

# ACCESSORIES

DUCTING, GRILLES, CONTROLLERS AND MUCH MORE





# COMPATIBILITY

Delivering the best performance

## Accessories

A varied and comprehensive range of accessories for all your ventilation needs

### AirflexPro Ducting

Zero leakage semi rigid ducting

### Airflex Retro Ducting

Discreet coving ducting

### Airflex Ducting

Versatile range of flexible ducting

### Airflat Ducting

204mm x 60mm low profile channel ducting

### Air Round Ducting

Round rigid ducting

### Airflex ISO Ducting

Pre-insulated ducting

### Grilles and Valves

A range of terminal grilles and valves

### Roof Cowls, Slates and Traps

Zero leakage semi rigid ducting

### Venting Kits

A range of kits for connection from fan to terminal

### Fire stops

A range of fire stopping products to prevent smoke or fire passing through duct systems

### Remote Switches, Controls & Sensors

A range of remote switches, controllers and sensors to control your Airflow fan

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### Commercial Fan Speed Controllers

A range of speed controllers to 100% control commercial/ industrial fans

### Acoustic Accessories

A range of Acoustic accessories

# Accessories

## AirflexPro

Semi rigid ducting



### KEY FEATURES

- Zero leakage ensures highest performance
- Fire rated to EN13501-1 Class E
- 70% time saving on installation
- Interchangeable ducting system (75 mm round / 51 mm x 114 mm oval) without any hydraulic pressure loss
- Compact, suits narrow joists and low ceiling voids
- Durable with high crushability (10 kN/m<sup>2</sup>)
- Smooth bore with antistatic and antibacterial lining
- Easy to clean when installed
- SAP eligible ducting (non-jointed)

### Mix and Match, "Oval or Round" = No Loss of Performance

A quick and easy to fit system of semi-rigid ducting that can result in up to 70% time saving during the on-site installation process, compared to rigid or spiral duct methods.

This innovative system uses low resistance and antibacterial smooth round and oval tubes which connect each room to the heat recovery or ventilation unit via an air distribution box.

The AirflexPro Oval ducting is designed to equal the hydraulic Performance of AirflexPro Round so both types can be used within the same system without a loss of performance.

Semi rigid ducting without joints. Performance data is now recognised by the U.K. Government as an input for Standard Assessment Procedure (SAP) calculations via SAP eligible.

#### AirflexPro Oval Ducting



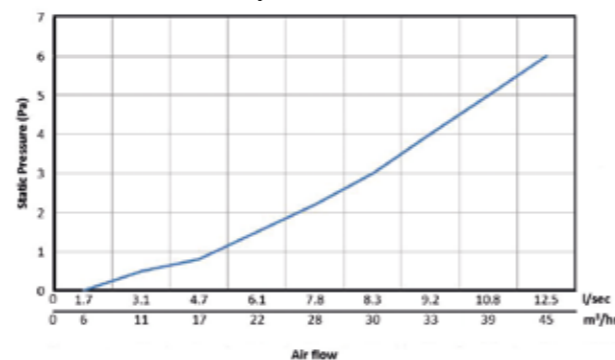
**Part Number - 90000255**  
20 m coil (oval)  
51 mm x 115 mm

#### AirflexPro Round Ducting



**Part Number - 9041130**  
50 m coil (round)  
75 mm Roll

AirflexPro (round and oval) semi rigid ducting flow pressure curve



#### Flammability Testing

AirflexPro complies with the following

- DIN 4102-1 and DIN 4102-4 (Fire behaviour of building materials and building components) to building material class B (Normal flammable building material).
- Respectively to European EN13501-1 Class E (Fire classification of construction products and building elements - Part 1: Classification using data from reaction from fire tests).



# Accessories

## AirflexPro Clips

Round and oval ducting clips



### KEY FEATURES

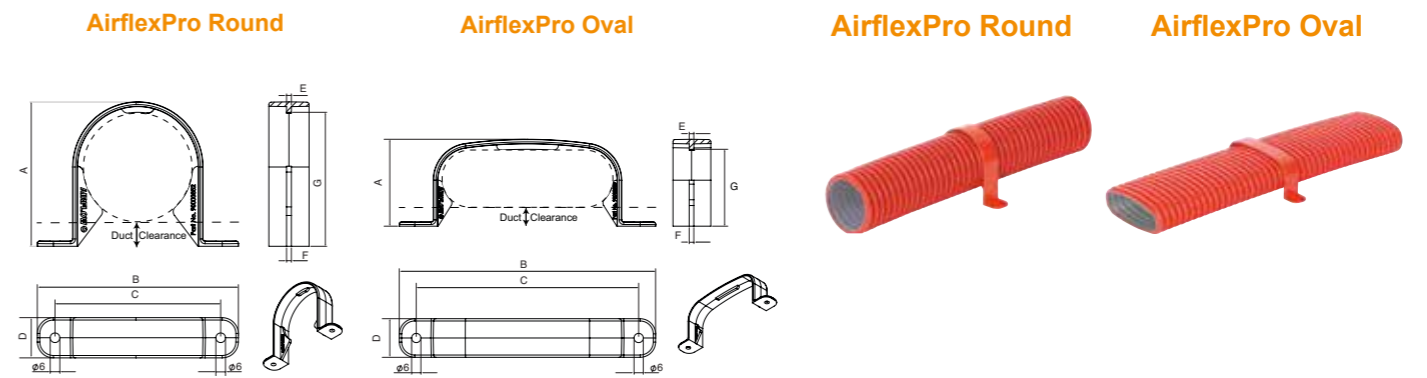
- Securely fixes both AirflexPro Round and AirflexPro Oval Duct
- Compact height allows duct fixing within narrow joist areas and low ceiling voids
- To NHBC MVHR Guidance 3.2
- Single person installation
- Keeps AirflexPro Round / Oval taut and neat on installation
- SAP eligible zero leakage ducting
- Keeps ducting off building fabric to reduce noise and thermal transmittal

### AirflexPro Round and Oval Ducting Clips

Flexible, innovative, meeting industry best practice standards for installation. AirflexPro Round and Oval clips are the only professional solution for fitting SAP eligible, AirflexPro Round and Airflex Oval Zero Leakage duct systems.

These compact ducting clips have been specifically designed to securely fix both AirflexPro Round and Oval Ducting systems. In narrow or confined areas, while keeping ducting off the building fabric to reduce noise transmission, they should be spaced at 750 mm intervals to keep AirflexPro / Airflex Oval neat and tidy on installation in accordance with NHBC guidance 3.2.

### DIMENSIONS (mm)



Model	A	B	C	D	E	F	G
AirflexPro Round	89.9	125	103	25	3	3	83.3
AirflexPro Oval	56.3	166	144	25	3	3	49.8

Part No.	Product	Amount
90000352	AirflexPro Round Duct Clip	Sold in packs of 10
90000353	AirflexPro Oval Duct Clip	Sold in packs of 10

# Accessories

## Typical System 4 (MVHR)



**01**  
Extracted air from: bathroom, en-suite, toilet, utility and kitchen

**02**  
Fresh heated air to: bedroom, living room and dining room

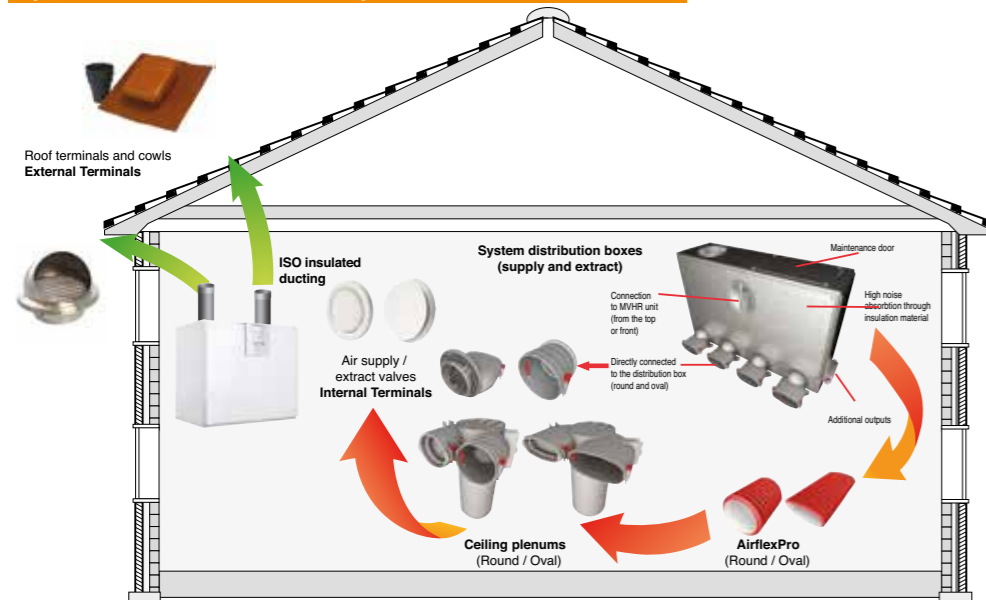
**03**  
Stale air to outside

**04**  
Incoming fresh air

**05**  
Heat Recovery Unit



## Typical Components System 4



Typical AirflexPro installation showing the transition between oval and round without increasing the system pressure



Distribution box with oval pipes going through the floor, input from the bottom

# Accessories

## AirflexPro Accessories

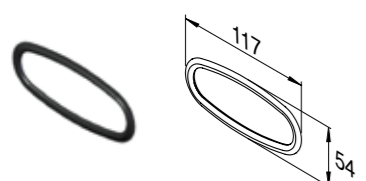

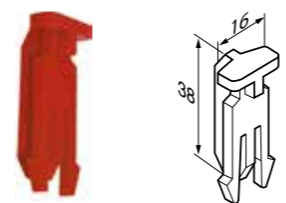
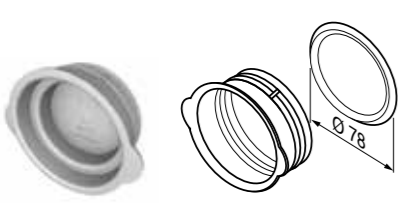
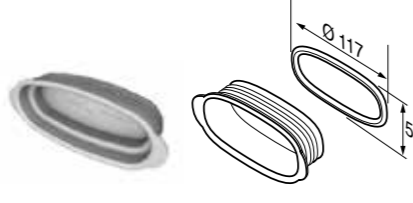
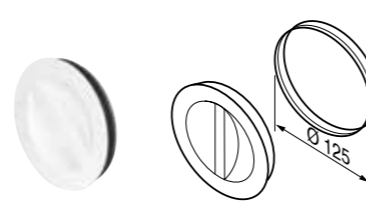
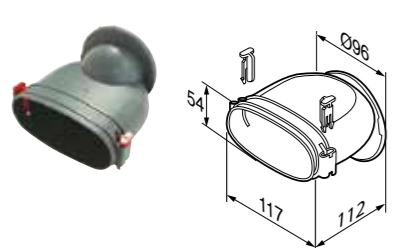
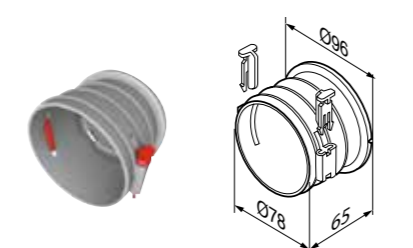

<p><b>Straight Connection Piece</b></p> <p><b>Part Number - 90000253</b> 54 x 117 mm Straight Connector (oval-oval)</p>	<p><b>90° Vertical Transition Piece</b></p> <p><b>Part Number - 90000251</b> 90° Vertical Transition Piece (round-oval)</p>	<p><b>Straight Connection Piece</b></p> <p><b>Part Number - 90000252</b> Straight Transition Piece (round-oval)</p>
<p><b>90° Vertical Elbow</b></p> <p><b>Part Number - 90000247</b> 54 x 117 mm Vertical elbow (oval-oval)</p>	<p><b>90° Horizontal Elbow</b></p> <p><b>Part Number - 90000248</b> 54 x 117 mm Horizontal elbow (oval-oval)</p>	<p><b>AirflexPro Round</b></p> <p>Figure 1. 90° bend</p> <p>Minimum radius = 2x diameter of duct</p>
<p><b>Ceiling or Wall Plenum Oval</b></p> <p><b>Part Number - 90000249</b> 54 x 117 mm 90° Ceiling / Wall Plenum</p>	<p><b>Ceiling or Wall Plenum Round</b></p> <p><b>Part Number - 90000250</b> 75 mm 90° Ceiling / Wall Plenum</p>	<p><b>AirflexPro Oval</b></p> <p>Figure 2. 90° Lateral bend</p> <p>Minimum radius = 3x diameter of duct</p> <p>Figure 3. 90° Horizontal bend</p> <p>Minimum radius = 3x height of duct</p> <p>AirflexPro Round and Oval semi rigid ducting performance data is recognised by the U.K Government as an input for the Standard Assessment Procedure (SAP Eligible) calculation. Fig 1-2 and 3 show how in this configuration without joints AirflexPro round and oval semi rigid ducting achieves the mechanical properties requirements set out in SAP Eligible specifications.</p>

- Connects AirflexPro Round or Oval through the ceiling to the extract / supply valve. Can be cut down for varying height of void.

