DUCTING, GRILLES, CONTROLLERS AND MUCH MORE







COMPATIBILITY

II

Delivering the best performance

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

RESPONSIVE WEBSITE KEEP UP TO DATE ON THE GO



For the latest ventilation news, information, product data and application advice

CLICK CALL VISIT



Commercial Fan Speed Controllers

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

Acoustic Accessories

A range of Acoustic 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 (O/D 75mm, I/D 63mm round/ Outside 51mm x114mm, Inside 39mm x 102mm oval) without any hydraulic pressure loss
- Compact, suits narrow joists and low ceiling voids
- Durable with high crushability (10 kN/m²)
- 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

AirflexPro

Round Ducting

Part No.

9041130

Dimensions:

O/D 75mm, I/D 63mm

Description

50 m coil (round)

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

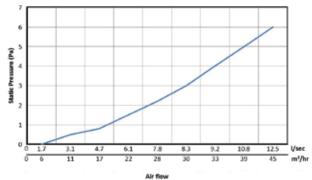


Flammability Testing

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).

Airflex Pro (Round and Oval) Semi Rigid Ducting Flow Pressure Curve



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.



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

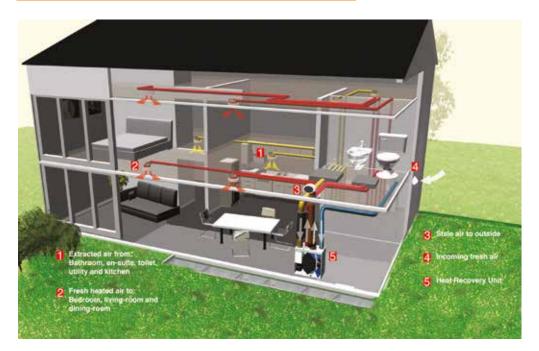
AirflexPro Round and Oval Ducting Clips

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 | Α | В | С | D | Е | F | G | Part No. | Product | Amount |
|------------------|------|-----|-----|----|---|---|------|----------|----------------------------|---------------------|
| AirflexPro Round | 89.9 | 125 | 103 | 25 | 3 | 3 | 83.3 | 90000352 | AirflexPro Round Duct Clip | Sold in packs of 10 |
| AirflexPro Oval | 56.3 | 166 | 144 | 25 | 3 | 3 | 49.8 | 90000353 | AirflexPro Oval Duct Clip | Sold in packs of 10 |

Typical System 4 (MVHR)

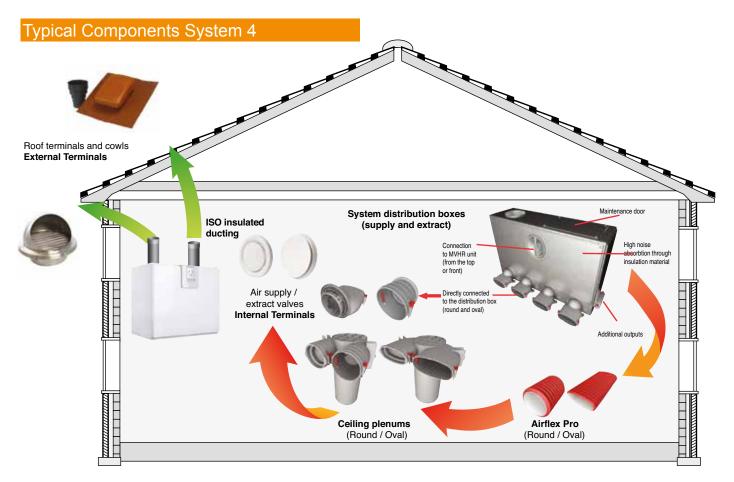




Typical AirflexPro installation showing the transition between oval and round without increasing the system pressure



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

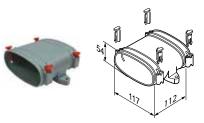




AirflexPro Accessories

| Straight Connection Piece | | |
|---------------------------|----------------------|--|
| Part No. | Dimensions | |
| 90000253 | 54 x 117 mm Straight | |

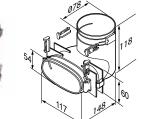
90000253 54 x 117 mm Straight Connector (oval-oval)



| | - | Ni - | 0 | |
|---|----|------|----|---|
| - | 30 | 10 | L, | ţ |

Part No.

90000251



| 90° Horizontal Elbow | | |
|----------------------|---|--|
| Part No. | Dimensions | |
| 90000248 | 54 x 117 mm Horizontal elbow (oval-oval) | |
| | 541 | |

90° Vertical Transition Piece

Dimensions

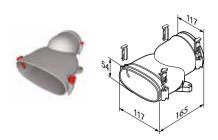
90° Vertical Transition

Piece (round-oval)

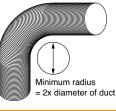


• Connects AirflexPro Round or Oval through the ceiling to the extract / supply valve. Can be cut down for varying height of void.

| Straight Transition Piece | | |
|---------------------------|---------------------------|--|
| Part No. | Dimensions | |
| 90000252 | Straight Transition Piece | |
| | (round-oval) | |



AirflexPro Round Figure 1. 90° bend



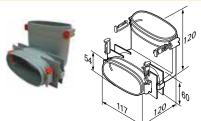
AirflexPro Oval

Figure 2. 90° Lateral bend 90° Horizontal bend Minimum radius = 3x diameter of duct Figure 3. 90° Horizontal bend Minimum radius 3x height of duct

 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.

