01	61
BLK4904W	130	VT01	61
BLKF4904B	130	VT01	61
BLKF4904BK	130	VT01	61
BLKF4904W	130	VT01	61
BR15S	1	VT09	30
BR1S	1	VT09	20
CM01	1	VT12	82
CUR501A	1	SV27	21
CUR7001B	1	SV21	21
CUR7001BKIT	1	SV21	21
CUR7001BLW	1	SV21	21
CUR7002B	1	SV21	21
CUR7002BLW	1	SV21	21
CUR7003B	1	SV21	21
CUR7003BKIT	1	SV21	21
CUR7004B	1	SV21	21
CUR7005B	1	SV21	21
CUR7006B	1	SV21	21
CUR9003	1	SV21	21
CUR9003LV	1	SV21	21
CUR9004	1	SV21	21
CUR9004LV	1	SV21	21
D1-2000	10	VT02	40
D3-2000	5	VT02	44
D4-2000	2	VT18	48
DD010	10	VT02	40
DD015	10	VT02	40
DD018	1	VT02	40
DD019	10	VT03	73
DD020	20	VT02	40
DD027	20	VT02	40
DD030	20	VT02	74
DD040	20	VT02	42, 74
DD050	20	VT02	40
DD055	20	VT02	40
DD060	20	VT02	40
DD070	20	VT02	73
DD071	20	VT02	73

Product Code	Box Qty	Product Group	Page
DD073	5	VT02	73
DD075	20	VT02	40
DD077	20	VT02	43, 74
DD080	20	VT02	40
DDSEAL	1	VT02	41, 45, 49, 52, 55, 59, 65, 70
DF087	1	VT16	41
DVF801D	1	SV22	24
DVF801ET	1	SV22	24
DVF802D	1	SV22	24
DVF802ET	1	SV22	24
DVF811D	1	SV22	26
DVF811ET	1	SV22	26
DVF812D	1	SV22	26
DVF812ET	1	SV22	26
DVF831ET	1	SV22	27
DVF832ET	1	SV22	27
DVT2010	1	VT11	83
ELE150R	1	SV24	14, 15, 15
ENX1002SC	1	SV21	12
ENX1002SCP	1	SV21	12
ENX1002SHB	1	SV21	12
ENX1002SP	1	SV21	12
ENX100CFK	1	SV26	12
ENX100SHTP	1	SV21	12
ENX100WFK	1	SV26	12
ENX100WFK1	1	SV26	12
ENX100WWK	1	SV26	12
F44804W	1	VT01	62
F4804B	20	VT01	62
F4804C	20	VT01	62
F4804T	20	VT01	62
F4804W	20	VT01	62
F4904B	20	VT01	61
F4904C	20	VT01	61
F4904T	20	VT01	61
F4904W	20	VT01	61
F4905B	20	VT01	43
F4905C	20	VT01	43
F4905T	20	VT01	43
F4905W	20	VT01	43
F5904B	10	VT01	67
F5904C	10	VT01	67
F5904T	10	VT01	67
F5904W	10	VT01	67
F6904B	10	VT01	72
F6904C	10	VT01	72
F6904T	10	VT01	72
F6904W	10	VT01	72
FLA007A	1	SV27	31
FLA105A	1	SV27	22,22,23
FLA106A	1	SV27	23
FRE104B	1	SV28	35
FRE301B	1	SV28	36
FRE302B	1	SV28	36
FRE401B	1	SV28	36
FRE501A	1	SV28	35,36,36
FRE501B	1	SV28	35,36
FRE501C	1	SV28	35,36
FRE501D	1	SV28	35,36
FRE502A	1	SV28	35,36
FRE504A	1	SV28	35
H1	1	VT04	19
H15	1	VT04	30
H1R	1	VT04	19
