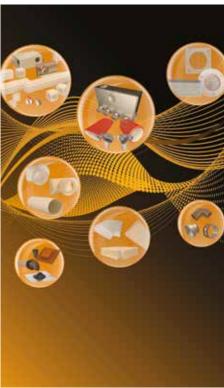
Air Flow Solutions







AccessoriesDucting, grilles, controllers and much more

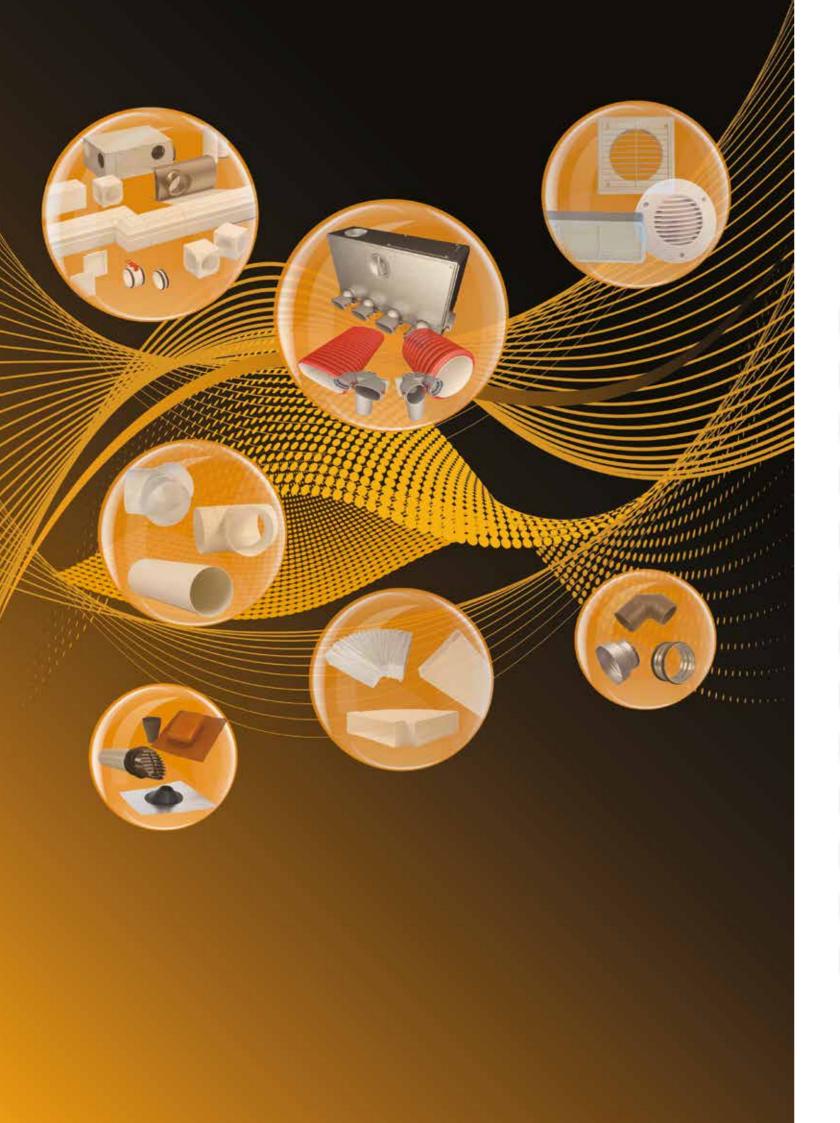












A varied and comprehensive range of accessories for all your ventilation needs

Airflex Pro 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

A range of roof terminal solutions

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

Commercial Fan Speed Controllers

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

Acoustic Accessories A range of Acoustic accessories

Airflex Pro

Semi rigid ducting



Key Features

- Zero leakage ensures highest performance
- 70% time saving on installation
- Interchangeable ducting system (75mm round / 51mm x 114mm oval) without any hydraulic pressure loss
- Compact, suits narrow joists and low ceiling voids
- Durable with high crushability (13 kN/m²)
- Smooth bore with antistatic and antibacterial lining
- Easy to clean when installed
- SAP Appendix Q eligible ducting (non-jointed)

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

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.

A quick and easy to fit system of semi-rigid ducting that The Airflex Pro Oval ducting is designed to equal the hydraulic Performance of Airflex Pro 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 Appendix Q.

Airflex Pro **Oval Ducting** Part No. Description 90000255 20m coil (oval) Dimensions 51mm x 114mm



Airflex Pro Duct Pressure Loss (75mm Round / 51mm Oval)

Air Velocity M/s	Air Volume M³/h	Resistance Pa/Mtr
0.5	6	0
1	11	0.5
1.5	17	0.8
2	22	1.5
2.5	28	2.2
2.7	30	3
3	33	4
3.5	39	5
4	45	6

Accessories

Airflex Pro Clips

Round and oval ducting clips



Key Features

- Securely fixes both Airflex Pro Round and **Airflex Pro 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 Airflex Pro Round / Oval taut and neat on installation
- SAP Appendix Q eligible zero leakage ducting
- Keeps ducting off building fabric to reduce noise transmittal

Airflex Pro Round and Oval Ducting Clips

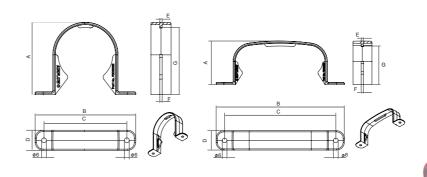
Flexible, innovative, meeting industry best practice. These compact ducting clips have been specifically standards for installation. Airflex Pro Round and Oval clips are the only professional solution for fitting SAP Appendix Q eligible, Airflex Pro Round and Airflex Oval Zero Leakage duct systems.

designed to securely fix both Airflex Pro 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 750mm intervals to keep Airflex Pro / Airflex Oval neat and tidy on installation in accordance with NHBC guidance 3.2.