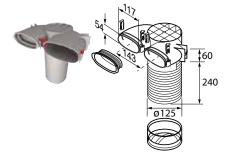
| Part No. Dimensi | ons | |
|--------------------|-----|--|
| 00° Vertical Elbow | | |
| | | |

| x 117 mm |
|--------------------------|
| rtical elbow (oval-oval) |
| |



Ceiling or Wall Plenum Oval

| Part No. | Dimensions |
|----------|-----------------------|
| 90000249 | 54 x 117 mm 90° |
| | Ceiling / Wall Plenum |



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.

| Sealing Rings Oval | | |
|---|--|--|
| Dimensions | | |
| 54 x 117 mm dia AirflexPro Oval Sealing Ring (pack of 10) | | |
| | | |

| Sealing Rings Round | | |
|---------------------|-----------------------|--|
| Part No. | Dimensions | |
| 9041133 | 75 mm dia. AirflexPro | |
| | Round Sealing Ring | |
| | (pack of 10) | |

Spare Holding Clips

| Part No. | Dimensions |
|----------|--------------|
| 90000261 | (pack of 10) |





M

Sealing Cap Round

| Part No. | Dimensions |
|----------|-----------------------|
| 90000256 | 78 mm Sealing Cap for |
| | AirflexPro Round |
| | Ceiling / Wall Plenum |

Sealing Cap Oval

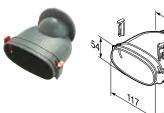
| Part No. | Dimensions |
|----------|-------------------------|
| 90000257 | 54 x 117 mm Sealing Cap |
| | for AirflexPro Oval |
| | Ceiling / Wall Plenum |

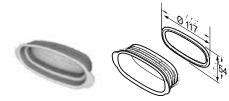
Sealing Cap for Distribution Box

| Part No. | Dimensions |
|----------|-----------------------|
| 90000267 | 125 mm Inlet Seal for |
| | Distribution Boxes |



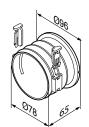
| Oval Spigot Connection | | |
|------------------------|--|--|
| Part No. | Dimensions | |
| 90000259 | Oval Spigots for Distribution Boxes | |

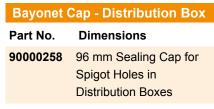




| Round Spigot Connection | | |
|-------------------------|---|--|
| Part No. | Dimensions | |
| 90000260 | Round Spigots for Distribution Boxes | |













112

AirflexPro Accessories

| Hygienic Caps | | |
|---------------|---------------------------|--|
| Part No. | Dimensions | |
| 9041131 | Hygienic cap for Airflex- | |
| | Pro round (pack of 10) | |

| Straight Connection | | |
|---------------------|---|--|
| Part No. | Dimensions | |
| 9041132 | Connects AirflexPro round to AirflexPro round | |



| 90° Compact Elbow | | | |
|---------------------|------------------------|--|--|
| Part No. Dimensions | | | |
| 9041139 | 75mm dia | | |
| | allows very small bend | | |
| | radius of duct | | |



Dimensions

2 spigots for 75mm

piping and 200mm x

50mm opening for wall grille (9041175)

90° Wall Outlet

Part No.

9041144

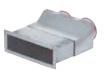
| Straight Ceiling Outlet | | |
|-------------------------|--|--|
| Part No. | Dimensions | |
| 9041141 | 2 spigots for 75mm piping and one spigot (125mm) | |
| | for extract or supply valve | |

| 9 | 0° | F | 00 | or | 0 | ut | le' |
|---|-----------|---|----|----|---|----|-----|
| | | | | | | | |

Part No. Dimensions 9041142 2 spigots for 75mm piping and one spigot (140mm) for floor grille (9041174)



| Straight Wall Outlet | | |
|----------------------|--|--|
| Part No. | Dimensions | |
| 9041143 | 2 spigots for 75mm piping and 200mm x 50mm opening for wal grille (9041175) | |



| 90° Floor Outlet – Round | | |
|--------------------------|---|--|
| Part No. | Dimensions | |
| 90000441 | 2 Spigots for 75mm piping suitable for stainless steel floor grille 90000440 | |
| | | |



| 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 | |





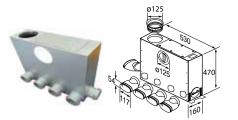


AirflexPro Distribution Boxes

 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)





6-Port In-Line Distribution Box (round)

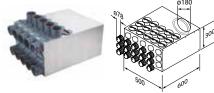
Part No. 90000264

Dimensions

15-Port Distribution Box (round) Dimensions

Part No.