# Accessories

## AirflexPro Accessories

- This range of AirflexPro accessories enable connection to the ventilating unit and also transformation from AirflexPro Round to Oval Duct to suit all ventilation applications.

<p><b>Sealing Rings Oval</b></p>  <p><b>Part Number - 90000254</b> 54 x 117 mm dia. AirflexPro Oval Sealing Ring (pack of 10)</p>	<p><b>Sealing Rings Round</b></p>  <p><b>Part Number - 9041133</b> 75 mm dia. AirflexPro Round Sealing Ring (pack of 10)</p>	<p><b>Spare Holding Clips</b></p>  <p><b>Part Number - 90000261</b> (pack of 10)</p>
<p><b>Sealing Cap Round</b></p>  <p><b>Part Number - 90000256</b> 78 mm Sealing Cap for AirflexPro Round Ceiling / Wall Plenum</p>	<p><b>Sealing Cap Oval</b></p>  <p><b>Part Number - 90000257</b> 54 x 117 mm Sealing Cap for AirflexPro Oval Ceiling / Wall Plenum</p>	<p><b>Sealing Cap for Distribution Box</b></p>  <p><b>Part Number - 90000267</b> 125 mm Inlet Seal for Distribution Boxes</p>
<p><b>Oval Spigot Connection</b></p>  <p><b>Part Number - 90000259</b> Oval Spigots for Distribution Boxes</p>	<p><b>Round Spigot Connection</b></p>  <p><b>Part Number - 90000260</b> Round Spigots for Distribution Boxes</p>	<p><b>Bayonet Cap - Distribution Box</b></p>  <p><b>Part Number - 90000258</b> 96 mm Sealing Cap for Spigot Holes in Distribution Boxes</p>

# Accessories

## AirflexPro Accessories

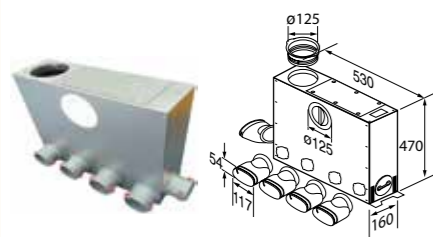
<p><b>Hygienic Caps</b></p>  <p><b>Part Number - 9041131</b> Hygienic cap for AirflexPro round (pack of 10)</p>	<p><b>Straight Connection</b></p>  <p><b>Part Number - 9041132</b> Connects AirflexPro round to AirflexPro round</p>	<p><b>90° Compact Elbow</b></p>  <p><b>Part Number - 9041139</b> 75 mm dia allows very small bend radius of duct</p>
<p><b>Straight Ceiling Outlet</b></p>  <p><b>Part Number - 9041141</b> 2 spigots for 75 mm piping and one spigot (125mm) for extract or supply valve</p>	<p><b>90° Floor Outlet</b></p>  <p><b>Part Number - 9041142</b> 2 spigots for 75 mm piping and one spigot (140mm) for floor grille (9041174)</p>	<p><b>90° Wall Outlet</b></p>  <p><b>Part Number - 9041144</b> 2 spigots for 75 mm piping and 200 mm x 50 mm opening for wall grille (9041175)</p>
<p><b>Straight Wall Outlet</b></p>  <p><b>Part Number - 9041143</b> 2 spigots for 75 mm piping and 200 mm x 50 mm opening for wall grille (9041175)</p>	<p><b>90° Floor Outlet – Round</b></p>  <p><b>Part Number - 90000441</b> 2 Spigots for 75 mm piping suitable for stainless steel floor grille 90000440</p>	<p><b>90° Wall/Floor/Ceiling Outlet-Oval</b></p>  <p><b>Part Number - 90000525</b> 2 Spigots for 54 x 114 mm Oval piping suitable for grilles 90000440 / 90000526 / 90000527 / 90000528 90000529 / 90000530 &amp; 90000531</p>

# Accessories

## AirflexPro Distribution Boxes

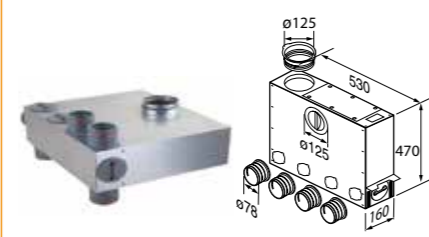
- Provides primary distribution point for AirflexPro Round and Oval Ducting from the Heat Recovery / or Ventilation unit from 5 to 15 ports with various dimensions and discharge positions.

### 5-Port Distribution Box (oval)



Part Number - 90000262

### 5-Port Distribution Box (round)



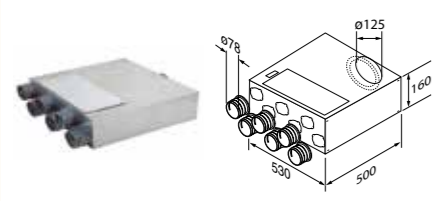
Part Number - 90000263

### 6-Port In-Line Distribution Box (round) Narrow



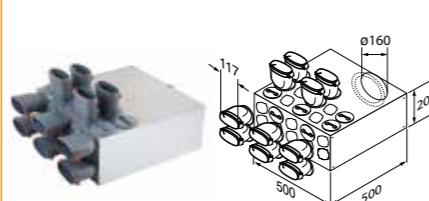
Part Number - 90000265

### 6-Port In-Line Distribution Box (round)



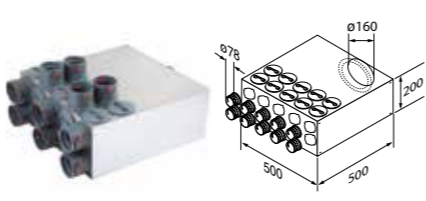
Part Number - 90000264

### 10-Port Distribution Box (oval)



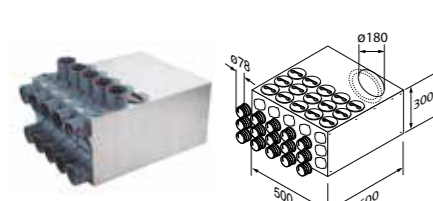
Part Number - 90000270

### 10-Port Distribution Box (round)



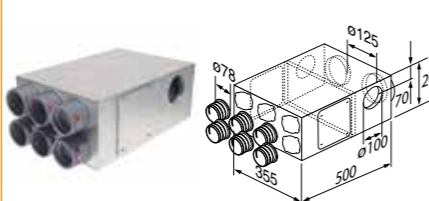
Part Number - 90000266

### 15-Port Distribution Box (round)



Part Number - 90000269

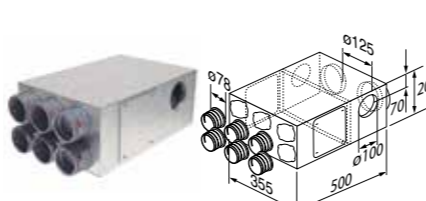
### Combi Distribution Box (L/H)



Part Number - 90000443

Enables supply and extract simultaneously connects to AirflexPro round 75 mm (up to 6 spigots) inlet 125 mm handed inlet

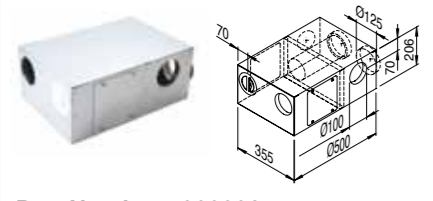
### Combi Distribution Box (R/H)



Part Number - 90000444

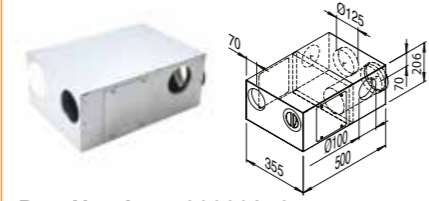
Enables supply and extract simultaneously connects to AirflexPro round 75 mm (up to 6 spigots) inlet 125 mm handed inlet

### Combination Distribution Box Supply Air Right



Part Number - 90000275  
125 / 100 / 100 mm dia

### Combination Distribution Box Supply Air Left



Part Number - 90000276  
125 / 100 / 100 mm dia

### 10-Port Distribution Box (round)



All distribution boxes supplied with mounting brackets. Supplied loose for ease of onsite installation

# Typical Installations

## Distribution Box Sound Attenuators

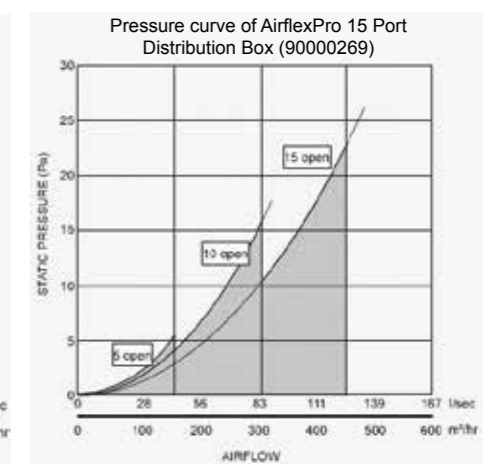
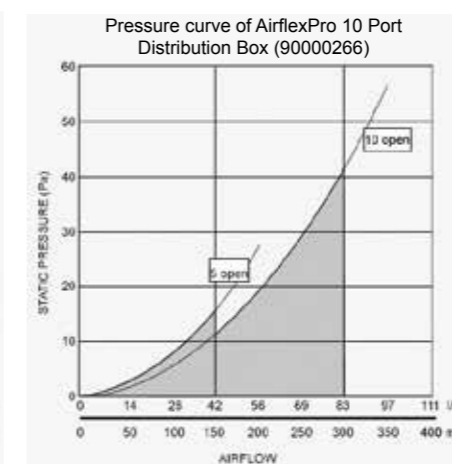
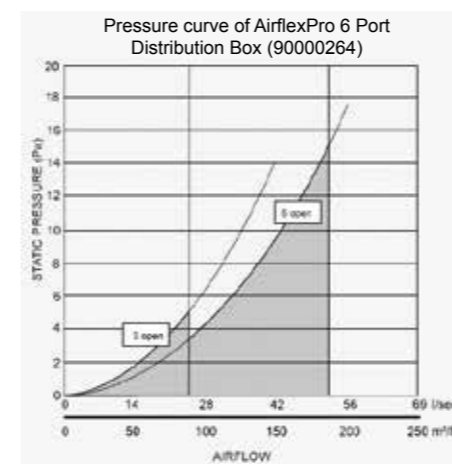
Distribution Box Part Number	90000266				90000264			90000263			90000269		
Position	D	D1, D3	D2	D4	D	D1	D2	D	D1	D2	D	D1, D3	D2
Sound Input dB(A)*	52.3				52.3			52.3					
Sound Output dB(A)		35.4	36.6	33.3		34.4	36.1		37.1	39.7		35.2	36.1
Attenuation Total dB(A)		16.9	15.8	19		17.9	16.3		15.2	12.7		17.1	16.3