HR01FG2	1	VT12	10
HR01FG4	1	VT12	10,11,11
HR01H	1	VT12	10,10,11,11
HR01L	1	VT12	10
HR01LB	1	VT12	10
HR01M	1	VT12	10,10,11,11
HR01P	1	VT12	10,10,11,11
HR01W	1	VT12	10
HR01WB	1	VT12	10
HR02L	1	VT12	11
HR02LB	1	VT12	11
HR03L	1	VT12	11
HR03LB	1	VT12	11
KIT102B	1	SV21	31
KIT103B	1	SV21	31
KIT104B	1	SV21	31
KIT107B	1	SV21	31
KIT201B	1	SV21	31
KIT203B	1	SV21	31
LS1DK	1	VT04	25
LS1DKCH	1	VT04	25
LS1DKCHR	1	VT04	25
LS1DKR	1	VT04	25
LT1DK	1	VT04	25
LT1DKCH	1	VT04	25
LT1DKCHR	1	VT04	25
LT1DKR	1	VT04	25

Product Code	Box Qty	Product Group	Page
LUM100BLV	1	SV20	20
LUM100TBLV	1	SV20	20
MAS87	1	VT16	41, 45, 49, 52, 55, 59, 65, 70
MAY102B	1	SV21	23
MAY202B	1	SV21	23
MAY402B	1	SV21	23
MAY502S	1	SV27	23
MAY504A	1	SV27	22,22,23
MAY901A	1	SV21	22,22,23
MAY905B	1	SV27	22,22,23
MAY907A	1	SV27	23
MAY908B	1	SV27	22,22,23
MCC070B	1	SV21	22
MCC070BLV	1	SV21	22
MCC070BLW	1	SV21	22
MCC100B	1	SV21	22
MCC140B	1	SV21	23
MCT070B	1	SV21	22
MCT100B	1	SV21	22
MIR070B	1	SV21	22
MIR100B	1	SV21	22
MIR140B	1	SV21	23
MPC070B	1	SV21	22
MPC100B	1	SV21	22
MPC140B	1	SV21	23
MSS070B	1	SV21	22
MSS070BLV	1	SV21	22
MSS070BLW	1	SV21	22
MSS100B	1	SV21	22
MSS140B	1	SV21	23
MTD070B	1	SV21	22
MTD070BLV	1	SV21	22
MTD070BLW	1	SV21	22
MTD100B	1	SV21	22
MTD140B	1	SV21	23
MTS070B	1	SV21	22
MTS070BLV	1	SV21	22
MTS100B	1	SV21	22
MTT070B	1	SV21	22
MTT070BLV	1	SV21	22
MTT100B	1	SV21	22
P1	1	VT04	19
P15	1	VT04	30
P15KR	1	VT04	30
P15R	1	VT04	30
P15WR	1	VT04	30
P1R	1	VT04	19
PFL420A	1	SV26	22,22,23
PVS100BB	1	SV21	21
PVS100BK	1	SV21	31
PVS100BKTH	1	SV21	31
PVS100BKTW	1	SV21	31
PVS100HBK	1	SV21	31
PVS100HTBB	1	SV21	21
PVS100HTBBLV	1	SV21	21
PVS100HTBK	1	SV21	31
PVS100HTBTW	1	SV21	21
PVS100PBPTW	1	SV21	21
PVS100PBKTW	1	SV21	31
PVS100PBLVTW	1	SV21	21
PVS100TBB	1	SV21	21
PVS100TBBLV	1	SV21	21
PVS100TBBK	1	SV21	31
PWC750HTST	1	SV24	14
PWC750REG	1	SV24	14
PWC750TST	1	SV24	14
QVT600	1	SV24	15
QVT600HTST	1	SV24	15
QVT600TST	1	SV24	15
QVT750	1	SV24	15
QVT750TST	1	SV24	15
S1	1	VT04	19
S15	1	VT04	30
S15D	1	VT04	32
S1D	1	VT04	25