90000269



Combination Distribution Box Supply Air Right

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



5-Port Distribution Box (round)

Part No. Dimensions

90000263



10-Port Distribution Box (oval) Part No. Dimensions

90000270



Combi Distribution Box (L/H)

| Part No. | Dimensions |
|----------|---|
| 90000443 | Enables supply and extract simultaneously connects to AirflexPro round 75mm (up to 6 spigots) inlet 125mm handed inlet |
| 20 | 0133 0000000000000000000000000000000000 |

Combination Distribution Box Supply Air Left

c 00

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



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

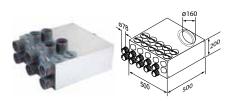
Part No. Dimensions

90000265



10-Port Distribution Box (round)

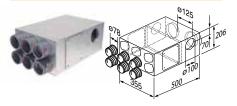
Part No. Dimensions 90000266



Combi Distribution Box (R/H)

Part No. Dimensions

90000444 Enables supply and extract simultaneously connects to AirflexPro round 75mm (up to 6 spigots) inlet 125mm handed inlet



Mountig Brackets

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



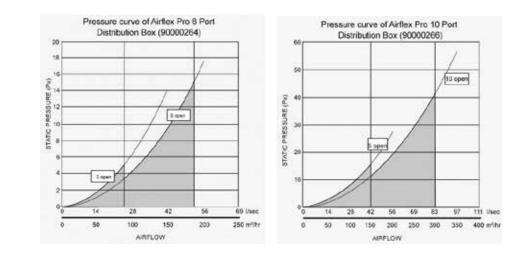


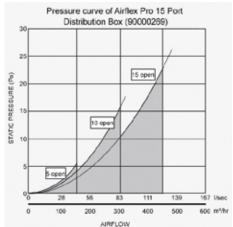
Distribution Box Sound Attenuators

| Distribution Bo | x Part Number | | 9000 | 0266 | | ę | 90000264 | 4 | ę | 0000263 | 3 | 1 | 90000269 |) |
|----------------------|----------------|---------------|----------|----------|------|-------|----------|-------|----------|---------|-------|----------------|----------------------|-------|
| Position | | D | D1, D3 | D2 | D4 | D | D1 | D2 | D | D1 | D2 | D | D1, D3 | D2 |
| Sound Input dE | B(A)* | 52.3 | | | | 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 Tot | tal dB(A) | | 16.9 | 15.8 | 19 | | 17.9 | 16.3 | | 15.2 | 12.7 | | 17.1 | 16.3 |
| | |) D1 D2 | | | | D1 D2 | | Ø∽° | D1 D2 | | | D1 D2 D3 | 2000 0000 0000 | |
| | Frequency (Hz) | Т | ransmiss | sion (dB | \$)⁺ | Trans | mission | (dB)⁺ | Trans | mission | (dB)⁺ | Trans | smission | (dB)⁺ |
| | 125 | | 23 | 3 | | | 22.6 | | | 23.5 | | | 26.8 | |
| | 250 | | 21 | .8 | | | 21.3 | | | 24.2 | | | 19.4 | |
| Octave Band level | 500 | | 36 | .2 | | | 27.7 | | | 19.3 | | | 28.4 | |
| Attenuation | 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





AIRFLEX DUCTING

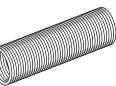
| Airflex Fle | Airflex Flexible Round PVC Hose | | | | |
|-------------|---------------------------------|----------|-------------|--|--|
| Part No. | Dimensions | Part No. | Dimensions | | |
| 52641005 | ø100mm x 1m | 52641009 | ø125mm x 3m | | |
| 52641001 | ø100mm x 3m | 9041557 | ø125mm x 6m | | |
| 52641002 | ø100mm x 6m | 9041555 | ø150mm x 1m | | |
| 52641006 | ø100mm x 15m | 52641003 | ø150mm x 3m | | |
| 52641007 | ø100mm x 45m | 52641004 | ø150mm x 6m | | |
| 52641008 | ø125mm x 1m | | | | |



 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.

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.

| 02 | | 1 | | A |
|----|---|---------|---|---|
| 1 | - | 20 | | |
| | | | | |
| | 1 | | | 2 |
| | - | A COLOR | - | |



| Airflex Re | Airflex Re-enforced Aluminium Flexible Ducting | | | |
|------------|--|----------|--------------|--|
| Part No. | Dimensions | Part No. | Dimensions | |
| 9021311 | ø100mm x 3m | 9021313 | ø200mm x 3m | |
| 9021315 | ø100mm x 5m | 9021317 | ø200mm x 5m | |
| 9021318 | ø100mm x 10m | 9021321 | ø200mm x 10m | |
| 9021316 | ø150mm x 5m | 9021314 | ø300mm x 5m | |
| 9021320 | ø150mm x 10m | | | |



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.

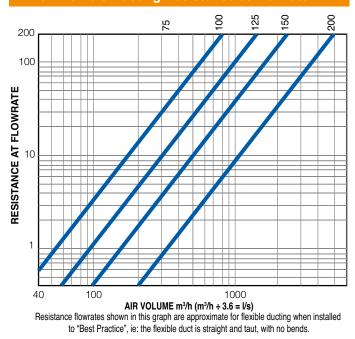
For optimum performance duct should be as straight and taut as possible to ensure "best practice" installation.



| Airflex Re-enforced Aluminium Insulated Flexible Ducting | | | | |
|--|------------------|----------|--------------|--|
| Part No. | DimensionsPart N | No. | Dimensions | |
| 52662701 | ø102mm x 10m | 90000503 | ø160mm x 10m | |
| 52662702 | ø127mm x 10m | 90000504 | ø180mm x 10m | |
| 52662703 | ø152mm x 10m | | | |



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.