Octave Band level Attenuation	Frequency (Hz)	Transmission (dB)*	Transmission (dB)*	Transmission (dB)*	Transmission (dB)*
	125	23	22.6	23.5	26.8
	250	21.8	21.3	24.2	19.4
	500	36.2	27.7	19.3	28.4
	1000	29.4	28.8	28.7	25.4
	2000	28.9	30.6	20.8	30.8
	4000	34.4	42.6	26.6	34.7
	8000	36.1	43.2	38.3	34.9

\* Sound Pressure Input dB(A) used is an average of common domestic MVHR unit as of date of testing.  
\* Sound power

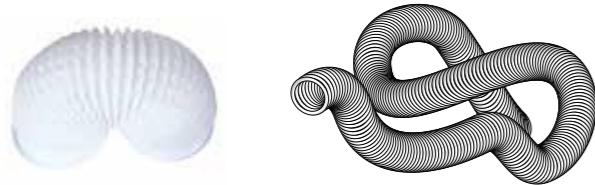
## Typical Distribution Box System Pressures



# Accessories

## AIRFLEX DUCTING

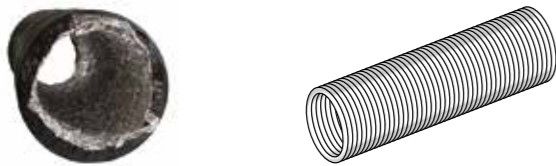
### Airflex Flexible Round PVC Hose



Part No.	Dimensions	Part No.	Dimensions
52641005	ø100 mm x 1 m	52641009	ø125 mm x 3 m
52641001	ø100 mm x 3 m	9041557	ø125 mm x 6 m
52641002	ø100 mm x 6 m	9041555	ø150 mm x 1 m
52641006	ø100 mm x 15 m	52641003	ø150 mm x 3 m
52641007	ø100 mm x 45 m	52641004	ø150 mm x 6 m
52641008	ø125 mm x 1 m		

- Flexible PVC ducting for general ventilation connection applications. Highly versatile, non degrading, operating temp of +6° – +50° fire resistance tested to BS 476. To overcome awkward installation where rigid duct is unable to be installed. Can be used with fans for kitchens, bathrooms, toilets, cooker hoods etc. For optimum performance duct should be as straight and taut as possible to ensure "best practice" installation.

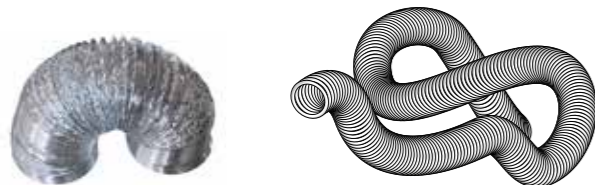
### Airflex Combi Flexible Ducting



Part No.	Dimensions	Part No.	Dimensions
9021285	ø100 mm x 3 m	9021287	ø152 mm x 6 m
9021292	ø100 mm x 5 m	9021290	ø152 mm x 10 m
9021289	ø100 mm x 10 m	9021295	ø200 mm x 5 m
9021286	ø152 mm x 3 m	9021288	ø200 mm x 6 m
9021294	ø152 mm x 5 m	9021291	ø200 mm x 10 m

- PVC coated aluminium ducting for general ventilation connection applications, with a degree of outer protection. Highly versatile, non degrading fire resistance tested to BS 476. Operating temp +6° – +50° coated in PVC to add extra protection from corrosion and tear damage. Can be used with fans for kitchens, bathrooms, toilets, cooker hoods etc. For optimum performance duct should be as straight and taut as possible to ensure "best practice" installation.

### Airflex Re-enforced Aluminium Flexible Ducting



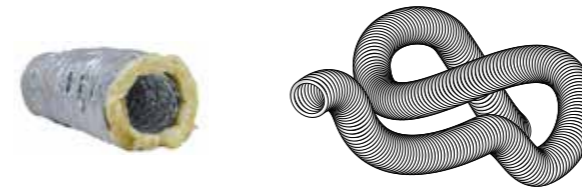
Part No.	Dimensions	Part No.	Dimensions
9021311	ø100 mm x 3 m	9021313	ø200 mm x 3 m
9021315	ø100 mm x 5 m	9021317	ø200 mm x 5 m
9021318	ø100 mm x 10 m	9021321	ø200 mm x 10 m
9021316	ø150 mm x 5 m	9021314	ø300 mm x 5 m
9021320	ø150 mm x 10 m		

- Aluminium re-enforced ducting for general connection applications, with a good degree of outer protection. Highly versatile, non degrading, fire resistant tested to BS 476. Re-enforced with a tough wire spiral to maintain bore and reduce collapse. To overcome awkward situations where rigid duct cannot be installed. Can be used with fans for kitchens, bathrooms, toilets, cooker hoods and also Mechanical Extract Ventilation and Heat Recovery ventilation installations.

For optimum performance duct should be as straight and taut as possible to ensure "best practice" installation.

# Accessories

## Airflex Re-enforced Aluminium Insulated Flexible Ducting



Part No.	Dimensions	Part No.	Dimensions
52662701	ø102 mm x 10 m	90000503	ø160 mm x 10 m
52662702	ø127 mm x 10 m	90000504	ø180 mm x 10 m
52662703	ø152mm x 10 m		

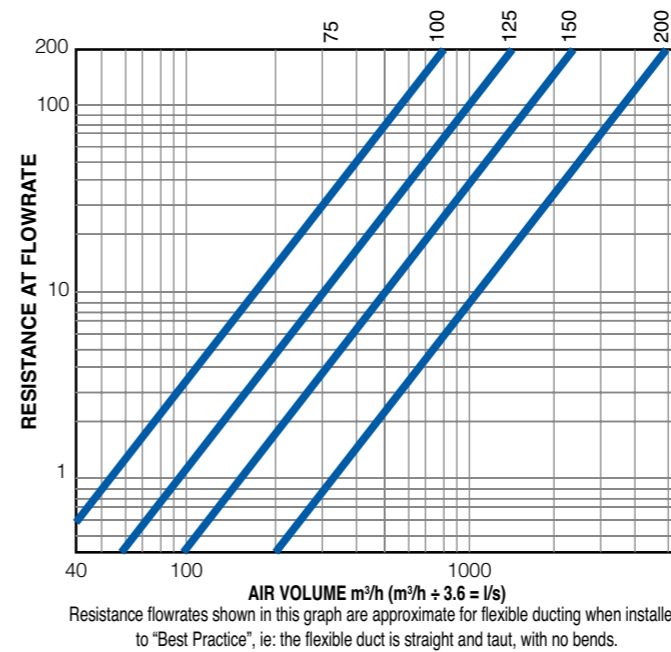
- Insulated and re-enforced aluminium ducting for general connection applications, where thermal conductivity and resistance are important. (outside the insulated envelope of a house for example). Duct can be used to connect fans in kitchens, bathrooms, toilets etc and also Mechanical Extract Ventilation and Heat Recovery Ventilation.

For optimum performance duct should be as straight and taut as possible to ensure "best practice" installation.

Airflex re-enforced aluminium insulated flexible ducting is made up with 25 mm microfibre and has a thermal conductivity  $\lambda$  in W/m.K at 10°C of 0.036 which is less than 0.04 W/(mK) which is the maximum allowed within the requirements of Domestic Ventilation Compliance Guide 2010, and is therefore compliant. It is suitable for temperatures of -30°C to +120°C and can be used up to a maximum 2000 Pa positive.

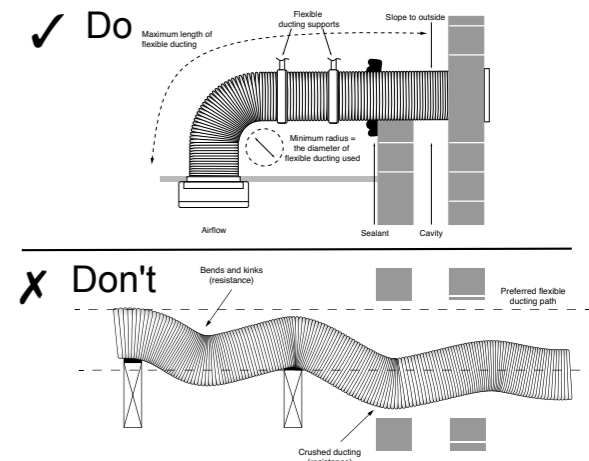
It has been tested to Fire rating BS 476 Part 6 Fire Propagation Test (passed) Part 7 Surface Spread of Flame (class I rating) Part 20 Fire Resistance (60 minutes).

## Airflex Flexible Ducting Resistance at Flowrate

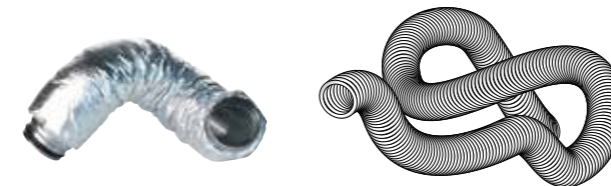


- To use: Look across for your air volume, look up to the dimension of flexible ducting, look left for the resistance per meter.

## BEST PRACTICE INSTALLATION



## Semi Flexible Insulated Sound Attenuators



Part No.	Dimensions	Dimensions
90000642	ø100 mm x 500 mm	26
90000643	ø125 mm x 500 mm	22
90000644	ø150 mm x 500 mm	21
90000645	ø160 mm x 1000 mm	29
90000646	ø200 mm x 1000 mm	23
90000647	ø250 mm x 1000 mm	20

- Semi Flexible Insulated Sound Attenuators are a perfect, cost effective solution for any ventilation system, where acoustic attenuation need addressing.

Manufactured using a strong flexible laminated outer sheath with a corrugated aluminium inner duct. In-between these two layers is a 25 mm thick mineral sound absorbing material. Each end of the attenuator has an engineered steel galvanised, male connection with integral rubber seal.

Inner duct and outer sheath comply with EN 13501-1 Fire classification of construction products and building elements.

\*With attenuator fully extended.

# Accessories

## AIRFLEX ISO - INSULATED RIGID DUCTING

- ISO pipe ducting, pre-insulated.
- Tough, durable, anti-static EPP construction.
- Fire retardant to EU-B2 - DIN 4102.
- Choice of components to suit any layout.
- Typically connects to MVHR units and distribution boxes and to outside for venting.
- Pre-insulated duct for when the ventilation unit is outside the warm envelope of the house. This helps to reduce condensation.

