

VENTILATION SOLUTIONS

EXPERTS IN IMPROVING INDOOR AIR SINCE 1955



RESIDENTIAL FANS



HEAT RECOVERY



COMMERCIAL FANS



DUCTING ACCESSORIES



MORE THAN 60 YEARS' OF EXPERIENCE

Founded in 1955, Airflow has grown from one man's expertise in fan design and air flow measurement into a thriving international group. Renowned for its innovative approach to new product development and air movement techniques, Airflow can offer you a variety of ventilation solutions to suit your needs.

With headquarters in High Wycombe, where the business was founded, Airflow has subsidiaries in Germany and the Czech Republic and has global distributors from Norway to New Zealand.

Airflow's knowledgeable and committed staff continually develop new and innovative products that raise standards and provide long term, reliable ventilation solutions.



UNITED KINGDOM

High Wycombe (Head Office)

Our founder started the business in 1955, just one mile from the current site, which has been Airflow's headquarters since 1960, co-ordinating our global activities.



GERMANY

Airflow has been serving ventilation products and air measurement devices to the German and European markets for over 50 years. Operating near Cologne, Airflow Germany has their own customer service, sales and after sales team.



CZECH REPUBLIC

Founded in Prague over 20 years ago, the Airflow Czech Republic team offer sales and servicing of ventilation products for the Eastern European market.



Who We Inspire

Architects and Consultants

Design your project with discrete ventilation products and detailed BIM files which specify products that perform

Mechanical Engineers

Technical information on all Airflow products are readily available including BIM files and performance data

House Builders & Developers

A large range of affordable, high-quality domestic products that perform when installed

Property Management

Install high-quality ventilation systems with low running costs, which require minimal maintenance and become long term assets

Facility Management

Relax with a range of easy to maintain fans that are reliable and economically perform

Social Housing

A large range of affordable, high-quality ventilation products that perform with low running costs and minimal maintenance

Merchants & Resellers

Airflow's dedicated Account Managers ensure that you get the best products for your company to distribute



AIR ACADEMY & TRAINING CENTRE

Airflow is proud to announce that the state-of-the-art Air Academy training facility and showroom is now open.

This 500m² facility is designed to educate, inform and inspire all that come to this modern venue.

Within the Air Academy you will be guided through the history of ventilation and be able to see the first inclined manometer to go into commercial production as well as some of the first internet controllable domestic and commercial MVHR units in the U.K.

Air Academy is more than just a showroom, it is also an elite training facility that is able to offer CIBSE and RIBA approved CPD seminars and is also equipped to offer the NICEIC Competent Persons Ventilation Installer Training Scheme.

To arrange a time for you to visit the Air Academy, please contact your Account Manager or alternatively contact Airflow on: **+44 (0)1494 525252** or e-mail info@airflow.com.

TRAINING SERVICES

Airflow offers on-demand CPD sessions for architects, specifiers and M&E consultants at a location of your choosing. Simply contact us to organise one of our Specification Managers to present these highly popular sessions at a date, time and location convenient for you.

RIBA APPROVED CPD

Understanding UK Building Regulations relating to Residential Mechanical Ventilation and Heat Recovery.

Understanding Mechanical Ventilation with Heat Recovery for Commercial Applications.



CIBSE APPROVED CPD

Mechanical Ventilation with Heat Recovery in Non-Residential Buildings.



NICEIC TRAINING SCHEME

Airflow regularly hosts the two day NICEIC Competent Persons Ventilation Installer Scheme at the Air Academy. The only audited competent person's scheme for ventilation installers. The Air Academy is NICEIC Centre Number 296.



RESPONSIBLE MANUFACTURING

ISO 9001 Quality Matters!

ISO 9001 – Airflow was the 152nd company to achieve the ISO 9001 standard and is currently one of few companies with ISO 9001:2015 certification. This ensures that all products that Airflow produce are stringently tested to provide customers with quality ventilation systems.



ISO 14001 Environmental Matters!