Semi Flexible Insulated Sound Attenuators

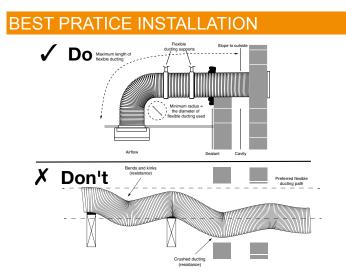
| Part No. | Dimensions | Average Sound Attenuation (dB)* | |
|----------|-----------------|---------------------------------|--|
| 90000642 | ø100mm x 500mm | 26 | |
| 90000643 | ø125mm x 500mm | 22 | |
| 90000644 | ø150mm x 500mm | 21 | |
| 90000645 | ø160mm x 1000mm | 29 | |
| 90000646 | ø200mm x 1000mm | 23 | |
| 90000647 | ø250mm x 1000mm | 20 | |
| - STARE | | | |

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 0.04 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).



 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. Inbetween these two layers is a 25mm 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.

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 | | |
| | | | |

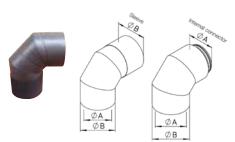


- ISO pipe ducting, pre-insulated.
- Tough, durable, anti-static EPP construction.
- Fire retardant to EU-B2 DIN 4102.
- Choice of components to suit any layout.
- Typically connects to MVHR units and distribution boxes and to outside for venting.
- Pre-insulated duct for when the ventilation unit is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

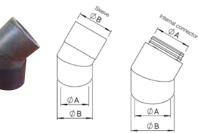
AIRFLEX ISO BENDS AND CONNECTORS

90° Elbow

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



| 45 EIDOW | |
|----------|---|
| 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 | | | | |
|---------------|--|--|--|--|
| Part No. | Dimensions | | | |
| 9041149 | ø125mm ISO pipe female /female Connector (plastic) | | | |
| 90000468 | ø160mm ISO pipe male / male Connector (plastic) | | | |
| 90000478 | ø180mm ISO pipe male / male connector (plastic) | | | |







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 | | |

| Elbow / P | 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 ø | | |

| Horizont | al Bend | |
|----------|------------|--|
| Dout No. | Dimensione | |

| Part No. | Dimensions |
|----------|--------------------|
| 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 |
| 52641201 | <1 | 1 | 1.5 | 3 | 5.2 |
| 52641202 | <1 | 1.1 | 2.3 | 4.1 | 7.7 |

| 1 | - | | |
|---|---|--|--|
| 6 | | | |
| | | | |

Vertical Bend

Part No.

52641601

| 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 |

Dimensions

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 |

Horizontal Adapter (round / rectangle)

Dimensions

51980001 204mm x 60mm x 125mm ø

| Flexible J | oining 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 |

| - | 1 | \sim |
|-----------|------|--------|
| Distance. | | |
| 12.475 | 1000 | |

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

| E V |
|-----|
| |

1

Part No.

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

| Horizontal T | | | | |
|--------------|--------------|--|--|--|
| Part No. | Dimensions | | | |
| 52641801 | 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 |
| 52641801 | vary on installation | | | | |

| Straight Connector | | | | |
|---------------------|--------------|--|--|--|
| Part No. Dimensions | | | | |
| 52641701 | 204mm x 60mm | | | |
| | | | | |



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

| Flat Channel Clip | | | | |
|-------------------|--------------|--|--|--|
| Part No. | Dimensions | | | |
| 52641901 | 204mm x 60mm | | | |
| | | | | |





For sealant for duct see page 273

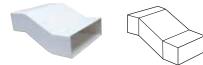
Crossover Duct Connector

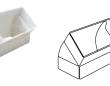
 Part No.
 Dimensions

 90000482
 204mm x 60mm

Vertical Bend 45°

| Part No. | Dimensions |
|----------|--------------------|
| 90000483 | 204mm x 60mm - 45° |





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 | |

 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.

| Resistance (Pa) at flow rate | | | | | |
|------------------------------|--------|--------|--------|--------|--------|
| Part No. | 10 l/s | 20 l/s | 30 l/s | 40 l/s | 60 l/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 |

| Y Piece | |
|----------|------------|
| Part No. | Dimensions |
| 9041556 | ø125mm M |



| Equal T Piece | | |
|---------------|-----------------------|--|
| Part No. | Dimensions | |
| 9041461 | 100 x 100 x 100mm ø M | |
| 9041201 | 125 x 125 x 125mm ø M | |
| 9041545 | 150 x 150 x 150mm ø M | |



| Resistance (Pa) at flow rate | | | | | |
|------------------------------|--------|--------|---------|---------|--------|
| Part No. | 10 l/s | 20 l/s | 30 l/s | 40 l/s | 60 l/s |
| 9041461 | | vary o | n insta | llation | |
| 9041201 | | vary o | n insta | llation | |
| 9041545 | | vary o | n insta | llation | |





| 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 |
| 9000055 | <1 | 2.1 | 4 | 9.4 | 17 |

| 45° Bend | |
|----------|------------|
| Part No. | Dimensions |
| 9041544 | 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

For sealant for duct see page 273



DUCT REDUCERS

| Straight Reducer | | |
|------------------|-------------------|--|
| Part No. | Dimensions | |
| 51979601 | ø125mm to 100mm M | |
| 9000060 | ø150mm to 125mm M | |

| (| | |
|---|--------|--|
| | ((())) | |
| | | |

ø200mm to 150mm M



Offset Reducer

Dimensions

(fits inside pipe 125mm - male and accepts

an offset 100mm pipe - female)

ø125mm to 100mm M

Part No.