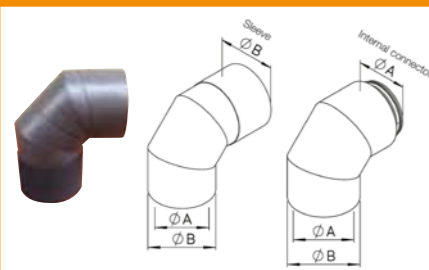
**Airflex ISO Pipe**



Part Number - 9041147     $\varnothing$ 125 mm x 2000 mm  
 Part Number - 90000505     $\varnothing$ 160 mm x 950 mm  
 Part Number - 90000465     $\varnothing$ 160 mm x 2000 mm  
 Part Number - 9041250     $\varnothing$ 180 mm x 1000 mm  
 Part Number - 90000475     $\varnothing$ 180 mm x 2000 mm

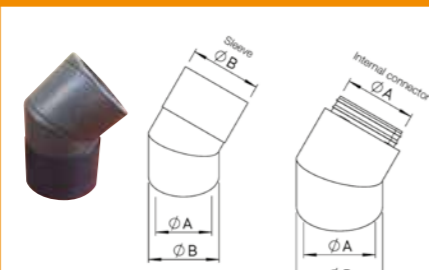
## AIRFLEX ISO BENDS AND CONNECTORS

**Sealing Cap Round**



Part Number - 9041152  
 $\varnothing$ 125 mm 90° ISO bend with collar  
 Part Number - 90000467  
 $\varnothing$ 160 mm 90° ISO bend with male/male connector  
 Part Number - 90000477  
 $\varnothing$ 180 mm 90° ISO bend with male/male connector

**Sealing Cap Oval**



Part Number - 9041154  
 $\varnothing$ 125 mm 45° ISO bend with collar  
 Part Number - 90000466  
 $\varnothing$ 160 mm 45° ISO bend with male/male connector  
 Part Number - 90000476  
 $\varnothing$ 180 mm 45° ISO bend with male/male connector

**Sealing Cap for Distribution Box**



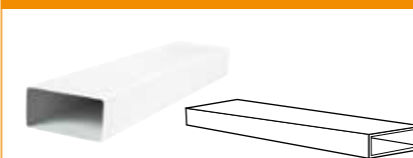
Part Number - 9041149  
 $\varnothing$ 125 mm ISO pipe female /female Connector (plastic)  
 Part Number - 90000468  
 $\varnothing$ 160 mm ISO pipe male / male Connector (plastic)  
 Part Number - 90000478  
 $\varnothing$ 160 mm ISO pipe male / male Connector (plastic)  
 $\varnothing$ 180 mm ISO pipe male / male connector (plastic)

# Accessories

## Airflat Ducting 204 mm x 60 mm

- Thin, discreet white channel ducting system for use when space is an issue, or for use in the visible area of the house.

**Flat Channel Ducting**



Part Number - 52641201  
 204 mm x 60 mm x 1 m  
 Part Number - 52641202  
 04 mm x 60 mm x 1.5 m

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641201	<1	1	1.5	3	5.2
52641202	<1	1.1	2.3	4.1	7.7

**Elbow / Plenum**



Part Number - 52641301  
 204 mm x 60 mm x 100 mm  $\varnothing$   
 Part Number - 9041200  
 204 mm x 60 mm x 125 mm  $\varnothing$   
 Part Number - 52641302  
 204 mm x 60 mm x 150 mm  $\varnothing$

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641301	3.5	15	29	66	117
9041200	3.4	12	24	64	110
52641302	3	11.4	20	41	65

**Horizontal Bend**



Part Number - 52641401  
 204mm x 60mm - 90°

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641401	0.8	4	8.3	17	33


**Flexible Joining Piece**



Part Number - 52641501  
 204 mm x 60 mm x 600 mm max

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641501	0.3	1.4	2.5	5.8	11.2

**Vertical Bend**



Part Number - 52641601  
 204 mm x 60 mm - 90°

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641601	1.2	5.1	9.7	22	44

**Horizontal Adapter (round / rectangle)**



Part Number - 51980001  
 204 mm x 60 mm x 125 mm  $\varnothing$

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
51980001	<1	1.4	2.7	6.5	11.4


**Horizontal T**



Part Number - 52641801  
 204 mm x 60 mm

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641801	vary on installation				


**Straight Connector**



Part Number - 52641701  
 204 mm x 60 mm

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641701	<1	<1	<1	<1	1.3

**Flat Channel Clip**



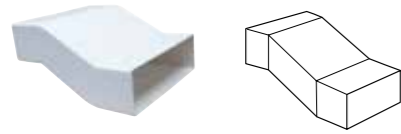
Part Number - 52641901  
 204 mm x 60 mm

For sealant for duct see page 31



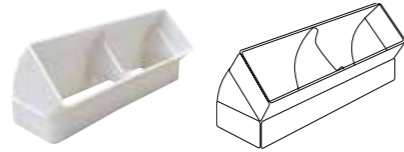
# Accessories

## Crossover Duct Connector



**Part Number - 90000482**  
204 mm x 60 mm

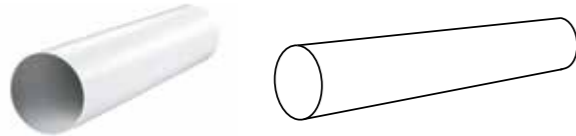
## Vertical Bend 45°



**Part Number - 90000483**  
204 mm x 60 mm - 45°

## Air Round Rigid Ducting

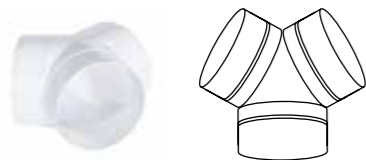
### Airflex Flexible Round PVC Hose



Part No.	Dimensions	Part No.	Dimensions
9021378	ø100 mm x 350 mm	9041543	ø125 mm x 1.5 m
90000048	ø100 mm x 1 m	9041546	ø125 mm x 2 m
90000051	ø100 mm x 2 m	9001903	ø150 mm x 350 mm
9041220	ø125 mm x 350 mm	90000049	ø150 mm x 1 m
9041547	ø125 mm x 1 m	90000052	ø150 mm x 2 m

- White plastic round rigid ducting can be used as ducting as part of a larger system or as a component cut down. Where possible to ensure "best practice" and "installed performance" of the fan or ventilation unit it is advisable to use a rigid or semi rigid duct system to minimise bends and duct resistance. Fire tested to UL94 v2 / BS 476 these PVC rigid ducts are available in a versatile and wide range of sizes.

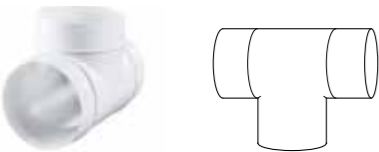
## Y Piece



**Part Number - 9041556**  
ø125 mm M

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
9021378	<1	<1	<1	<1	1.1
90000048	<1	<1	1.4	2.2	3.1
90000051	<1	1.6	2.8	4.4	6.2
9041220	<1	<1	<1	<1	<1
9041547	<1	<1	<1	<1	1.38
9041543	<1	<1	<1	1.7	2.76
9041546	<1	<1	1.2	2.3	3.6
9001903	<1	<1	<1	<1	<1
90000049	<1	<1	<1	<1	1.2
90000052	<1	<1	<1	1.1	2.4

## Equal T Piece



**Part Number - 9041461**  
100 x 100 x 100 mm ø M  
**Part Number - 9041201**  
125 x 125 x 125 mm ø M  
**Part Number - 9041545**  
150 x 150 x 150 mm ø M

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
9041461	vary on installation				
9041201	vary on installation				
9041545	vary on installation				

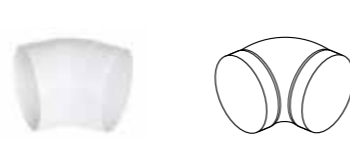
## 90° Round Elbow



**Part Number - 90000054**  
ø100 mm M  
**Part Number - 9041542**  
ø125 mm M  
**Part Number - 90000055**  
ø150 mm M

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
90000054	2.9	5.4	21	43	78
9041542	<1	4	7.9	16	34
90000055	<1	2.1	4	9.4	17

## 45° Bend



**Part Number - 9041544**  
ø125 mm M

Part No.	Resistance (Pa) at flow rate				
	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
9041544	<1	1.7	2.8	6.5	12

M = Male connection  
For sealant for duct see page 31

# Accessories

## DUCT REDUCERS

- Plastic rigid ducting connections enables design of complex duct systems or for use as components in larger systems

### Straight Reducer



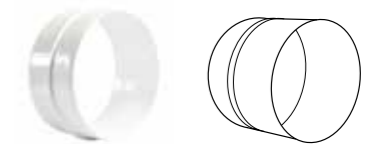
**Part Number - 51979601**  
ø125 mm to 100 mm M  
**Part Number - 90000060**  
ø150 mm to 125 mm M  
**Part Number - 90000061**  
ø200 mm to 150 mm M

### Offset Reducer



**Part Number - 52644101**  
ø125 mm to 100 mm M  
(fits inside pipe 125 mm - male and accepts an offset 100 mm pipe - female)

### Round Pipe Connector

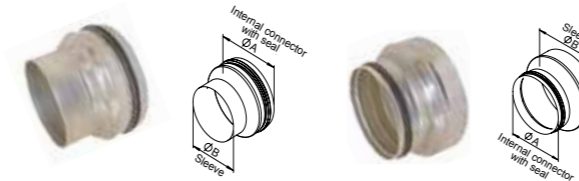


**Part Number - 90000019**  
ø100 mm M  
**Part Number - 52644001**  
ø125 mm M  
**Part Number - 90000058**  
ø150 mm M  
**Part Number - 90000059**  
ø200 mm M

M = Male connection

## AIRFLEX ISO CONNECTIONS

### ISO Reducing Connector



**Part No.**      **Dimensions**  
**90000470**    ø160 mm ISO Pipe male with seal to ø125 mm  
**90000471**    ø160 mm ISO Pipe male with seal to ø180 mm  
**90000480**    ø180 mm to 160 mm pipe male / male with seals  
**90000497**    ø200 mm female to ø160 mm male with seal  
**90000500**    ø200 mm female to ø180 mm male with seal

### ISO Coupling

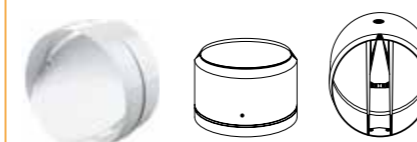


**Part Number - 9041191**  
ø125 mm male / male coupling with seals  
**Part Number - 90000469**  
ø160 mm male / male coupling with seals  
**Part Number - 9041232**  
ø200 mm male / male coupling with seals

## BACKDRAUGHT FLAP

- Backdraught flaps to reduce the ingress of air from the outside and reduce wind and outside noise disturbance.

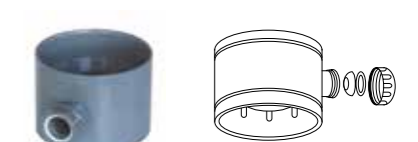
### Backdraught Flap



**Part Number - 51990601**  
ø100 mm  
**Part Number - 52365001**  
ø150 mm

- A selection of roof terminal solutions allowing supply or extract through the roof of a dwelling. Both universal for multiple sizes and size specific products are available for pitched and flat roof applications.

### Condensation Trap



**Part Number - 51978301**  
ø100 mm  
**Part Number - 52364801**  
ø150 mm

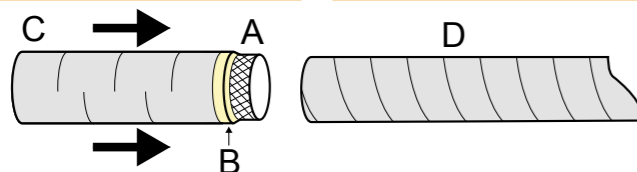
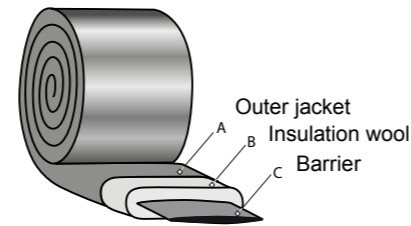


# Accessories

## THERMOSLEEVE INSULATION JACKET

- The Airflow Thermosleeve Insulation Jacket is a thermally insulated outer jacket designed to be wrapped around ductwork that is located outside of the thermal envelope of a building. The jacket consists of an aluminium laminate outer jacket and a glass wool insulation layer which prevents condensation build-up and minimises heat loss in ductwork.
- The Thermosleeve range is offered in two thicknesses of glass wool insulation - 25 mm (THERMOSLEEVE 25) and 50 mm (THERMOSLEEVE 50) and has a thermal conductivity of 0.037 W/m.K, which complies with SAP 10.2 standards. This makes it an ideal energy efficient solution for domestic and commercial applications.
- Designed with installers in mind, there is a protective polyester film Barrier that simplifies the mounting, saving both time and preventing unnecessary contact with the glass wool layer. The protective Barrier can be fixed to the ductwork with tape on one end and pulled from the other end of the duct through the Thermosleeve insulation jacket, while a second installer guides and holds it in place.
- Products are shipped as rolls of 10 M as standard and can be cut to length as required.