Dimensions (mm)

Airflex Pro Round

Airflex Pro Oval



Model	Α	В	С	D	E	F	G
Airflex Pro Round	89.9	125	103	25	3	3	83.3
Airflex Pro Oval	56.3	166	144	25	3	3	49.8

Airflex Pro Round Airflex Pro Oval







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







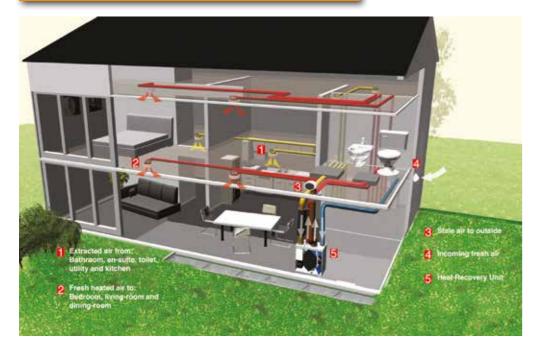








Typical System 4 (MVHR)





Typical Airflex Pro 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

Typical Components System 4 Heat Recovery Unit Roof terminals and cowls **External Terminals** System distribution boxes (supply and extract) Air supply / extract valves Ceiling plenums Airflex Pro (Round / Oval)

Accessories

Airflex Pro Accessories

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

Hygienic Caps

Part No. **Dimensions**

9041131 Hygienic cap for Airflex

Pro round (pack of 10)



Straight Ceiling Outlet

Part No. **Dimensions**

9041141 2 spigots for 75mm piping and one spigot (125mm)

for extract or supply valve



Straight Wall Outlet

Part No. **Dimensions**

9041143 2 spigots for 75mm

piping and 200mm x 50mm opening for wall

grille (9041175)



90° Wall/Floor/Ceiling Outlet-Oval

Part No. **Dimensions**

90000525 2 Spigots for 54 x 114mm

Oval piping suitable for grilles 90000440/9000052 690000527/90000528 90000529/90000530 &

90000531



Straight Connection

Part No. **Dimensions**

Connects Airflex Pro 9041132 round to Airflex Pro round



90° Floor Outlet

Dimensions Part No.

2 spigots for 75mm piping and one spigot (140mm)



Brushed Stainless Steel Floor Grille

Part No. **Dimensions**

90000440 300 x 100mm Suitable for outlets 90000441 and 90000525



White Powder Coated Grilles

Part No. **Dimensions**

90000526 Slotted 90000527 Squared 90000528 Wavy

All suitable for 90000525

Slotted

7

90° Compact Elbow Part No. **Dimensions**

9041139 75mm dia allows very small bend radius of duct



90° Wall Outlet

Part No. **Dimensions**

9041144 2 spigots for 75mm piping and 200mm x

50mm opening for wall grille (9041175)



90° Floor Outlet – Round

Part No. **Dimensions**

90000441 2 Spigots for 75mm piping suitable for

stainless steel floor grille 90000440



Brushed stainless steel grilles

Part No. **Dimensions**

90000529 Slotted

90000530 Squared

90000531 Wavy

All suitable for 90000525



Squared



Wavy















airflow.com

Airflex Pro Accessories

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

Sealing Rings Oval

Part No. **Dimensions**

90000254 54 x 117mm dia Airflex Pro Oval Sealing

Ring (pack of 10)



Sealing Cap Round

Dimensions

Airflex Pro Round

Ceiling / Wall Plenum

90000256 78mm Sealing Cap for

Oval Spigot Connection

90000259 Oval Spigots for

Dimensions

Distribution Boxes

Part No.

Part No.



Sealing Rings Round

Part No. **Dimensions**

9041133 75mm dia. Airflex Pro Round Sealing Ring

(pack of 10)



Sealing Cap Oval

Part No. **Dimensions**

90000257 54 x 117mm Sealing Cap for Airflex Pro Oval



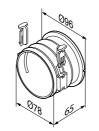
Ceiling / Wall Plenum

Round Spigot Connection

Part No. **Dimensions**

90000260 Round Spigots for **Distribution Boxes**



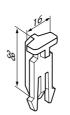


Spare Holding Clips

Part No. **Dimensions**

90000261 (pack of 10)





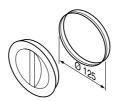
Sealing Cap for Distribution Box

Part No. **Dimensions**

90000267 125mm Inlet Seal for

Distribution Boxes





Bayonet Cap - Distribution Box

Part No. **Dimensions**

90000258 96mm Sealing Cap for

> Spigot Holes in **Distribution Boxes**





Accessories

Airflex Pro Accessories

Straight Connection Piece

Part No. **Dimensions**

90000253 54 x 117mm Straight

Connector (oval-oval)

90° Vertical Transition Piece

Part No.

90° Horizontal Elbow

Part No.