52644101

M = Male connection

90000061

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 |



BACKDRAUGHT FLAP

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





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

| Round Pipe Connector | | |
|----------------------|------------|--|
| Part No. | Dimensions | |
| 90000019 | ø100mm M | |
| 52644001 | ø125mm M | |
| 9000058 | ø150mm M | |
| 90000059 | ø200mm M | |



| 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 | |



| Condensation Trap | | |
|-------------------|------------|--|
| Part No. | Dimensions | |
| 51978301 | ø100mm | |
| 52364801 | ø150mm | |



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

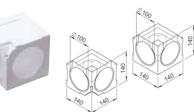
This versatile and innovative ducting is designed around a coving system that can be incorporated within the visible part of the house or flat and is ideally suited to a standard footprint building design where there is a common entrance hallway with all the rooms branching off the hallway.

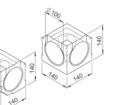
Retro ducting is lightweight, versatile and easy to fit making it the perfect choice for a discreet coving ducting application. This system can be used for System 4(Mechanical Ventilation with Heat Recovery) in a supply and extract function and also System 3 (Mechanical Extract Ventilation) as an extract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

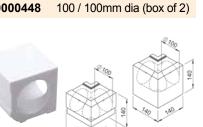
| Inner Ang | le with Stucco Profile | Distributi | on Box Sealing Cap | (| Outer Ang | le with Stucco Profile |
|-----------|--|------------|----------------------|---|------------------------|-------------------------------------|
| Part No. | Description | Part No. | Description | F | Part No. | Description |
| 90000281 | 100 / 100mm dia (box of 2) | 90000282 | 100mm dia | S | 0000283 | 100 / 100mm dia (box of 2) |
| | | | |) | | 0 |
| Wall Coni | necting Pipe | Duct with | Square Profile | | <mark>۲ Piece</mark> w | ith Square Profile |
| Part No. | Description | Part No. | Description | F | Part No. | Description |
| 90000284 | 100mm dia PVC | 90000445 | 1m length (box of 4) | 9 | 0000446 | 100 / 100 / 100mm dia (box of 4) |
| | 6k1 04 001 001 001 001 001 001 001 0 | | | | | |
| | 1 1 1 1 1 1 1 1 1 1 | 6 | 18 | | | airflow.con |

Inner Angle with Square Profile

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







Outer Angle with Square Profile

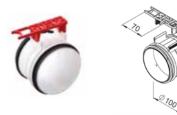
Description

Part No.

90000448

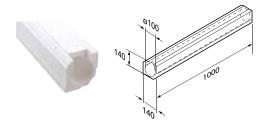
| 000 | Connector Set |
|-----|---------------|
| | Connector Set |
| | |

Part No. Description 90000278 100mm (with clamp)

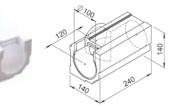


Duct with Stucco Profile

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



| T-Piece with Stucco Profile | | | | |
|-----------------------------|-------------------------------------|--|--|--|
| Part No. | Description | | | |
| 90000279 | 100 / 100 / 100mm dia (box of 4) | | | |



Short Connector Part No. Description 90000280 100mm dia





How Retro Ducting Works (System 4 - MVHR)

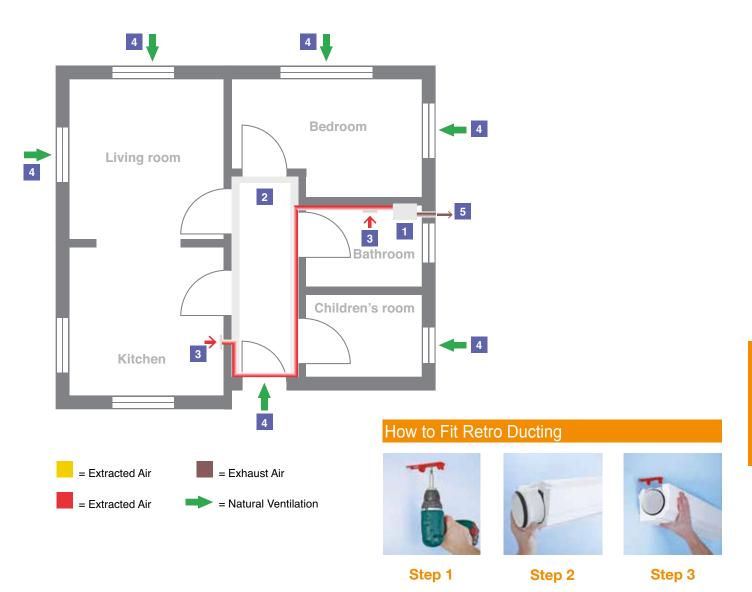
- 1. Linked to an Airflow Duplexvent Domestic Heat Recovery unit that saves heat from indoors and transfers it to incoming fresh air providing an excellent indoor air quality.
- 2. Unique Retro Duct combination distribution box collects extracted "stale, moist" air from kitchen and bathroom whilst distributing 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.





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.