Thermosleeve 25		Thermosleeve 50	
Part No.	Dimensions	Part No.	Dimensions
90002045	82 mm x 10 m	90002053	82 mm x 10 m
90002046	102 mm x 10 m	90002054	102 mm x 10 m
90002047	127 mm x 10 m	90002055	127 mm x 10 m
90002048	152 mm x 10 m	90002056	152 mm x 10 m
90002049	160 mm x 10 m	90002057	160 mm x 10 m
90002050	180 mm x 10 m	90002058	180 mm x 10 m
90002051	203 mm x 10 m	90002059	203 mm x 10 m
90002052	254 mm x 10 m	90002060	254 mm x 10 m



A = Polyester Barrier  
B = Glass Wool  
C = Outer Jacket  
D = Ductwork

# Accessories

## THERMOSLEEVE INSULATION JACKET

### TECHNICAL DATA

Temperature Range	-30°C to 140°C
Operating Pressure	up to +2000 Pa
Barrier Material	Polyester film
Glass Woold Blanket	25mm, 16kg/m <sup>3</sup>
Outer Jacket Material	Alu/Poly laminate
R-Value Glass Wool (Thermosleeve 25 / 50)	0.037W/m.K
Classifications	EU (EN 13501-1): Bs1,d0 FR (NF) M1 BS476 Part 6+7 Class 0

### DUCT COMPATIBILITY

Part No.	Size	Insulation Thickness (mm)	Duct Compatibility (Ø)
90002045	ø82 mm x 10 M	25 mm	75 mm
90002046	ø102 mm x 10 M	25 mm	100 mm
90002047	ø127 mm x 10 M	25 mm	125 mm
90002048	ø152 mm x 10 M	25 mm	150 mm
90002049	ø160 mm x 10 M	25 mm	160 mm
90002050	ø180 mm x 10 M	25 mm	180 mm
90002051	ø203 mm x 10 M	25 mm	200 mm
90002052	ø254 mm x 10 M	25 mm	250 mm
90002053	ø82 mm x 10 M	50 mm	75 mm
90002054	ø102 mm x 10 M	50 mm	100 mm
90002055	ø127 mm x 10 M	50 mm	125 mm
90002056	ø152 mm x 10 M	50 mm	150 mm
90002057	ø160 mm x 10 M	50 mm	160 mm
90002058	ø180 mm x 10 M	50 mm	180 mm
90002059	ø203 mm x 10 M	50 mm	200 mm
90002060	ø254 mm x 10 M	50 mm	250 mm

# Accessories

## Airflex Retro

Discreet coving ducting



### KEY FEATURES

- Designed for both new build and renovation projects
- Easy installation in 3 steps
- 40% saving on installation time over conventional ducting systems
- COANDA effect supply valves enable a better range of circulating ventilation
- Imminently suitable for standard footprint building design
- Can be painted to suit inside décor of dwelling
- Negates the need for suspended ceiling to hide the ducting system
- Fire retardant to EU-B2 rating DIN 4102

### Retro Ducting System

This versatile and innovative ducting is designed around a coving system that can be incorporated within the visible part of the house or flat and is ideally suited to a standard footprint building design where there is a common entrance hallway with all the rooms branching off the hallway.

Retro ducting is lightweight, versatile and easy to fit making it the perfect choice for a discreet coving ducting application. This system can be used for System 4 (Mechanical Ventilation with Heat Recovery) in a supply and extract function and also System 3 (Mechanical Extract Ventilation) as an extract only duct system.

#### Inner Angle with Stucco Profile



**Part Number - 90000281**  
100 / 100 mm dia (box of 2)

#### Distribution Box Sealing Cap



**Part Number - 90000282**  
100 mm dia

#### Outer Angle with Stucco Profile



**Part Number - 90000283**  
100 / 100 mm dia (box of 2)

#### Wall Connecting Pipe



**Part Number - 90000284**  
100 mm dia PVC

#### Duct with Square Profile



**Part Number - 90000445**  
1 m length (box of 4)

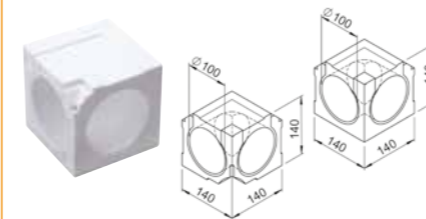
#### T Piece with Square Profile



**Part Number - 90000446**  
100 / 100 / 100 mm dia (box of 4)

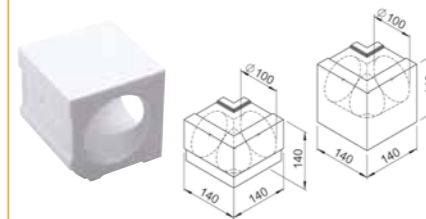
# Accessories

#### Inner Angle with Square Profile



**Part Number - 90000447**  
100 / 100 mm dia (box of 2)

#### Outer Angle with Square Profile



**Part Number - 90000448**  
100 / 100 mm dia (box of 2)

#### Long Connector Set



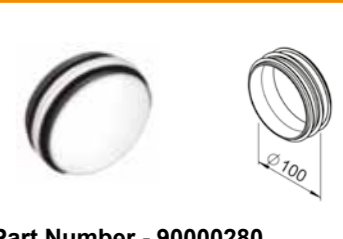
**Part Number - 90000278**  
100 mm (with clamp)

#### T-Piece with Stucco Profile



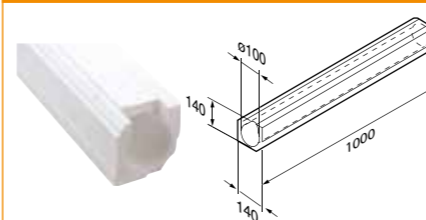
**Part Number - 90000279**  
100 / 100 / 100 mm dia (box of 4)

#### Short Connector



**Part Number - 90000280**  
100 mm dia

#### Duct with Stucco Profile

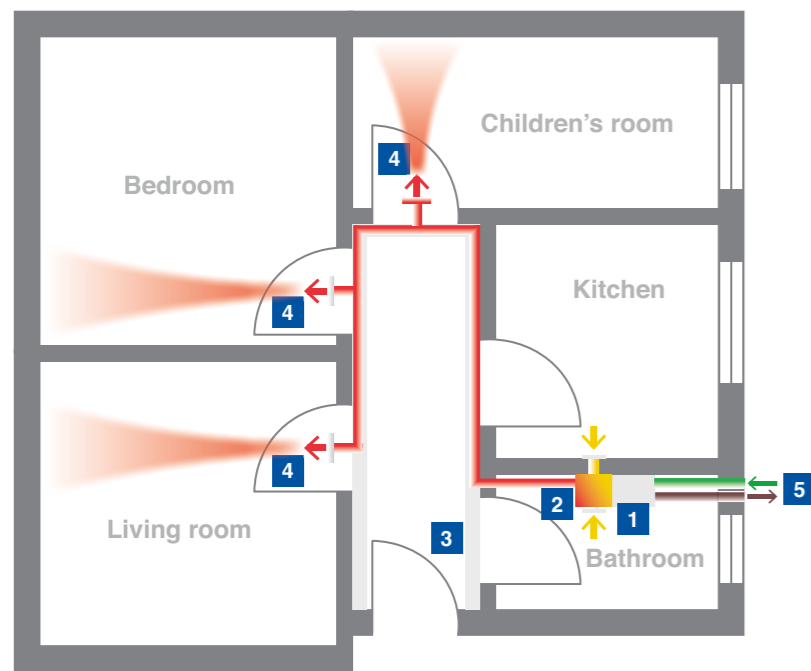


**Part Number - 90000277**  
1m length (box of 4)

# Accessories

## How Retro Ducting Works (System 4 - MVHR)

1. Linked to an Airflow Duplexvent Domestic Heat Recovery unit that saves heat from indoors and transfers it to incoming fresh air providing an excellent indoor air quality.
2. Unique Retro Duct combination distribution box collects extracted "stale, moist" air from kitchen and bathroom whilst distributing fresh air to bedrooms and living rooms. It also absorbs some of the sound from different rooms that can be transmitted through the ventilation system.
3. Retro Ducting made from compressed EPS, looks part of the inside décor of the house as it carries the building ventilation air to and from its destination. The fixing clamps and circle system make installation a simple 3 step process.
4. Stylish 'COANDA' effect Retro air valves for supply and extract. The aerodynamic phenomenon known as the COANDA effect in conjunction with strategic placement of these air valves causes the supply air from the valve to 'stick' longer to the surface of the ceiling allowing it to be thrown further across the room before it drops at the same velocity that it would if the valve was in free air. This enables a better range of circulating ventilation in the supplied rooms ensuring a high level of good indoor air quality.
5. Supply / extract to Heat Recovery unit achieved through Airflow ISO - pre insulated piping.
6. Supply / extract to outside air.



- = Supply Air to habital rooms
  - = Intake Air from outside
  - = Extracted Air from wet rooms
  - = Exhaust Air to outside
1. MVHR unit
  2. Distribution box
  3. Retro ducting
  4. Coanda valves above door
  5. Intake and extract

### How to Fit Retro Ducting



Step 1

Step 2

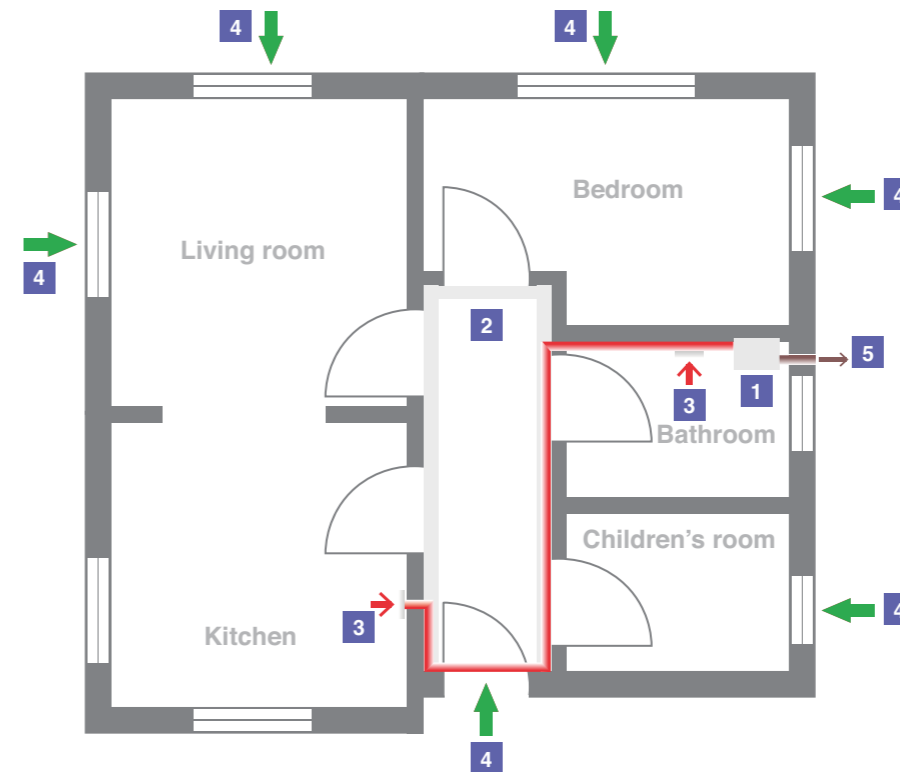
Step 3



# Accessories

## How Retro Ducting Works (System 3 - MEV)

1. Linked to an Airflow - Mechanical Extract Ventilation (MEV) unit that extracts from moisture producing or wet rooms allowing fresh air in via natural ventilation.
2. Retro Ducting made from compressed EPS, looks part of the inside décor of the house as it carries the building ventilation from its source. The fixing clamps and circle system make installation a simple 3 step process.
3. Extract valves combine a low profile stylish front for extraction of air from required areas. This enables a good range of circulating ventilation as extracted air is replaced through natural ventilation.
4. Natural ventilation replaces extracted stale / moist air through window sills, trickle vents and doors.
5. Extract to outside air.