ISO 14001 – Airflow is also committed to reducing its impact on the environment and has achieved the ISO 14001:2015 standard. This commitment sees Airflow striving to improve efficiency whilst reducing energy usage, waste and consumption.



COMPLIANCE

BIM

BIM Airflow products are provided in BIM file format. Other formats ie: DWG, PDF are also available.



ErP Airflow manufactures ErP compliant fans and ventilation systems; ensuring that you are receiving energy efficient ventilation systems that perform.

WEEE

WEEE Airflow Developments Ltd is registered under the Waste Electronic and Electrical Equipment (WEEE) Directive scheme.



ACHILLES Airflow's supply chain has been accredited by Achilles. Giving you the confidence that you are dealing with a fully vetted company, whose supply chain stands up to scrutiny.

IP45

IP Ratings Our fans are designed to meet international Ingress Protection (IP) ratings. These ratings use two numerical classifications, one for water protection and the other for dust protection.



SAP The SAP assessment incentivises low carbon developments. To help developers achieve their SAP assessment, Airflow offers a number of products and accessories with SAP eligibility.



Passive House In a drive to reduce energy consumption, Airflow produces a large range of residential and commercial MVHR units with Passive House certification. This certification means that the units use minimal energy and help to reduce energy consumption, heat loss and energy bills of the building.



Quiet Mark Airflow offer Quiet Mark approved fans. Quiet Mark approval means that the fan is extremely quiet whilst not compromising on performance when in operation.



Building Regulations All of our products comply with the current Building Regulations Approved Document F1: Means of Ventilation (England and Wales). Airflow's products also comply with Scottish Building Standards, Technical Handbook 2015 for Domestic and Non-Domestic Applications, Standard 3.14 and Building Regulations (Northern Ireland) 2014, Part K.

WORKING TOGETHER

By working with professional organisations, Airflow is committed to improving the standards of regulations, product design, performance and on-site installation of ventilation products.

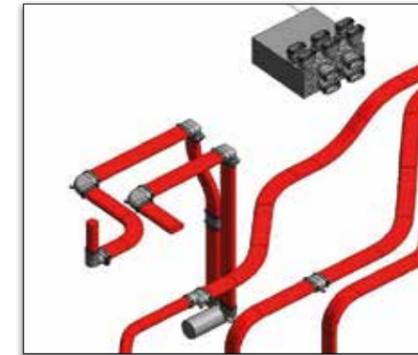
 <p>Building Research Establishment (BRE) is an independent organisation that is dedicated to improving the built environment and implementation of the Building Regulations.</p>	 <p>The British Electrotechnical and Allied Manufacturers Association (BEAMA) has a specialist ventilation group that promotes best practice and installation, product specification and Building Regulations.</p>	 <p>New London Architecture (NLA) is an independent information resource and discussion forum focused on London's built environment.</p>
 <p>Fan Manufacturers Association (FMA) focuses on influencing and monitoring commercial and industrial fan regulations.</p>	 <p>European Ventilation Industry Association (EVIA) assists in drafting regulations and promotes best practice.</p>	 <p>The Residential Ventilation Association (RVA) provides a technical overview of regulations and advises on the Building Regulations.</p>
 <p>The Kitchen Bathroom Bedroom Specialists Association (KBSA) promotes best practice kitchen, bedroom and bathroom design, which includes ventilation.</p>	 <p>Federation of Environmental Trade Associations (FETA) represents the ventilation industry to European, U.K. governmental and regulatory bodies.</p>	 <p>HEVAC represents the building services sector and emphasises in improving product performance and client awareness of ventilation.</p>
 <p>TÜV is a European technical certification body that independently assesses products to EN308 standard.</p>	 <p>NICEIC provides assessment and certification for contractors working across the building services sector.</p>	 <p>VTT is a Finnish certification body that assesses products on their annual efficiency and SFP.</p>
 <p>The Passive House Institute is an independent German research organisation that developed the Passive House standard and promotes its global adoption.</p>	 <p>The Passivhaus Trust advocates the adoption of the Passive House standard in the U.K.</p>	 <p>BSRIA provides specialist support for design, construction, facilities management, product testing and market intelligence in the construction and building services industry.</p>

FUTURE PROOFING SPECIFICATION

BIM

Building Information Modelling (BIM) uses CAD technology with product specifications to provide detailed architectural drawings. Mandatory for UK government contracts, BIM has been proven to reduce the construction costs and speed up the construction process.