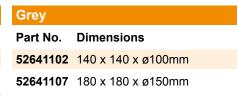


SQUARE EXTERNAL GRILLES

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

| White | |
|----------|--------------------------|
| Part No. | Dimensions |
| 52641101 | 140 x 140 x ø100mm |
| 9021172 | 140 x 140 x ø100mm - F/S |
| 9041221 | 160 x 160 x ø125mm |
| 52641106 | 180 x 180 x ø150mm |





Part No. Dimensions

52641103 140 x 140 x ø100mm

9041223 160 x 160 x ø125mm

52641108 180 x 180 x ø150mm

9021082 140 x 140 x ø100mm - F/S

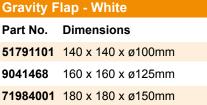
Terracotta

| | 1 | - | |
|--|---|---|---|
| | | E | 1 |
| | | | |
| | | | |

Beige



| Beige | | Gravity |
|----------|--------------------|----------|
| Part No. | Dimensions | Part No. |
| 52641105 | 140 x 140 x ø100mm | 51791101 |
| 52641110 | 180 x 180 x ø150mm | 9041468 |
| | | 71984001 |
| | | |









 For use ideally with our range of iCON fans, multiple sizes and colours available.

ICON ROUND EXTERNAL GRILLES

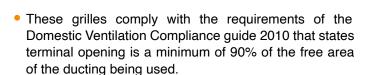
For Use With Round Rigid Duct Only.

| Terracotta | | | |
|------------|---------|------------|--|
| Part No. | Dimensi | ons | |
| 72596201 | ø100mm | A = ø180mm | |
| 72593101 | ø150mm | B = ø240mm | |
| | | | |



P

| White | |
|----------|-------------------|
| Part No. | Dimensions |
| 72596202 | ø100mm A = ø180mm |
| 72593102 | ø150mm B = ø240mm |
| Ċ | |



airflow.com

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 | |
| 52642002 | 204mm x 60mm | |



51849605 204mm x 60mm

|--|

| With Interr | al Damper - Terracotta |
|-------------|------------------------|
| Part No. | Dimensions |

| 51978702 204mm x 60mm | n x 60mm | 51978702 |
|-----------------------|----------|----------|

| With Internal Damper - White | |
|------------------------------|--------------|
| Part No. | Dimensions |
| 51978701 | 204mm x 60mm |
| 51978701 | 204mm x 60mm |

| Double Airbrick - C/W Adaptor | |
|-------------------------------|--------------------------|
| Part No. | Dimensions |
| 90000077 | 204mm x 120mm Terracotta |
| 9000076 | 204mm x 120mm White |
| 90000132 | 204mm x 120mm Stone |

Dimensions



STAINLESS STEEL **EXTERNAL GRILLES**

- Outside stainless steel grilles for greater weather protection suitable where a greater aesthetic appeal is necessary





Fits 204 x 60 Duct

- - 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.

9041230

9041231

Cowl with Gravity Flap

Dimensions

ø125mm

ø150mm

| Round Cowl with Louvers | |
|-------------------------|------------|
| Part No. | Dimensions |
| 52644501 | ø100mm |
| 9041226 | ø125mm |
| 52644601 | ø150mm |
| | |





Part No.

52644701

9041228

52644801

90000506

Round Cowl with Mesh

Dimensions

ø100mm

ø125mm

ø150mm

ø160mm



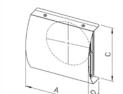
STAINLESS STEEL EXTERNAL GRILLES

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 |

| Regal Front Entry Cowl | |
|------------------------|-------------------------|
| Part No. | Dimensions |
| 90000450 | To suit ø125mm ISO duct |
| 90000499 | To suit ø160mm ISO duct |
| 90000502 | To suit ø180mm ISO duct |







ROOF COWLS & TRAPS

| Grey Roof Cowl | |
|----------------|------------------------|
| Part No. | Dimensions |
| 9004554 | Roof cowl A.B.S ø100mm |





Universal Roof Terminal & Adaptor

| 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 | 100m³/h 200m³/h 400m³/h 800m³/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 | | | | |

Roof Slate

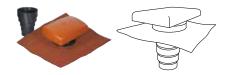
| Part No. | Dimensions |
|----------|--------------------|
| 9004597 | 450mm Pitched roof |
| 9004598 | 600mm Pitched roof |



Suitable for 100mm and 125mm rigid round duct

| Universal Roof Terminal & | Adaptor |
|--------------------------------------|---------|
|--------------------------------------|---------|

| Part No. | Dimensions |
|----------|----------------------------|
| 90000351 | ø100mm / 110 / 125 / 150 / |
| | 160mm - Terracotta |



| Duct size | Vent free area | Pressure / Airflow Resistance Readings (Pa) (vent system pressure) | | | | | | | |
|--------------|----------------------|--|---------------------------------|------|-------|--|--|--|--|
| (mm) | (mm²) | 100m³/h | 100m³/h 200m³/h 400m³/h 800m³/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 | | | | |

Airslate & Adaptor

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



Universal Roof Terminal & Adaptor

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



| Duct size | Vent free area | Pressure / Airflow Resistance Readings (Pa) (vent system pressure) | | | | | | |
|--------------|----------------------|--|------|------|-------|--|--|--|
| (mm) | (mm²) | 100m³/h 200m³/h 400m³/h 800m³/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 273



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 No. | Dimensions | | | |
|----------|-------------------------|--|--|--|
| 72643201 | ø100mm x 350 Rigid duct | | | |
| 72643203 | ø150mm x 350 Rigid duct | | | |