90000248

90000251 90° Verticle Transition

Piece (round-oval)

Dimensions

Dimensions

54 x 117mm

horizontal elbow (oval-oval)

90° Vertical Elbow

Part No. **Dimensions**

90000247 54 x 117mm

vertical elbow (oval-oval)



Ceiling or Wall Plenum Oval

Part No. **Dimensions**

90000249 54 x 117mm 90°

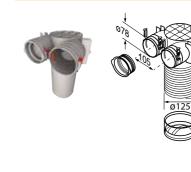
Ceiling / Wall Plenum



Ceiling or Wall Plenum Round Part No. **Dimensions**

90000250 78mm 90° Ceiling / Wall

Plenum



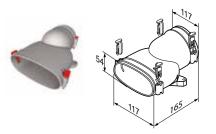
 Connects Airflex Pro Round or Oval through the ceiling to the extract / supply valve. Can be cut down for varying height of void.

Straight Transition Piece

Part No. **Dimensions**

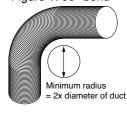
90000252 Straight Transition Piece

(round-oval)



Airflex Pro Round

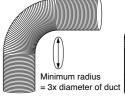
Figure 1. 90° bend



Airflex Pro Oval

Figure 2. 90° Lateral bend

Figure 3. 90° Horizontal bend



Minimum radius

 Airflex Pro Round and Oval semi rigid ducting performance data is recognised by the U.K Government as an input for the Standard Assessment Procedure (SAP) calculation via Appendix Q. Fig 1-2 and 3 show how in this configuration without joints Airflex Pro round and oval semi rigid ducting achieves the mechanical properties requirements set out in

SAP Appendix Q. specifications.



















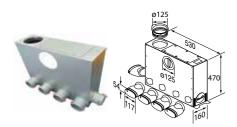


Airflex Pro Distribution Boxes

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

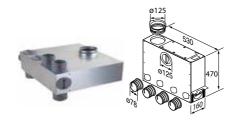
5-Port Distribution Box (oval)

Part No. **Dimensions** 90000262



5-Port Distribution Box (round)

Part No. **Dimensions** 90000263



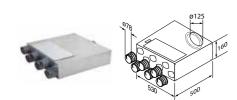
6-Port In-Line Distribution Box (round) Narrow

Part No. **Dimensions** 90000265



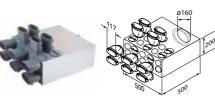
6-Port In-Line Distribution Box (round)

Part No. **Dimensions** 90000264



10-Port Distribution Box (oval)

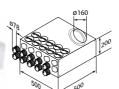
Part No. **Dimensions** 90000270



10-Port Distribution Box (round) Part No. **Dimensions**

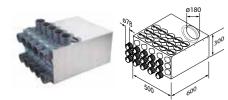
90000266





15-Port Distribution Box (round)

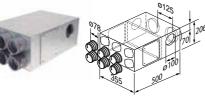
Part No. **Dimensions** 90000269



Combi Distribution Box (L/H)

Part No. **Dimensions**

90000443 Enables supply and extract simultaneously connects to Airflex Pro round 75mm (up to 6 spigots) inlet 125mm handed inlet



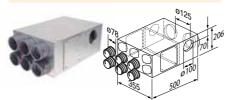
Combi Distribution Box (R/H)

Part No.

90000444

Dimensions

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



Typical Installations

Testimonials

As a contractor working throughout the UK installing residential HVAC equipment in new and refurbishment houses I have no hesitation in recommending Airflex Pro for the ventilation ducting systems.

The quality of material is second to none and the flexibility of ducting made it possible to install very quickly even in narrow spaces. 99

Director of Cotswold Efficient Energy Centre

- Voted 2010 National Renewable Project of the Year H & V Awards
- Voted 2010 National Renewable Energy Company of the Year B.R.E. Award







Pro ducting has already paid for itself in time saved! 55 **Design Architect at Persimmon Homes**

I am very pleased with your

semi-rigid ducting which I've begun

using immediately. I am particularly

impressed with its ability to quickly

fit to each component, and also

its leak-proof design thanks to the easy-to-fit sealing rings. The Airflex

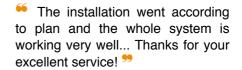
Specification of Airflex Pro has added value and raised the standard of the ventilation system throughout the dwelling, while contributing to a lower carbon environment for the homeowner. 59

Project Manager at Millgate Homes









Quantity Surveyor at Miller Homes





















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 retardent 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.

Combination Distribution Box Supply Air Right

Part No. Description 90000275 125 / 100 / 100mm dia



Long Connector Set

Part No. Description 90000278 100mm (with clamp)



Combination Distribution Box Supply Air Left

Part No. Description 90000276 125 / 100 / 100mm dia



T-Piece with Stucco Profile

Part No. Description 90000279 100 / 100 / 100mm dia (box of 4)



12

Duct with Stucco Profile

Description Part No. 90000277 1m length (box of 4)



Short Connector

Part No. Description 90000280 100mm dia



Accessories

Inner Angle with Stucco Profile

Part No. Description 90000281 100 / 100mm dia (box of 2)



Wall Connecting Pipe

Part No. Description 90000284 100mm dia PVC



Retro System Supply/Extract Valve

Part No. Description 90000439 C/W filter (9000317) 100ø



Inner Angle with Square Profile

Part No. Description 90000447 100 / 100mm dia (box of 2)



Distribution Box Sealing Cap

Part No. Description 90000282 100mm dia



Coanda Valve for Supply

Part No. Description 90000285 100mm dia



Duct with Square Profile

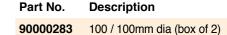
Part No. Description 90000445 1m length (box of 4)



Outer Angle with Square Profile

Part No. Description 90000448 100 / 100mm dia (box of 2)





Outer Angle with Stucco Profile



Retro System Supply/Extract Valve

Part No. Description 90000315 C/W filter (9000317) 100ø

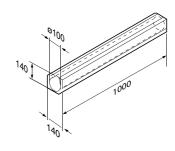


T Piece with Square Profile

Part No. Description 90000446 100 / 100 / 100mm dia (box of 4)





















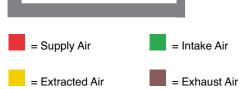


How Retro Ducting Works (System 4 - MVHR)

- 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 6. Supply / extract to outside air. 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 (page 223).