S1DK	1	VT04	25
S1DKCH	1	VT04	25
S1DKCHR	1	VT04	25
S1DKR	1	VT04	25
S1R	1	VT04	19
SDF100B	1	SV20	18
SDF100BLV	1	SV20	18
SDF100BLVS	1	SV20	18
SDF100BS	1	SV20	18
SDF100HTB	1	SV20	18,18
SDF100HTBLV	1	SV20	18,18
SDF100HTBLVS	1	SV20	18
SDF100HTBPC	1	SV20	18
SDF100HTBPCLV	1	SV20	18
SDF100HTBS	1	SV20	18
SDF100PB	1	SV20	18
SDF100PBS	1	SV20	18

Product Code	Box Qty	Product Group	Page
SDF100PIR	1	SV20	18
SDF100PIRLV	1	SV20	18
SDF100PIRS	1	SV20	18
SDF100TB	1	SV20	18,18
SDF100TBLV	1	SV20	18,18
SDF100TBLVS	1	SV20	18
SDF100TBS	1	SV20	18
SDF150B	1	SV20	29
SDF150BLV	1	SV20	29
SDF150HB	1	SV20	29
SDF150HBPC	1	SV20	29
SDF150HBTW	1	SV20	29
SDF150HTB	1	SV20	29
SDF150PB	1	SV20	29
SDF150PBTW	1	SV20	29
SDF150PIR	1	SV20	29
SDF150TB	1	SV20	29
SDF150TBLV	1	SV20	29
SDF901WFK	1	SV26	18,18
SDF911W	1	SV26	29
SDF911WFK	1	SV26	29
SL1	1	VT04	19
SLP100B	1	SV20	19
SLP100BLV	1	SV20	19
SLP100HTB	1	SV20	19
SLP100HTBLV	1	SV20	19
SLP100TB	1	SV20	19
SLP100TBLV	1	SV20	19
SPV801ETWCG	1	SV22	24
SPV801TWCG	1	SV22	24,26,27
SPV802ETWCG	1	SV22	24
SPV811ETWCG	1	SV22	26
SPV812ETWCG	1	SV22	26
SPV831ETWCG	1	SV22	27
SPV832ETWCG	1	SV22	27
SVC100B	1	SV20	18
SVC100BLV	1	SV20	18
SVC100HTBPC	1	SV20	18
SVC100PB	1	SV20	18
SVC150B	1	SV20	29
SVC150HB	1	SV20	29
SVC150HBTW	1	SV20	29
SVC150HTB	1	SV20	29
SVC150PB	1	SV20	29
SVC150PBTW	1	SV20	29
SVC150TB	1	SV20	29
SVC901W	1	SV26	29
SVC901WFK	1	SV26	29
SVS230B	1	SV20	34
SVS230BWAL	1	SV20	34
SVS300B	1	SV20	34
SVS300BWAL	1	SV20	34
SVS950W-230	1	SV26	34
SVS950W-300	1	SV26	34
T1	1	VT04	19
T15	1	VT04	30
T15D	1	VT04	32
T1CH	1	VT04	19
T1CHR	1	VT04	19
T1D	1	VT04	25
T1DK	1	VT04	25
T1DKCH	1	VT04	25
T1DKCHR	1	VT04	25
T1DKR	1	VT04	25
T1R	1	VT04	19
TL1VKR	1	VT04	19
TVT240	1	SV24	14
TVT240SST	1	SV24	14
TVT240TST	1	SV24	14
UB1005	1	VT02	51
UB1005	5	VT02	41, 45, 49, 54, 58, 64, 69
UB1050	1	VT02	51
UB1050	50	VT02	41, 45, 49, 54, 58, 64, 69
VH	1	VT04	19,20
VIT100B	1	SV22	27
VIT100TB	1	SV22	27
VIT150B	1	SV22	32
VIT150TB	1	SV22	32
VS	1	VT04	19,20
VT	1	VT04	19,20
WHS100AIM	1	SV24	12
WHS100B	1	SV24	12