- = Extracted Air
- = Exhaust Air
- = Extracted Air
- ➔ = Natural Ventilation

### How to Fit Retro Ducting



Step 1

Step 2

Step 3

# Accessories

## SQUARE EXTERNAL GRILLES

- Plastic external grilles in a spread of colours and sizes. Various colours and various sizes. F/S denotes it comes with a flyscreen.
- These grilles comply with the requirements of the Domestic Ventilation Compliance guide 2010 that states terminal opening is a minimum of 90% of the free area of the ducting being used.

Brown	White	Grey
 <p><b>Part No.</b>  <b>52641104</b> 140 x 140 x ø100 mm  <b>9021012</b> 140 x 140 x ø100 mm - F/S  <b>9041222</b> 160 x 160 x ø125 mm  <b>52641109</b> 180 x 180 x ø150 mm</p>	 <p><b>Part No.</b>  <b>52641101</b> 140 x 140 x ø100 mm  <b>9021172</b> 140 x 140 x ø100 mm - F/S  <b>9041221</b> 160 x 160 x ø125 mm  <b>52641106</b> 180 x 180 x ø150 mm</p>	 <p><b>Part No.</b>  <b>52641102</b> 140 x 140 x ø100 mm  <b>52641107</b> 180 x 180 x ø150 mm</p>
Terracotta	Beige	Gravity Flap - White
 <p><b>Part No.</b>  <b>52641103</b> 140 x 140 x ø100 mm  <b>9021082</b> 140 x 140 x ø100 mm - F/S  <b>9041223</b> 160 x 160 x ø125 mm  <b>52641108</b> 180 x 180 x ø150 mm</p>	 <p><b>Part No.</b>  <b>52641105</b> 140 x 140 x ø100 mm  <b>52641110</b> 180 x 180 x ø150 mm</p>	 <p><b>Part No.</b>  <b>51791101</b> 140 x 140 x ø100 mm  <b>9041468</b> 160 x 160 x ø125 mm  <b>71984001</b> 180 x 180 x ø150 mm</p>

## ICON ROUND EXTERNAL GRILLES

- For use ideally with our range of iCON fans, multiple sizes and colours available.
- For Use With Round Rigid Duct Only.
- These grilles comply with the requirements of the Domestic Ventilation Compliance guide 2010 that states terminal opening is a minimum of 90% of the free area of the ducting being used.

Terracotta	White
 <p><b>Part No.</b>  <b>72596201</b> ø100 mm A = ø180 mm  <b>72593101</b> ø150 mm B = ø240 mm</p>	 <p><b>Part No.</b>  <b>72596202</b> ø100 mm A = ø180 mm  <b>72593102</b> ø150 mm B = ø240 mm</p>

# Accessories

## AIRBRICKS

- Airbricks fit in neatly in a standard brick size for discreet supply or extract applications where a standard grill may not be suitable.
- These Airbrick grilles comply with the requirements of the Domestic Ventilation Compliance guide 2010 that states terminal opening is a minimum of 90% of the free area of the ducting being used.

Brown	Terracotta	Beige
 <p><b>Part No.</b>  <b>51849605</b> 204 mm x 60 mm</p>	 <p><b>Part No.</b>  <b>52642010</b> 204 mm x 60 mm</p>	 <p><b>Part No.</b>  <b>52642002</b> 204 mm x 60 mm</p>
With Internal Damper - White	With Internal Damper - Terracotta	Double Airbrick - C/W Adaptor
 <p><b>Part No.</b>  <b>51978701</b> 204 mm x 60 mm</p>	 <p><b>Part No.</b>  <b>51978702</b> 204 mm x 60 mm</p>	 <p><b>Part No.</b>  <b>90000077</b> 204 mm x 120 mm Terracotta  <b>90000076</b> 204 mm x 120 mm White  <b>90000132</b> 204 mm x 120 mm Stone</p> <p>Fits 204 x 60 Duct</p>

## STAINLESS STEEL EXTERNAL GRILLES

- Outside stainless steel grilles for greater weather protection suitable where a greater aesthetic appeal is necessary
- These grilles comply with the requirements of the Domestic Ventilation Compliance guide 2010 that states terminal opening is a minimum of 90% of the free area of the ducting being used.

Terracotta	Beige	Gravity Flap - White
 <p>Available in 2 sizes            120-145, 52-62, 165-192</p> <p><b>Part No.</b>  <b>52644501</b> ø100 mm  <b>9041226</b> ø125 mm  <b>52644601</b> ø150 mm</p>	 <p>Available in 4 sizes            120-195, 52-73, 165-253</p> <p><b>Part No.</b>  <b>52644701</b> ø100 mm  <b>9041228</b> ø125 mm  <b>52644801</b> ø150 mm  <b>90000506</b> ø160 mm  <b>9041229</b> ø180 mm</p>	 <p><b>Part No.</b>  <b>9041230</b> ø125 mm  <b>9041231</b> ø150 mm</p>

# Accessories

## STAINLESS STEEL EXTERNAL GRILLES

### Regal Side Entry Cowl



**Part No.**  
**90000449** To suit ø125 mm ISO duct  
**90000498** To suit ø160 mm ISO duct  
**90000501** To suit ø180 mm ISO duct

### Regal Front Entry Cowl



**Part No.**  
**90000450** To suit ø125 mm ISO duct  
**90000499** To suit ø160 mm ISO duct  
**90000502** To suit ø180 mm ISO duct

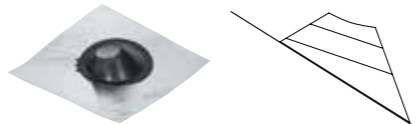
## ROOF COWLS & TRAPS

### Grey Roof Cowl



**Part No.**  
**9004554** Roof cowl A.B.S ø100 mm

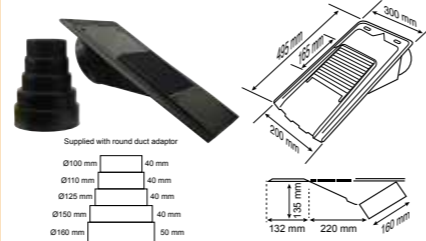
### Roof Slate



Suitable for 100mm and 125mm rigid round duct

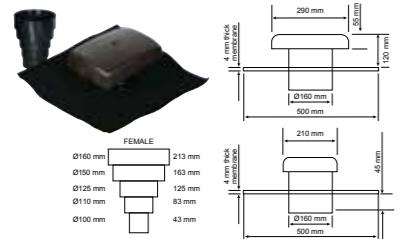
**Part No.**  
**9004597** 450 mm Pitched roof  
**9004598** 600 mm Pitched roof

### Airslate & Adaptor



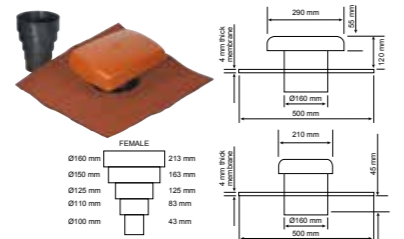
**Part No.**  
**90000453** ø100/110/125/150/160 - Slate

### Universal Roof Terminal & Adaptor



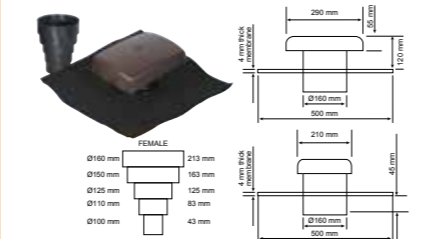
**Part No.**  
**90000349** ø100 mm / 110 / 125 / 150 / 160 mm - Anthracite

### Universal Roof Terminal & Adaptor



**Part No.**  
**90000351** ø100 mm / 110 / 125 / 150 / 160 mm - Terracotta

### Universal Roof Terminal & Adaptor



**Part No.** **Dimensions**  
**90000350** ø100 mm / 110 / 125 / 150 / 160 mm - Sepia

Duct size (mm)	Vent free area (mm <sup>2</sup> )	Pressure / Airflow Resistance Readings (Pa) (vent system pressure)			
		100m <sup>3</sup> /h	200m <sup>3</sup> /h	400m <sup>3</sup> /h	800m <sup>3</sup> /h
100	7,850	3.0	12.0	48.0	192.0
110	8,850	4.5	18.0	72.0	288.0
125	12,250	5.3	21.2	84.8	339.2
150	17,775	6.5	26	104	416
160	18,750	6.5	26	104	416

Duct size (mm)	Vent free area (mm <sup>2</sup> )	Pressure / Airflow Resistance Readings (Pa) (vent system pressure)			
		100m <sup>3</sup> /h	200m <sup>3</sup> /h	400m <sup>3</sup> /h	800m <sup>3</sup> /h
100	7,850	3.0	12.0	48.0	192.0
110	8,850	4.5	18.0	72.0	288.0
125	12,250	5.3	21.2	84.8	339.2
150	17,775	6.5	26	104	416
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Duct size (mm)	Vent free area (mm <sup>2</sup> )	Pressure / Airflow Resistance Readings (Pa) (vent system pressure)			
		100m <sup>3</sup> /h	200m <sup>3</sup> /h	400m <sup>3</sup> /h	800m <sup>3</sup> /h
100	7,850	3.0	12.0	48.0	192.0
110	8,850	4.5	18.0	72.0	288.0
125	12,250	5.3	21.2	84.8	339.2
150	17,775	6.5	26	104	416
160	18,750	6.5	26	104	416

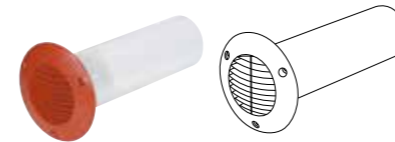
For sealant for duct see page 31



## VENTING KITS

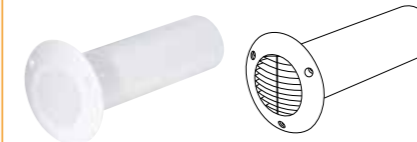
- A range of connecting ducts and grilles to connect your Airflow fan to the outside, already with a grill provided. Various sizes and colours available. Will also connect to new Airflow fans, check the diameter required.
- These venting kit grilles comply with the requirements of the Domestic Ventilation Compliance Guide 2010 that states terminal opening is a minimum of 90% of the free area of the ducting being used.

### Cavity Wall Kit - Terracotta



**Part Number - 72643201**  
 ø100 mm x 350 mm Rigid duct  
**Part Number - 72643203**  
 ø150 mm x 350 mm Rigid duct

### Cavity Wall Kit - White



**Part Number - 72643202**  
 ø100 mm x 350 mm Rigid duct  
**Part Number - 72643204**  
 ø150 mm x 350 mm Rigid duct

### High Rise Cavity Wall Kit - Cowl / Rubber Seal



**Part Number - 9021451**  
 ø100 mm Rigid duct

This high rise cavity wall kit enables installation via insertion from the inside of the dwelling, so no access to the outside of the property is required.