Cavity Wall Kit - White

Part No. Dimensions 72643202 ø100mm x 350 Rigid duct 72643204 ø150mm x 350 Rigid duct

High Rise Cavity Wall Kit -Cowl / Rubber Seal

Part No. Dimensions 9021451 ø100mm Rigid duct

330



| Flexible Wall Kit - Terracotta | | | |
|--------------------------------|-------------------|--|--|
| Part No. | Dimensions | | |
| 72643601 | ø100mm 3m Ducting | | |
| 90000437 | ø125mm 3m Ducting | | |
| 72643603 | ø150mm 3m Ducting | | |





Rigid Wall Kit - Terracotta

Part No. Dimensions **900001015** ø100mm x 350 Rigid Duct 900001016 ø125mm x 350 Rigid Duct **900001017** ø150mm x 350 Rigid Duct



| Flexible wall Kit - white | | | | |
|---------------------------|-------------------|--|--|--|
| Part No. | Dimensions | | | |
| 72643602 | ø100mm 3m Ducting | | | |
| 90000438 | ø125mm 3m Ducting | | | |
| 72643604 | ø150mm 3m Ducting | | | |



Rigid Wall Kit - White

Part No. Dimensions 900001018 ø100mm x 350 Rigid Duct 900001019 ø125mm x 350 Rigid Duct 900001020 ø150mm x 350 Rigid Duct



| - | ms | nign | nse | ca | vity | waii | κιι |
|---|-------|---------|---------|------|------|--------|------|
| e | enab | les in | stallat | ion | via | inser | tion |
| f | rom | the in | nside | of | the | dwell | ing, |
| 5 | so no | acce | ss to f | the | outs | ide of | the |
| ĥ | prope | erty is | requir | red. | | | |
| | | | | | | | |
| | | | | | | | |

wall kit

| In-Line Flexible Ducting Kit | | |
|------------------------------|-------------|--|
| Part No. | Dimensions | |
| 9041183 | ø100mm x 6m | |
| 9041184 | ø125mm x 6m | |
| 9041185 | ø150mm x 6m | |



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

ACOUSTIC ACCESSORIES

| Acoustic Humidity Air Vent | |
|----------------------------|---------------------|
| Part No. | Dimensions |
| 9041306 | 425mm x 45mm x 64mm |
| | |





| Circular Attenuators | | |
|----------------------|----------------|--|
| Part No. | Dimensions | |
| 90000115 | 125mm x 600mm | |
| 9541176 | 125mm x 900mm | |
| 9541177 | 125mm x 1250mm | |



AIR VALVES EXTRACT (E) & SUPPLY (S)

I

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

| Plastic Adjustable Air Valve (S) | |
|----------------------------------|---------------------------|
| Part No. | Dimensions |
| 90000339 | ø125mm Directional supply |

| Metal Adjustable Air Valve (S) | | |
|--------------------------------|------------|--|
| Part No. | Dimensions | |
| 9041168 | ø125mm | |

160mm

Dimensions

175mm

(Outside Diameter)

(Outside Diameter)

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



| 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) |
| 0 | A (Outside Diameter) |

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.

В

(Depth)

26

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 |
| | |

| Supply Air | Valve - White |
|------------|---------------------|
| Part No. | Dimensions |
| 9041169 | ø125mm 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.

| | Alum | inium | 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 outle |
| | (9041143) and 90° Wall |
| | outlet (9041144) also |
| | fits to 204mm x 60mm ducting |
| | |

| Floor Grille - Satin S/steel | |
|------------------------------|--|
| Part No. | Dimensions |
| 9041174 | Floor grille from satin stainless steel air volume adjustable via setting disc fits with floor outlet |
| | (9041142) |



Coanda Valve for Supply

| Part No. | Description |
|----------|-------------|
| 90000285 | 100mm dia |



Extract Air Valve - White

Part No.Dimensions9041173ø125mm wall/ceiling



| 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 |





Stylish Supply/Extract Valve

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

| Retro System Supply/Extract Valve | | |
|-----------------------------------|---------------------------|--|
| Part No. | Description | |
| 90000315 | C/W filter (9000317) 100ø | |

Retro System Supply/Extract Valve

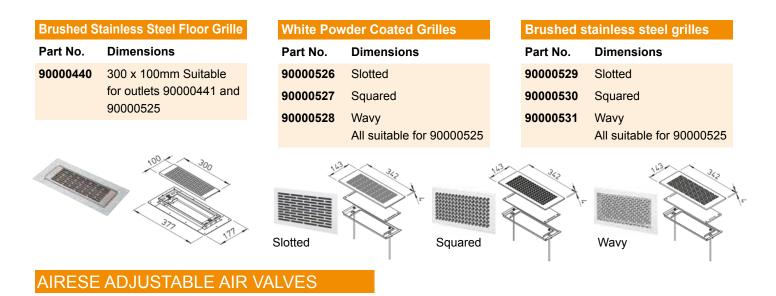
| Part No. | Description |
|----------|---------------------------|
| 90000439 | C/W filter (9000317) 100ø |