To help in the design of quality ventilation systems in commercial, industrial and domestic settings, Airflow has produced BIM level 2 files for all of their products. These files are compatible with Revit – a CAD programme.



SELECTION SOFTWARE

Airflow has developed selection software to make it quicker and easier to find the perfect Airflow product to meet your needs

SELECTair

SelectAir helps you find the ideal residential fan to meet your requirements based on location within the dwelling and installation requirements.



DUPLXVENT

This software enables you to specify the ideal commercial Mechanical Ventilation with Heat Recovery (MVHR) unit for your needs.



USING THE LATEST TECHNOLOGY

In order to ensure that you receive ventilation products that can swiftly adapt to your needs, Airflow has introduced a number of control systems that make it quicker and easier for you to get the level of ventilation that you need, when you need it.

Airflow products can be controlled with Bluetooth, VAV, NFC, BACNet, KNX, Modbus and BMS technologies. Furthermore a number of our products can be controlled via an internet enabled device at home or on-the-go, including Adroit and Adroit Pro.



EXTRACT & REPLACE

The air in your home comes in from outside through trickle vents in the windows, air bricks, leaky flooring and loft hatches and all the cracks and holes in the fabric of the building.

Once inside, air circulates around the dwelling collecting pollutants on the way through open doors or through the gap under the door when they are shut. It is worth noting that a 10mm gap above the finished floor covering is required by the latest Building Regulations.

This polluted air is then removed from the toilet, bathroom, en-suite, utility room or kitchen by an extractor fan. For effective extraction to take place it is important that, even in a well sealed dwelling, there is sufficient air coming in to replace the air lost through extraction.

Well insulated properties, whilst reducing energy consumption, traps heat inside the built environment. This warmth enables the air inside the dwelling to hold more moisture. The increased moisture in the air makes the built environment more susceptible to damp and mould and puts the occupants' health at risk. The most effective way to combat the effects of warm, moist air without affecting the insulation of the dwelling is through mechanical ventilation.



WHY WE NEED TO VENTILATE



AIRTIGHT HOMES

Modern dwellings are designed with increasingly reduced air infiltration rates and higher levels of insulation making them almost completely sealed.

Consequently, the air inside your home can become moist, stale, generally stuffy and unpleasant to breathe. As we spend nearly 90% of our time indoors, we should be looking after our indoor air quality and environment much better.



CONDENSATION

Dampness is a huge problem in the U.K. Damaging to both humans, and to the fabric of buildings, condensation forms when the temperature of a surface (walls, mirror etc.) is below the dew point of the surrounding air. This leads to streaming windows and walls and ultimately to mould.



CARBON EMISSIONS

Everyone is aware of the need to reduce our carbon footprint. Managing the carbon emissions from dwellings will be the cornerstone of our Building Regulations until we reach a carbon zero dwelling.

The use of low energy motors without compromising on performance is Airflow's contribution towards creating a carbon friendly environment.



MOULD

Unchecked levels of moisture and relative humidity combined with a suitable organic breeding place such as wood, carpet or wallpaper, will lead to mould growth. Mildew forms in the wall cavities and crevices and its microscopic mould spores can be inhaled. Inhaling these spores can trigger asthma, allergies and skin disorders, so extracting moist air is important.



TOXIC GASES

A variety of noxious and toxic gases can collect within a dwelling if it's not properly ventilated. All this can have a serious effect on health and well being if not considered as part of a ventilation strategy.



NOISE

Many people don't stop to consider the constant level of sound that they are subjected to on a daily basis.