14

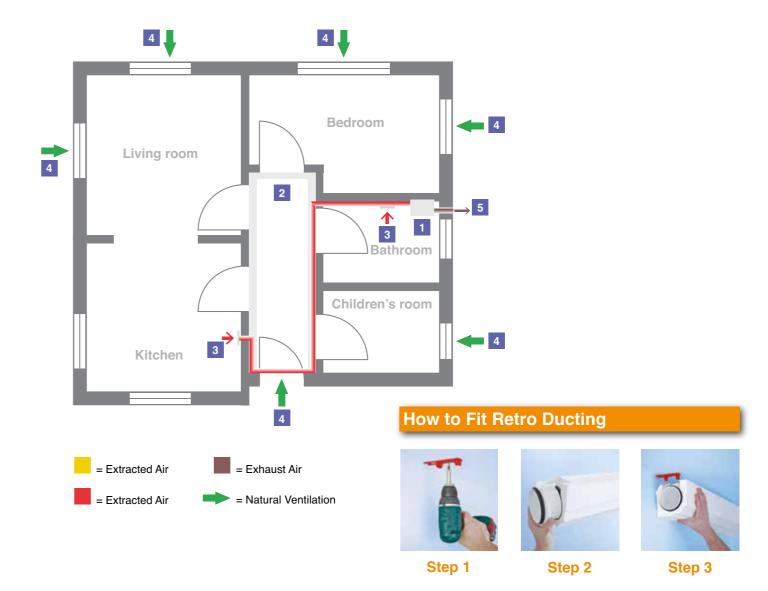
Step 2



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.

















Airflex Ducting

Airflex Flexible Round PVC Hose Part No. **Dimensions** Part No. Dimensions ø125mm x 3m 52641005 ø100mm x 1m 52641009 52641001 ø100mm x 3m 9041557 ø125mm x 6m 9041555 52641002 ø100mm x 6m ø150mm x 1m 52641003 52641006 ø100mm x 15m ø150mm x 3m 52641007 ø100mm x 45m **52641004** ø150mm x 6m

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.

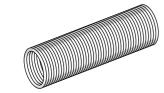




Airflex Combi Flexible Ducting						
Part No.	Dimensions	Part No.	Dimensions			
9021285	ø100mm x 3m	9021287	ø152mm x 6m			
9021292	ø100mm x 5m	9021290	ø152mm x 10m			
9021289	ø100mm x 10m	9021295	ø200mm x 5m			
9021286	ø152mm x 3m	9021288	ø200mm x 6m			
9021294	ø152mm x 5m	9021291	ø200mm x 10m			

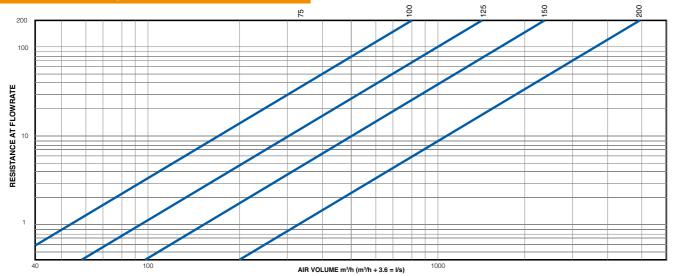
PVC coated aluminium ducting for general ventilation connection applications, with a degree of outer protection. Highly versatile, non degrading fire resistance tested to BS 476. Operating temp $+6^{\circ} - +50^{\circ}$ coated in PVC to add extra protection from corrosion and tear damage. Can be used 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.





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

Airflex Flexible Ducting Resistance at Flowrate



16

Resistance flowrates shown in this graph are approximate for flexible ducting when installed to "Best Practice", ie: the flexible duct is straight and taut, with no bends











Accessories

Airflex Re-enforced Aluminium Flexible Ducting

Part No.	Dimensions	
9021311	ø100mm x 3m	
9021315	ø100mm x 5m	
9021318	ø100mm x 10m	
9021312	ø150mm x 3m	
9021316	ø150mm x 5m	
9021320	ø150mm x 10m	
9021313	ø200mm x 3m	
9021317	ø200mm x 5m	
9021321	ø200mm x 10m	
9021314	ø300mm x 5m	

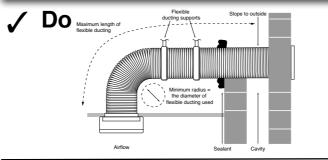
 Aluminium re-enforced ducting for general connection applications, with a good degree of outer protection. Highly versatile, non degrading, fire resistant tested to BS 476. Re-enforced with a tough wire spiral to maintain bore and reduce collapse. To overcome awkward situations where rigid duct cannot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

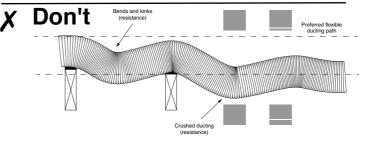
For optimum performance duct should be as straight and taut as possible to ensure "best practice" installation.