### Flexible Wall Kit - Terracotta



**Part Number - 72643601**  
 ø100 mm 3 m Ducting  
**Part Number - 90000437**  
 ø125 mm 3 m Ducting  
**Part Number - 72643603**  
 ø150 mm 3 m Ducting

### Flexible Wall Kit - White



**Part Number - 72643602**  
 ø100 mm 3 m Ducting  
**Part Number - 90000438**  
 ø125 mm 3 m Ducting  
**Part Number - 72643604**  
 ø150 mm 3 m Ducting

### In-Line Flexible Ducting Kit



**Part Number - 9041183**  
 ø100 mm x 6 m  
**Part Number - 9041184**  
 ø125 mm x 6 m  
**Part Number - 9041185**  
 ø150 mm x 6 m

For use with Aventa. Comes with exhaust valve, duct, outside gravity flap and fitting clips.

### Rigid Wall Kit - Terracotta



**Part Number - 900001015**  
 ø100 mm x 350 mm Rigid Duct  
**Part Number - 900001016**  
 ø125 mm x 350 mm Rigid Duct  
**Part Number - 900001017**  
 ø150 mm x 350 mm Rigid Duct

### Rigid Wall Kit - White



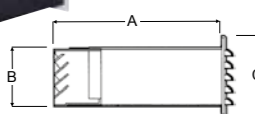
**Part Number - 900001018**  
 ø100 mm x 350 mm Rigid Duct  
**Part Number - 900001019**  
 ø125 mm x 350 mm Rigid Duct  
**Part Number - 900001020**  
 ø150 mm x 350 mm Rigid Duct

# Accessories

## BACKGROUND VENTILATORS

- The Airflow Wallvent Range is a range of passive ventilators that offer a complete solution for natural ventilation that naturally provide the effective ventilation required in a dwelling and are suited to the airtight construction of new homes. Like trickle vents, wall vents provide an important inlet for air circulating around the dwelling. Stale air can then be expelled from the dwelling via continuous (MEV) or intermittent extract systems.

**215 x 72mm Wallvent Kit**



**Part Numbers –**  
**90001525**  
 215x72mm Wallvent Kit - Terracotta  
**90001526**  
 215x72mm Wallvent Kit - Brown  
**90001527**  
 215x72mm Wallvent Kit - Black  
**90001528**  
 215x72mm Wallvent Kit - Buff

**230 x 90mm Wallvent Kit**



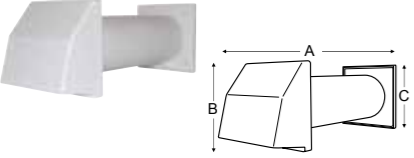
**Part Numbers –**  
**90001738**  
 230x90mm Wallvent Kit - Terracotta  
**90001739**  
 230x90mm Wallvent Kit - Brown  
**90001740**  
**230x90mm Wallvent Kit - White**

**125mm Wallvent Kit**



**Part Numbers –**  
**90001741**  
 125mm Wallvent Kit - Brown  
**90001742**  
 125mm Wallvent Kit - Terracotta  
**90001743**  
 125mm Wallvent Kit - White

**100mm Wallvent Kit**



**Part Numbers –**  
**90001744**  
 100mm Wallvent Kit - Brown  
**90001745**  
 100mm Wallvent Kit - White

**TECHNICAL DATA**

Model	Equivalent Free Area (mm <sup>2</sup> )
215 X 72mm Wallvent Kit	5825
230 X 90mm Wallvent Kit	3370
125mm Wallvent Kit	6499
100mm Wallvent Kit	4044

Dimensions	A (mm)	B (mm)	C (mm)	Duct Size (mm) (Ø)
215 X 72mm Wallvent Kit	335	71.5 x 215	100 x 250	285 x 215
230 X 90mm Wallvent Kit	350	260 x 120	265 x 125	285 x 90
125mm Wallvent Kit	415	200 x 190	165 x 165	Ø125 x 300
100mm Wallvent Kit	395	150 x 150	150 x 150	Ø100 x 300

# Accessories

## WALLVENT VALVE KITS

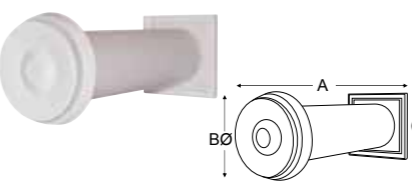
- The Wallvent Valve Kits offer a stylish alternative to traditional airbrick ventilators. The Wallvent 125 Basic Valve Kit offers manual volume flow adjustment by rotating the valve disc. Turning the valve increases the equivalent area therefore allowing more air to flow into the room. The internal valve compliments exiting ventilating fans.
- The Wallvent 100 Thermo Valve Kit offers fully automated demand-based air volume control. The built-in thermostat regulates the size of the opening and operates in a temperature of -6°C to +20°C. The valve disc can also be manually adjusted to the desired setting. As the temperature decreases, the damper closes, and then opens again as the temperature increases. Also comes with a washable G3 filter.

**Wallvent 125 Basic Valve Kit**



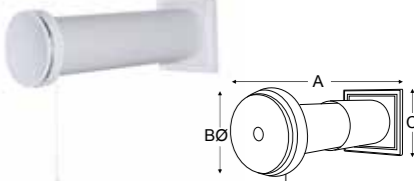
**Part Numbers –**  
**90001768**  
 Wallvent 125 Basic Valve Kit - White  
**90001776**  
 Wallvent 125 Basic Valve Kit - Brown  
**90001777**  
 Wallvent 125 Basic Valve Kit - Terracotta  
**90001778**  
 Wallvent 125 Basic Valve Kit - Grey

**Wallvent 100 Thermo Valve Kit**

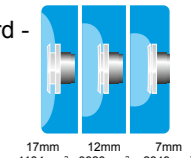


**Part Numbers –**  
**90001747**  
 Wallvent 100 Thermo Valve Kit - White  
**90001781**  
 Wallvent 100 Thermo Valve Kit - Brown  
**90001782**  
 Wallvent 100 Thermo Valve Kit - Terracotta

**Wallvent 100 Pullcord**



**Part Numbers –**  
**90001908**  
 Wallvent 100 Pullcord - White  
**90001909**  
 Wallvent 100 Pullcord - Brown  
**90001910**  
 Wallvent 100 Pullcord - Terracotta



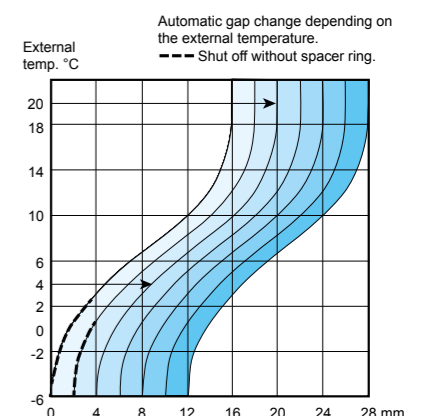
**TECHNICAL DATA**

Opening (mm)	Equivalent Free Area (mm <sup>2</sup> )*		
	8mm	10mm	12mm
Wallvent 125 Basic	3001	3637	4273
Wallvent 100 Thermo	1946	2429	2446
Opening (mm)	7mm	12mm	17mm
Wallvent 100 Pullcord	2849	3828	4184

Dimensions (mm)	A	B (Ø)	C	Duct Size (Ø)
Wallvent 125 Basic	381	175	187 x 187	125
Wallvent 100 Thermo	390	160	154 x 154	100
Wallvent 100 Pullcord	390	160	154 x 154	100

- The Wallvent 100 Pullcord offers manual volume flow adjustment using an integrated free-hanging pull cord with a three-level locking mechanism. The supply air flows in through the disc valve and is optimally distributed into the habitable room.



# Accessories

## ACOUSTIC ACCESSORIES

### Acoustic Humidity Air Vent



**Part Number - 9041306**  
425 mm x 45 mm x 64 mm

### Acoustic Wall Vent



**Part Number - 9041323**  
SC130 R 30 m<sup>3</sup>/h

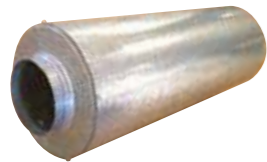
### Acoustic Wall Vent



**Part Number - 9041324**  
SC125 R 22 m<sup>3</sup>/h

Round vent has built in background flap

### Circular Attenuators



**Part Number**  
**9000115** 125 mm x 600 mm  
**9541176** 125 mm x 900 mm  
**9541177** 125 mm x 1250 mm

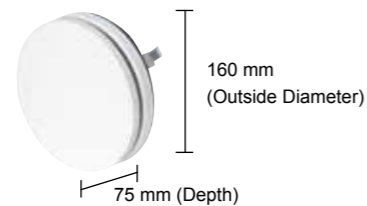
## AIR VALVES EXTRACT (E) & SUPPLY (S)

### Plastic Adjustable Air Valve (S)



**Part Number - 90000339**  
ø125 mm Directional supply  
Direct the airflow from this valve to the area of your choice in the room

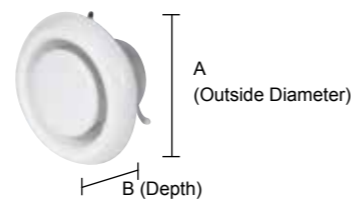
### Metal Adjustable Air Valve (S)



**Part Number - 9041168**  
ø125 mm

• A range of plastic and metal supply and extract air valves. Multiple sizes for all ventilation applications.

### Plastic Adjustable Air Valve (E)



**Part Number - 9020152**  
ø100 mm (A-140 x B-60 mm)

**Part Number - 90000340**  
ø125 mm (A-165 x B-65 mm)

**Part Number - 9020153**  
ø150 mm (A-185 x B-55 mm)

**Part Number - 9020154**  
ø200 mm (A-245 x B-80 mm)

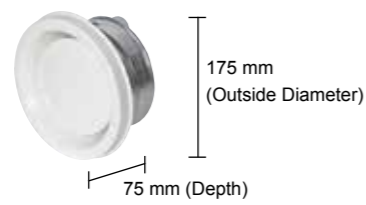
Fusible link release closes the valve when temperature reaches 72°C sealing the duct from fire and smoke ingress. Fusible link release sits inside duct behind the valve approx 35 mm.

### Metal Adjustable Air Valve (E)



**Part Number - 9041172**  
ø125 mm

### Fire protection extract valve



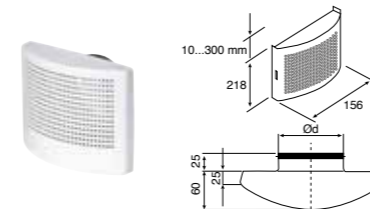
**Part Number - 90000126**  
ø125 mm

# Accessories

## SPECIALITY AIR VALVES

• A range of special air valves designed for when a greater degree of aesthetics is required.

### Coanda Supply Air Valve - White



**Part Number - 90000285** ø100 mm  
**Part Number - 9041166** ø125 mm

### Supply Air Valve - White



**Part Number - 9041169**  
ø125 mm wall/ceiling

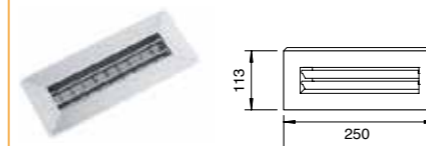
### Extract Air Valve - White



**Part Number - 9041173**  
ø125 mm wall/ceiling

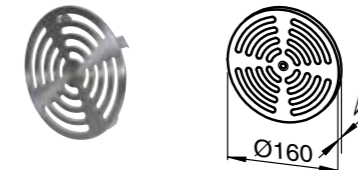
COANDA effect valve for supply enables a better range of circulating ventilation ensuring a high level of indoor air quality. Can be used for extract without coanda effect.