SPECIALITY AIR VALVES

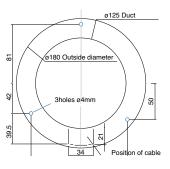


- Airese air valves are designed to provide a complete demand controlled ventilation solution. The valves automatically respond to conditions within specific rooms such as kitchens and bathrooms and then operate accordingly to meet the ventilation required for that type of room.
- Models include constant 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 No. | Dimensions |
|----------|--|
| 9041234 | 15m ³ /h Constant air flow |
| 9041235 | 30m ³ /h Constant air flow |
| 9041236 | 15m ³ /h Constant air flow, Pull Cord Boost to 30m ³ /h |
| 9041237 | 20m ³ /h Constant air flow, Pull Cord Boost to 75m ³ /h |
| 9041238 | 5m ³ /h Constant air flow, Humidity Boost to 45m ³ /h |
| 9041239 | 10m ³ /h Constant air flow, Humidity Boost to 45m ³ /h |
| 9041240 | 12m³/h/ 45m³/h/ 105m³/h air flow, Boost Humidity Electric with Timer |
| 9041241 | 5m ³ /h/ 40m ³ /h/ 100m ³ /h air flow, Boost Humidity Electric with 125mm Connector |
| 9041242 | 6m ³ /h/ 40m ³ /h/ 90m ³ /h air flow, Boost Humidity Pull Cord |
| 9041243 | 5m ³ /h air flow, Boost Electric to 30m ³ /h |
| 9041244 | 5m ³ /h air flow, Boost PIR Batt to 30m ³ /h |



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 | | |





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 |
|----------|--------------------------------------|
| 9000010 | Round/oval AirflexPro - 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 |



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.



| Таре | |
|----------|------------|
| Part No. | Dimensions |
| 90000016 | 50m tape |

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

| Grey Acrylic Duct Sealant | |
|---------------------------|---|
| Part No. | Dimensions |
| 90000356 | 380 ml Grey acrylic duct sealant - non hardening. |
| | |



METAL WORM DRIVE CLIPS

8mm Wide

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



Isolation switch

Part No.
90000537 Single Ph-two pole



Isolation switch with neon

Part No.

90000538 Single Ph-two pole



On/off switch

Part No.

90000540 Single pole



| On/off switch with neon | |
|-------------------------|-------------|
| Part No. | |
| 90000543 | Single pole |



Part No.
90000541 Three pole



| Two position switch | |
|---------------------|-------------|
| Part No. | |
| 90000544 | Single pole |



Supervent SV6 switch with neon

Part No.90000548Double and single pole



Part No.

90000546

Three position with neon speed indicator switch

y d 🥐 🎯 🖬 f

Supervent SV6 / QT150 B switch

Double and single pole

Part No.

90000549 Three position





On/off lockable and neon switch

 Part No.

 90000550
 Single and triple pole



Isolation switch with neon and fuse

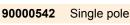
Part No.

90000539 Single Ph-two pole



Momentary boost switch

Part No.





Two position switch with neon for second speed

Part No.

90000545 Single pole



On/off with lockable isolator switches

Part No.

90000547 Double and triple pole



On/off - 2 speed with 2x neon switch

 Part No.

 90000551
 Single and double pole





| Variable Speed Fan Controller | 1 Amp Reversible Speed Controller | 1 Amp Stepless Speed controller | | | |
|---|-----------------------------------|---------------------------------------|--|--|--|
| Part No. | Part No. | Part No. | | | |
| 9041033 Maxivent / Supervent iCON 60 | 9041566 Reversible fans | 9041565 Single phase fans | | | |
| .2. |) . | .) | | | |
| 3 Amp Stepless Speed Controller | QuietAir 150 VS controller | PIR Motion Sensor Timer | | | |
| Part No. | Part No. | Part No. | | | |
| 9041569 Single phase fans | 90000514 QTI50VS | 51969702 c/w timer 3 - 30 mins | | | |
| .) | C | 0 | | | |
| Electrical Humidistat On / Off | Single gang back box | Double gang back box | | | |
| Part No. | Part No. | Part No. | | | |
| 9041570 Humidisat 30% - 90% | 90000552 35mm deep | 90000553 35mm deep | | | |
| | and the second | | | | |

COMMERCIAL FAN SPEED CONTROLLERS

A. L.

| Speed Co | ontroller 1 AMP | Speed Controller 3 AMP | | | |
|----------|---|------------------------|---|--|--|
| Part No. | | Part No. | | | |
| 9021055 | 100% speed controller for linear control of fans | 9021056 | 100% speed controller for linear control of fans | | |
| . 6 | AIRFLOW | . 6 | AIRFLOW | | |

.

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

and the

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 | - | - | |

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



Air Flow Solutions



Always Innovating

Our constant search for new and better ways to save energy, improve the indoor environment and provide you with high quality, reliable and easy to use products that contribute to a low carbon future continues.

visit: airflow.com

for the latest, products, data sheets, application advice and information

Customer Services : 01494 525252 Technical Support : 01494 560950







Call: 01494 560800



Airflow Developments Limited Aidelle House, Lancaster Road, Cressex Business Park, High Wycombe, Buckinghamshire, United Kingdom, HP12 3QP E-mail: info@airflow.com Telephone: +44 (0) 1494 525252

airflow.com

© Airflow Developments Limited. Airflow Developments Limited reserve the right, in the interests of continuous development, to alter specifications without prior notice. All orders are accepted subject to our conditions of sale which are available on request

80000191 - Issue5 03/19

Visit: airflow.com