Airflex Re-enforced Aluminium Insulated Flexible Ducting

Part No.	Dimensions	
52662701	ø102mm x 10m	
52662702	ø127mm x 10m	
52662703	ø152mm x 10m	
90000503	ø160mm x 10m	
90000504	ø180mm x 10m	
(1)	0	

Best Practice Flexible Ducting Installation





 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 25mm microfibre and has a thermal conductivity λ in W/m.K at 10°C of 0,036 which is less than 0.04W/(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).

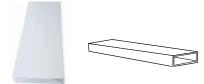
airflow.com Customer Services 01494 560800 17 airflow.com

Airflat Ducting 204mm x 60mm

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 No.	Dimensions
52641201	204mm x 60mm x 1m
52641202	204mm x 60mm x 1.5m



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

Elbow / Plenum

Part No.	Dimensions
52641301	204mm x 60mm x 100mm ø
9041200	204mm x 60mm x 125mm ø
52641302	204mm x 60mm x 150mm a



Resistance (Pa) at flow rate					
Part No.	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

52641401 204mm x 60mm - 90°	Part No.	Dimensions
OZOTTIOI ZOTTIIII X COTTIIII CO	52641401	204mm x 60mm - 90°

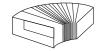


Resistance (Pa) at flow rate					
Part No.	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s
52641401	0.8	4	8.3	17	33

Flexible Joining Piece

Part No.	Dimensions
52641501	204mm x 60mm x 600mm
	max





Resistance (Pa) at flow rate					
Part No.	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 No.	Dimensions
52641601	204mm x 60mm - 90°





Resistance (Pa) at flow rate						
Part No.	10 l/s	20 l/s	30 l/s	40 l/s	60 l/s	
E26/1601	10	E 1	0.7	22	44	

Horizontal Adapter (round / rectangle)

Part No.	Dimensions
51980001	204mm x 60mm x 125mm ø





Resistance (Pa) at flow rate						
Part No.	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 No.	Dimensions		
52641801	204mm x 60mm		







Straight Connector

Part No.	Dimensions		
52641701	204mm x 60mm		





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

18

Flat Channel Clip

Part No.	Dimensions	
52641901	204mm x 60mm	



Accessories

Air Round Rigid Ducting

Round Pipe					
Part No.	Dimensions	Part no.	Dimensions		
9021378	ø100mm x 350mm	9041543	ø125mm x 1.5m		
90000048	ø100mm x 1m	9041546	ø125mm x 2m		
90000051	ø100mm x 2m	9001903	ø150mm x 350mm		
9041220	ø125mm x 350mm	90000049	ø150mm x 1m		
9041547	ø125mm x 1m	90000052	ø150mm x 2m		



Equal T Piece

Dimensions

Resistance (Pa) at flow rate

100 x 100 x 100mm ø M

125 x 125 x 125mm ø M

150 x 150 x 150mm ø M

10 l/s | 20 l/s | 30 l/s | 40 l/s | 60 l/s

vary on installation

vary on installation

vary on installation

Part No.

9041461

9041201

9041545

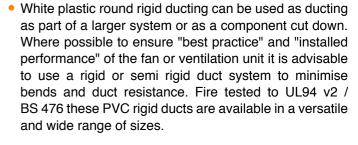
9041201

9041461

9041545



Resistance (Pa) at flow rate							
Part No. 10 I/s 20 I/s 30 I/s 40 I/s 60 I/s							
9021378	<1	<1	<1	<1	1.1		
9000048	<1	<1	1.4	2.2	3.1		
9000051	<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		



Grey Acrylic Duct Sealant

Part No.	Dimensions
90000356	380ml Grey acrylic duct sealant - non hardening.



Y Piece	
Part No.	Dimensions
9041556	ø125mm M



	_
AEO Dond	
45° Bend	

Part No.	Dimensions
9041544	ø125mm M



90° Round Elbow

9000054 Ø100mm M

90000055 ø150mm M

Part No.

9041542



Resistance (Pa) at flow rate					
Part No.	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

19

Dimensions

ø125mm M





Resistance (Pa) at flow rate					
Part No.	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



















Air Round Rigid Ducting

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

Straight Reducer		
Part No.	Dimensions	
51979601	ø125mm to 100mm M	
90000060	ø150mm to 125mm M	
90000061	ø200mm to 150mm M	





Offset Reducer

Part No.



Dimensions

(fits inside pipe 125mm - male and accepts

52644101 ø125mm to 100mm M

an offset 100mm pipe - female)

Round Pipe Connector Part No. Dimensions 90000019 ø100mm M **52644001** Ø125mm M 90000058 ø150mm M 9000059 ø200mm M





M = Male connection

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.

Insulation Wrap		
Part No.	Dimensions	
90000010	Round/oval Airflex Pro - 295mm x 25m	
90000011	100mm Airound - 345mm x 12.5m	
90000012	125mm Airound - 422mm x 12.5m	
90000013	150mm Airound - 503mm x 12.5m	
90000014	204mm x 60mm Airflat - 531mm x 12.5m	



Tape	
Part No.	Dimensions
90000016	50m tape

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



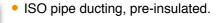


Accessories

Airflex ISO - Insulated Rigid Ducting

Airflex ISO Pipe

Part No.	Dimensions
9041147	ø125mm x 2000mm
90000505	ø160mm x 950 mm
90000465	ø160mm x 2000mm
9041250	ø180mm x 1000mm
90000475	ø180mm x 2000mm



• 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.