### Aluminium Wall Grille



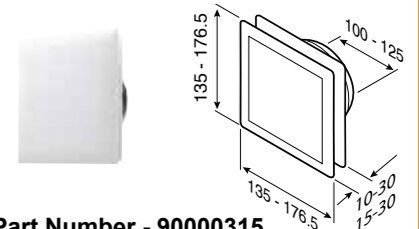
**Part Number - 9041175**  
Grille for wall mounting from aluminium 200 x 50 mm (inner), 250 x 110 mm (outer)  
Air volume adjustable via horizontal and vertical fins fits with straight wall outlet (9041143) and 90° Wall outlet (9041144) also fits to 204 mm x 60 mm ducting

### Floor Grille - Satin S/steel



**Part Number - 9041174**  
Floor grille from satin stainless steel air volume adjustable via setting disc fits with floor outlet (9041142)

### Stylish Supply/Extract Valve



**Part Number - 90000315**  
100 mm ø c/w internal filter  
**Part Number - 90000316**  
125 mm ø c/w internal filter  
**Part Number - 90000317**  
100 mm filter  
**Part Number - 90000318**  
125 mm filter

### Coanda Supply Air Valve - White



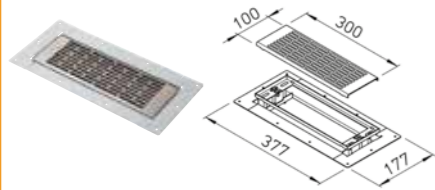
**Part Number - 90000439**  
100 mm ø c/w internal filter  
**Part Number - 90000317**  
100 mm filter



# Accessories

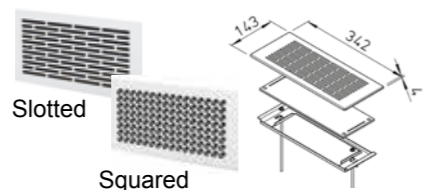
## SPECIALITY AIR VALVES

### Brushed Stainless Steel Floor Grille



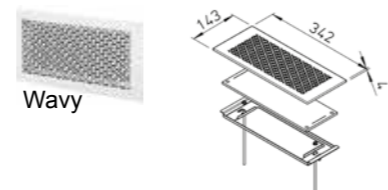
**Part Number - 90000440**  
300 x 100 mm Suitable for outlets  
90000441 and 90000525

### White Powder Coated Grilles



**Part Number**  
**90000526** - Slotted  
**90000527** - Squared  
**90000528** - Wavy  
All suitable for 90000525

### Brushed stainless steel grilles



**Part Number**  
**90000529** - Slotted  
**90000530** - Squared  
**90000531** - Wavy  
All suitable for 90000525

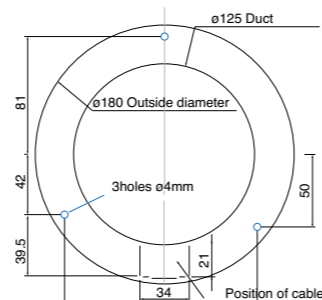
## AIRESE ADJUSTABLE AIR VALVES

- Airese air valves are designed to provide a complete demand controlled ventilation solution. The valves automatically respond to conditions within specific rooms such as kitchens and bathrooms and then operate accordingly to meet the ventilation required for that type of room.
- Models include constant flow, pull cord activator, humidity activation, boost-electric, boost battery and humidity with timer.

Intelligent self adjustable valves for the complete demand control solution specifically for use with MVHR and other ducted ventilation systems.

### White

Part Number	Description
9041234	15 m <sup>3</sup> /h Constant air flow
9041235	30 m <sup>3</sup> /h Constant air flow
9041236	15 m <sup>3</sup> /h Constant air flow, Pull Cord Boost to 30 m <sup>3</sup> /h
9041237	20 m <sup>3</sup> /h Constant air flow, Pull Cord Boost to 75 m <sup>3</sup> /h
9041238	5 m <sup>3</sup> /h Constant air flow, Humidity Boost to 45 m <sup>3</sup> /h
9041239	10 m <sup>3</sup> /h Constant air flow, Humidity Boost to 45 m <sup>3</sup> /h
9041240	12 m <sup>3</sup> /h/ 45 m <sup>3</sup> /h/ 105 m <sup>3</sup> /h air flow, Boost Humidity Electric with Timer
9041241	5 m <sup>3</sup> /h/ 40 m <sup>3</sup> /h/ 100 m <sup>3</sup> /h air flow, Boost Humidity Electric with 125 mm Connector
9041242	6 m <sup>3</sup> /h/ 40 m <sup>3</sup> /h/ 90 m <sup>3</sup> /h air flow, Boost Humidity Pull Cord
9041243	5 m <sup>3</sup> /h air flow, Boost Electric to 30 m <sup>3</sup> /h
9041244	5 m <sup>3</sup> /h air flow, Boost PIR Batt to 30 m <sup>3</sup> /h



# Accessories

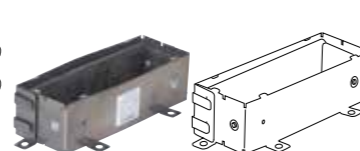
## INTUMESCENT FIRE COLLARS

### Round



**Part Number**  
**90000108** 75 - 82 mm dia  
**90000109** 100 - 110 mm dia  
**90000110** 125 - 130 mm dia  
**90000111** 150 - 160 mm dia

### Rectangular



**Part Number**  
**90000107** 205 mm x 60 mm

**Fire Collar** - prevents spread of fire, smoke and hot gasses where fire compartment wall / floor is penetrated by plastic pipes.

- Contain intumescent material which reacts under the influence of heat on the duct pipe to form a insulation plug preventing smoke and fire passing through to the adjoining rooms. Suitable for any type of building where a fire compartment wall or floor is penetrated by plastic duct pipes. Fixed by mounting lugs these collars can be used without the need for encapsulation in walls or brickwork.

## DUCT INSULATION

- Insulation wrap provides insulation for all Airflow's duct systems where a degree of thermal conductivity / resistance is an issue (outside the thermal envelope of the house for example).

Airflow duct insulation wrap has been Fire Tested in accordance with BS 476, part 6, 7 and 20. Its thermal conductivity is 0.005 W/mK for 4mm thickness and therefore complies to the requirements of Domestic Ventilation Compliance Guide 2010.

### Tape

**Part Number - 90000016**  
50 m tape

### Grey Acrylic Duct Sealant

**Part Number - 90000356**  
380 ml Grey acrylic duct sealant - non hardening.

Adhesive aluminium tape for the fitting and installation of aluminium insulation wrap. Non hardening adhesive.

### Insulation Wrap

**Part Number**  
**90000108** 75 - 82 mm dia  
**90000010** Round/oval AirflexPro - 295 mm x 25 m  
**90000011** 100 mm Airound - 345 mm x 12.5 m  
**90000012** 125 mm Airound - 422 mm x 12.5 m  
**90000013** 150 mm Airound - 503 mm x 12.5 m  
**90000014** 204 mm x 60 mm Airflat - 531 mm x 12.5 m

### Metal worm drive clips - 8 mm wide

**Part Number**  
**51849402** ø100 mm/ 4" adjustable 50 mm - 110 mm  
**51849403** ø125 mm/ 5" adjustable 60 mm - 165 mm  
**51849404** ø150 mm/ 6" adjustable 60 mm - 325 mm

# Accessories

## Isolation switch



**Part Number - 90000537**  
Single Ph-two pole

## Isolation switch with neon



**Part Number - 90000538**  
Single Ph-two pole

## Isolation switch with neon and fuse



**Part Number - 90000539**  
Single Ph-two pole

## On/off switch



**Part Number - 90000540**  
Single pole

## Low and High speed and off switch



**Part Number - 90000541**  
Three pole

## Momentary boost switch



**Part Number - 90000542**  
Single pole

## On/off switch with neon



**Part Number - 90000543**  
Single pole

## Two position switch



**Part Number - 90000544**  
Single pole

## Two position switch with neon for second speed



**Part Number - 90000545**  
Single pole

## Supervent SV6 / QT150 B switch



**Part Number - 90000546**  
Double and single pole

## Supervent SV6 switch with neon



**Part Number - 90000548**  
Double and single pole

## On/off with lockable isolator switches



**Part Number - 90000547**  
Double and triple pole

## Three position with neon speed indicator switch



**Part Number - 90000549**  
Three position

## On/off lockable and neon switch



**Part Number - 90000550**  
Single and triple pole

## On/off - 2 speed with 2x neon switches



**Part Number - 90000551**  
Single and double pole

# Accessories

## Variable Speed Fan Controller



**Part Number - 90000537**  
Single Ph-two pole

## 1 Amp Reversible Speed Controller



**Part Number - 90000538**  
Single Ph-two pole

## 1 Amp Stepless Speed controller



**Part Number - 90000539**  
Single Ph-two pole

## 3 Amp Stepless Speed Controller



**Part Number - 9041569**  
Single phase fans

## QuietAir 150 VS controller



**Part Number - 90000514**  
QT150VS

## PIR Motion Sensor Timer



**Part Number - 51969702**  
c/w timer 3 - 30 mins

## Electrical Humidistat On / Off



**Part Number - 9041570**  
Humidistat 30% - 90%

## Single gang back box



**Part Number - 90000552**  
35mm deep

## Double gang back box



**Part Number - 90000553**  
35mm deep

## COMMERCIAL FAN SPEED CONTROLLERS

### Speed Controller 1 AMP



**Part Number - 9021055**  
100% speed controller for linear control of fans

### Speed Controller 3 AMP



**Part Number - 9021055**  
100% speed controller for linear control of fans

- New high voltage protection adjustment on 3-Amp and the controller.
- Low voltage "No Stall" adjustment on 3-Amp and the controller.

# Accessories

## SWITCH SELECTION CHART

MODELS												
Switch No	iCONstant	QuietAir	iCON	LOOVENT eco	LOOVENT eco SELV	LOOVENT Classic	Aura eco	Aura Fan/ Shower Kit	Aura In-Line	Aventa In-Line	Aventa Turbo	Aventa Silent
90000540	ALL	ALL	ALL	ALL	ALL	ALL	ALL (except MST)	ALL	ALL	ALL	ALL	ALL
90000547	-	-	ALL	-	-	-	-	-	-	-	-	-
90000550	-	-	ALL	-	-	-	-	-	-	-	-	-
90000543	-	QT100B QT120B QT150B	ALL	LVECOD LVECOMST LVECOT	ALL	ALL	ALL (except MST)	ALL	ALL	ALL	ALL	ALL
90000541	-	QT100B QT120B QT150B	-	-	-	-	-	-	-	AV150 AV125 AV100	-	-
90000549	-	-	-	-	-	-	-	-	-	AV150 AV125 AV100	-	-
90000458	-	QT150VS	-	-	-	-	-	-	-	-	-	-
Switch Selection				DUPLXVENT				Industrial Fans				
	Maxivent	Supervent	Roomvent	Airovent	Basic	Professional	Interactive	(Single Phase Models)				
90000540	MV150HP MV150T	SV6/SV6T	ALL	-	ALL	DV50, DV80, DV90	ALL	ALL				
90000547	-	-	-	-	-	-	-	-				
90000550	-	-	-	-	-	-	-	-				
90000543	MV150T	SV6/SV6T	ALL	-	BV400	BV400	-	ALL				
90000541	-	-	-	ALL	-	-	-	-				
90000549	-	-	-	-	-	-	-	-				
90000545	-	SV6	-	-	-	-	-	-				
90000546	-	SV6	-	-	-	-	-	-				
90000548	-	SV6	-	-	-	-	-	-				
90000551	-	SV6	-	-	-	-	-	-				
90000542	-	-	-	-	-	DV96, DV110, DV145 DV200	-	-				

Key: ALL = Switch which is suitable for all models in that range



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