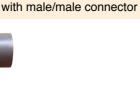
• Pre insulated duct for when the ventilation unit is outside the warm envelope of the house. This helps to reduce condensation.



Airflex ISO Bends and connectors

90° Elbow

Part No.	Dimensions
9041152	ø125mm 90° ISO bend with collar
90000467	ø160mm 90° ISO bend with male/male connecto
90000477	ø180mm 90° ISO bend



45° Elbow Part No. **Dimensions** 9041154 ø125mm 45° ISO bend with collar 90000466 ø160mm 45° ISO bend with male/male connector 90000476 ø180mm 45° ISO bend

with male/male connector



ISO Connector

Difficusions
ø125mm ISO pipe female /female Connector (plastic)
ø160mm ISO pipe male / male Connector (plastic)
ø180mm ISO pipe male / male connector (plastic)





Airflex ISO Connections

ISO Reducing Connector

Part No.	Dimensions
90000470	ø160mm ISO Pipe male with seal to ø125mm
90000471	ø160mm ISO Pipe male with seal to ø180mm
90000480	ø180mm to 160mm pipe male / male with seals
90000497	ø200mm female to ø160mm male with seal
90000500	ø200mm female to ø180mm male with seal





ISO Coupling

Part No.	Dimensions
9041191	ø125mm male / male coupling with seals
90000469	ø160mm male / male coupling with seals
9041232	ø200mm male / male coupling with seals



















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.

Part No. Dimensions

Gravity Flap - White

Part No. Dimensions

51791101 140 x140 x ø100mm

9041468 160 x160 x ø125mm

71984001 180 x180 x ø150mm

52641102 140 x140 x ø100mm

52641107 180 x180 x ø150mm

Grey

Brown

Part No.	Dimensions
52641104	140 x140 x ø100mm
9021012	140 x140 x ø100mm - F/S
9041222	160 x160 x ø125mm
52641109	180 x180 x ø150mm



Terracotta

52641103	140 x140 x ø100mm
9021082	140 x140 x ø100mm -

Part No. Dimensions

9041223 160 x160 x Ø125mm 52641108 180 x180 x ø150mm



White

Part No. Dimensions

52641101 140 x140 x ø100mm

9041221 160 x160 x ø125mm **52641106** 180 x180 x ø150mm

9021172 150 x150 x Ø100mm - F/S

Part No.	Dimensions
52641105	140 x140 x ø100m

52641110 180 x180 x ø150mm



• 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.

For Use With Round Rigid Duct Only.

sizes and colours available.

iCON Round External Grilles

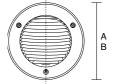
Terracotta

Dort No

Part No.	Dimension	ons
72596201	ø100mm	A = Ø180mm
72593101	ø150mm	B = ø240mm

Dimensions





• For use ideally with our range of iCON fans, multiple



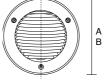




White

Part No.	Dimensions	
72596202	ø100mm	A = Ø180mm
72593102	ø150mm	B = ø240mm





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

Part No.

Terracotta

Part No.	Dimensions
52642010	204mm x 60mm







Beige

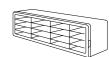
Part No.





Dimensions





With Internal Damper - Terracotta

Part No.	Dimensions
51978702	204mm x 60mm

With Internal Damper - White

Dimensions

52642002 204mm x 60mm

Part No. **Dimensions** 51978701 204mm x 60mm



Part No.	Dimensions
90000077	204mm x 120mm Terracot
90000076	204mm x 120mm White
90000132	204mm x 120mm Stone









airflow.com

Fits 204 x 60 Duct

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.

Part No.

Round Cowl with Louvers

Part No.	Dimensions
52644501	ø100mm
9041226	ø125mm
52644601	ø150mm
9041227	ø180mm



Round Cowl with Mesh Dimensions Part No.

52644701 ø100mm 9041228 ø125mm 52644801 ø150mm 90000506 ø160mm 9041229 ø180mm



Cowl with Gravity Flap

Dimensions

9041230	ø125mm
9041231	ø150mm





Regal Cowls

Regal Side Entry Cowl

Part No.	Dimensions
90000449	To suit ø125mm ISO duct
90000498	To suit ø160mm ISO duct
90000501	To suit ø180mm ISO duct





Part No.

90000450

90000499

Regal Front Entry Cowl

Dimensions

90000502 To suit ø180mm ISO duct

To suit ø125mm ISO duct

To suit ø160mm ISO duct

External Wall Grilles (Dual)

External Wall Grilles

Part No. **Dimensions**

9041164 ø160mm

> Dual external grille white for pipe connection 160mm for exhaust and fresh air - fresh air connection L/H side.



External Wall Grilles

Part No. **Dimensions**

ø160mm

9041165

Dual external grille white for pipe connection 160mm for exhaust and fresh air - fresh air connection R/H side.



24

Accessories

Acoustic Accessories

Acoustic Humidity Air Vent

Part No.

9041306 425mm x 45mm x 64mm



Acoustic Wall Vent

Part No.

9541177

Part No.

9041168

9041323 SC130 R 30m 3/h



Acoustic Wall Vent

Part No.

9041324 SC125 R 22m 3/h



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Part No.

90000115 125mm x 600mm 9541176 125mm x 900mm 9541177 125mm x 1250mm



	Attenuation in dB at Hz				
Part No.	250	500	1000	2000	4000
0000115	12	20	31	33	21
9541176	14	26	44	46	35

Airflow Air Valves Extract (E) & Supply (S)

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

Plastic Adjustable Air Valve (S)

Part No. **Dimensions**

90000339 ø125mm Directional supply

Direct the airflow from this valve to the area of your choice in the room



Metal Adjustable Air Valve (E)

Part No. Dimensions 9041172 ø125mm





Metal Adjustable Air Valve (S)

ø125mm

Dimensions

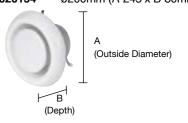
Fire protection extract valve

Part No. **Dimensions 90000126** Ø125mm



Plastic Adjustable Air Valve (E)

Part No.	Dimensions
9020152	ø100mm (A-140 x B-60mm)
90000340	ø125mm (A-165 x B-65mm)
9020153	ø150mm (A-185 x B-55mm)
9020154	ø200mm (A-245 x B-80mm



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 35mm.













airflow.com

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 No.	Dimensions
9041166	ø125mm



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

Aluminium Wall Grille

Part No.	Dimensions
9041175	Grille for wall mounting
	from aluminium
	200 x 50mm (inner),
	250 x 110mm (outer)
	Air volume adjustable via
	horizontal and vertical fins
	fits with straight wall outlet
	(9041143) and 90° Wall
	outlet (9041144) also
	fits to 204mm x 60mm ducting



Stylish Suppy/Extract Valve

Part No.	Dimensions
90000315	100mm ø
	c/w internal filter
90000316	125mm ø
	c/w internal filter
90000317	100mm filter
90000318	125mm filter



Supply Air Valve - White

art No.	Dimensions
041169	ø125mm wall/ceiling



Extract Air Valve - White

Part No.	Dimensions
9041173	ø125mm wall/ceiling



Floor Grille - Satin S/steel

. Ioo. o.i.	ilo outilii orotooi
Part No.	Dimensions
9041174	Floor grille from satin
	stainless steel air volume
	adjustable via setting disc
	fits with floor outlet
	(9041142)



Stylish Supply/Extract Valve

Part No.	Dimensions
90000439	100mm ø c/w internal filter
90000317	100mm filter





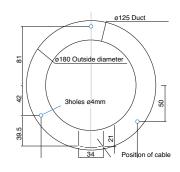
Airflow Airese Adjustable Air Valves

 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 acordingly 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 No.	Dimensions
9041234	15m³/hr Constant air flow
9041235	30m³/hr Constant air flow
9041236	15m³/hr Constant air flow, Pull Cord Boost to 30m³/hr
9041237	20m³/hr Constant air flow, Pull Cord Boost to 75m³/hr
9041238	5m³/hr Constant air flow, Humidity Boost to 45m³/hr
9041239	10m³/hr Constant air flow, Humidity Boost to 45m³/hr
9041240	12m³/hr/ 45m³/hr/ 105m³/hr Air flow Boost Humidity Electric with Timer
9041241	5m³/hr/ 40m³/hr/ 100m³/hr Air flow Boost Humidity Electric with 125mm Connector
9041242	6m³/hr/ 40m³/hr/ 90m³/hr Air flow Boost Humidity Pull Cord
9041243	5m³/hr Air flow Boost Electric to 30m³/hr
9041244	5m³/hr Air flow Boost PIR Batt to 30m³/hr









Airflow Airese Adjustable Air Valve Accessories

White			White	
Part No.	Dimensions		Part No.	Dimensions
9041246	ø125mm Straight connector		9041245	ø125mm Reducer to 100mm
9041247	ø150mm Straight connector			
9041248	ø125mm Straight ceiling connector			
		$\overline{}$		























Metal Worm Drive Clips

8mm Wide

Dimensions Part No. 51849402 ø100mm/ 4" adjustable 50mm - 110mm 51849403 ø125mm/ 5" adjustable 60mm - 165mm 51849404 ø150mm/ 6" adjustable 60mm - 325mm





Backdraught Flap

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

Backdraught Flap **Dimensions** Part no.

51990601 ø100mm **52365001** ø150mm





Roof Cowls, Slates and Traps

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.

Grey Roof Cowl

Dimensions Part No. 9004554 Roof cowl A.B.S ø100mm





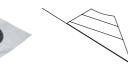




Roof Slate

Part No.

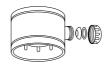
9004597



Condensation Trap

Dimensions Part No. 51978301 Ø100mm 52364801 ø150mm





Universal Roof Terminal & Adapto

Part No. **Dimensions** 90000349 ø100mm / 110 / 125 / 150 / 160mm - Anthracite





Duct size	Vent free area	Pressure / Airflow Resistance Readings (Pa) (vent system pressure)			
(mm)	(mm²)	100m³/h	200m³/h	400m³/h	400m ³ /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

Universal Roof Terminal & Adapto

Dimensions

450mm Pitched roof

Part No. **Dimensions** 90000351 ø100mm / 110 / 125 / 150 / 160mm - Sepia





Duct size	Vent free area	Pressure / Airflow Resistance Readings (Pa) (vent system pressure)			
(mm)	(mm²)	100m³/h	200m ³ /h	400m³/h	400m³/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

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

Universal Roof Terminal & Adaptor





Duct size	Vent free area	Pressure / Airflow Resistance Readings (Pa) (vent system pressure)			
(mm)	(mm²)	100m³/h	200m³/h	400m³/h	400m³/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

Accessories

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.

Part No.

9021451

Cavity Wall Kit - Terracotta

Part No.	Dimensions
72643201	ø100mm x 350 Rigid duct
72643203	ø150mm x 350 Rigid duct

Cavity Wall Kit - White

Part No.

72643202 ø100mm x 350 Rigid duct 72643204 Ø150mm x 350 Rigid duct

Dimensions



High Rise Cavity Wall Kit -

Dimensions

ø100mm Rigid duct

Cowl / Rubber Seal



Flexible Wall Kit - Terracotta

Part No.	Dimensions
72643601	ø100mm 3m Ducting
90000437	ø125mm 3m Ducting
72643603	ø150mm 3m Ducting





Flexible Wall Kit - White

Part No.	Dimensions
72643602	ø100mm 3m Ducting
90000438	ø125mm 3m Ducting
72643604	ø150mm 3m Ducting





 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.

In-Line Flexible Ducting Kit

Part No.	Dimensions
9041183	ø100mm x 6m



 For use with Aventa 100 and Aventa 100T. Comes with exhaust valve, duct, outside gravity flap and fitting circlips

In-Line Flexible Ducting Kit

Part No.	Dimensions
9041184	ø125mm x 6m



 For use with Aventa 125 and Aventa 125T. Comes with exhaust valve, duct, outside gravity flap and fitting circlips

29

In-Line Flexible Ducting Kit

Part No.	Dimensions
9041185	ø150mm x 6m



 For use with Aventa 150 and Aventa 150T. Comes with exhaust valve, duct, outside gravity flap and fitting circlips

















Intumescent Fire Collars

Round		Rectangular		
Part No.	Dimensions	Part No.	Dimensions	
90000108	75 - 82mm dia	90000107	205mm x 60mm	
90000109	100 - 110mm dia			
90000110	125 - 130mm dia			
90000111	150 - 160mm dia			



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

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.

Flame Stopper Safety Sleeve

Safety Sleeve

Part No.	Dimensions
9041311	80mm dia
52662301	125mm dia
52662401	150mm dia





Flame Stopper Safety Sleeve - fits onto fans or air valves to prevent spread of fire in HVAC systems.

 The safety sleeve is constructed from intumescent material. This reacts under the influence of heat and forms an insulation plug preventing smoke or fire passing through the adjoining rooms. These sleeves need to be encapsulated in walls or brickwork to be able to operate correctly.

Remote Switches, Controllers & Sensors

Air Quality Sensor

Part No. Dimensions **9041575** W125 x H75mm x D30mm



Air Quality Sensor

Single phase AC currant -max 1.0 amp

- Air quality sensor suitable for domestic and commercial ventilation systems. This will switch fans on if condensation rates rise quickly or the set valve exceeded. An adjustable timer over run is engaged after the condensation rates are below sensor settings.
- The integrated sensor reacts to oxidable gases and pollutants such as: carbon monoxide, alcohol, formaldehydes, benzene, solvent, methane, tobacco etc

Accessories

Isolation switch

Part No.

90000537 Single Ph-two pole



On/off switch

Part No.

90000540 Single pole



On/off switch with neon

Part No.

90000543 Single pole



Supervent SV6 switch

Part No.

90000546 Double and single pole



Three position with neon speed

Part No.

90000549 Three postion



Isloation switch with neon

Part No.

90000538 Single Ph-two pole



Low and High speed and off switch

Part No.

90000541 Three pole



Two position switch

Part No.

90000544 Single pole



Supervent SV6 switch with neon

Part No.

90000548 Double and single pole



On/off lockable and neon switch

Part No.

90000550 Single and tripple pole



Isloation switch with neon and fuse

Part No.

90000539 Single Ph-two pole



Momentary boost switch

Part No.

90000542 Single pole



Two position switch with neon for second speed

Part No.

90000545 Single pole



On/off with lockable isolator switches

Part No.

90000547 Double and tripple pole



On/off - 2 speed with 2x neon

Part No.

90000551 Single and double pole



















Variable Speed Fan Controller

Part No.

9041033 Maxivent / Supervent iCON 60

1 Amp Reversable Speed Controller

Part No.

9041566 Reversible fans

1 Amp Stepless Speed controller

Part No.

9041565 Single phase fans



3 Amp Stepless Speed Controller

Part No.

9041569 Single phase fans



QuietAir 150 VS controller

Part No.

90000514 QTI50VS



PIR Motion Sensor Timer

Part No.

51969702 c/w timer 3 - 30 mins



Eletrical Humidistat On / Off

Part No.

9041570 Humidisat 30% - 90%



Single gang back box

Part No.

90000552 35mm deep



Double gang back box

Part No.

90000553 35mm deep







Commercial Fan Speed Controllers

Speed Controller 1 AMP

Part No.

9021055 100% speed controller for linear control of fans

Speed Controller 3 AMP

Part No. 9021056

100% speed controller for linear control of fans

Speed Controller 6 AMP

Part No.

9021057 100% speed controller for linear control of fans





9021058 100% speed controller for



Speed Controller 10 AMP

Part No.

linear control of fans



New high voltage protection adjustment on 3-Amp and 6-Amp controllers.

Low voltage "No Stall" adjustment on 3-Amp and 6-Amp





















Accessories

Customer Services 01494 560800

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					DUPLEXVENT			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	-	-		

33

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

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80000191 - Issue2 07/15