Often it is subliminal but it remains ever present. Noise affects our nervous system and, in extreme cases, our well-being. Specifying quieter ventilation products and radial duct work, which doesn't transmit noise between rooms, contributes to a quieter indoor environment. Airflow has worked hard to reduce the noise levels on our fans without affecting their performance. Our Quiet Mark approved fans, are proof of our continuing efforts in this area.

RESIDENTIAL EXTRACTOR FANS

MECHANICAL EXTRACT VENTILATION (MEV)

iCON®



- 3 model range with a flow rate up to 75 l/sec (270 m³/hr)
- Available with Timer, Humidity Timer and Motion Sensor interchangeable controls
- Can be surface mounted or recessed
- Red Dot Design Award winning silent iris shutter prevents backdraughts
- A range of coloured covers available
- IPX4 rating. Complies with Building Regulations and ErP
- SELV versions available
- 3 year warranty

QuietAir™



- 3 model axial fan range with a flow rate up to 72 l/sec (259 m³/hr)
- Sound levels from only 25 dB(A)
- Available with Timer, Humidity Timer, Motion Sensor and Continuous Ventilation controls
- Very low SFP and power consumption
- Integral flow straightener makes it ideal for longer duct runs
- IP45 Rating. Complies with Building Regulations and ErP
- 3 year warranty

LOOVENT eco



- 2 speed filterless centrifugal fan
- Smallest 30 l/sec (110 m³/hr) fan in its class
- Can be surface mounted or recessed in portrait or landscape
- Available with Timer, Humidity Timer and Motion Sensor controls
- Economical to operate - uses only 3.6W
- IPX5 Rating. Complies with Building Regulations and ErP
- SELV versions available
- 5 year warranty

Airovent WHV-80



- 2 unit range offering Whole House ventilation from a central location
- Flow rate up to 83 l/sec (299 m³/hr)
- 2 fan duty settings each with 15 selectable speeds
- All units use efficient Electrically Commutated (EC) motors
- Basic, Timer, Humidity controls
- Airflex Pro compatible units available
- Complies with Building Regulations and ErP
- 1 year warranty

Airovent WHV-135



- 2 unit range offering Whole House ventilation from a central location
- Flow rate up to 139 l/sec (500 m³/hr)
- 2 fan duty settings each with 15 selectable speeds
- Noise levels from 24 dB(A)
- All units use efficient Electrically Commutated (EC) motors
- Basic, Timer, Humidity, CO₂ controls
- Complies with Building Regulations and ErP
- 1 year warranty



The diagram illustrates a typical "System 3" central extract duct layout, focusing on the 'Best Practice' that the toilet extract is separate to, or positioned in line between the kitchen extract and the extract unit.

Aventa in-Line



- Powerful 2 speed, in-line mixed flow fans
- Flow rate up to 88 l/sec (280 m³/hr)
- High pressure, low noise
- Basic and Timer versions available
- Available as a shower kit
- Access to motor and impeller without dismantling ducting
- IPX4 Rating. Complies with Building Regulations and ErP
- 3 year warranty

Aria



- Entry level, 100mm axial fan
- Flow rate up to 18.5 l/sec (67 m³/hr)
- Noise levels from only 26 dB(A)
- Available in Basic, Timer, Humidity Timer and Motion Sensor Timer controls
- Can be ceiling and wall mounted
- IPX4 Rating. Complies with Building Regulations and ErP
- 3 year warranty

CLEAN AIR THINKING

Future proof your home and provide you and your family with the highest quality indoor air environment.



LOOVENT eco dMEV



- Continuously running centrifugal fan
- 2 speed ventilation – flow rate up to 31 l/sec (110 m³/hr)
- Can be surface mounted or recessed in portrait or landscape
- Timer, Humidity Timer controls
- SELV versions available
- IPX5 Rating. Complies with Building Regulations, ErP and SAP eligible
- 5 year warranty

iCONstant™



- Continuously running fan
- Quietest dMEV fan available – noise levels from 10dB(A)
- Flow rate up to 20 l/sec (72 m³/hr)
- Timer, Humidity Timer controls
- Guaranteed constant volume feature
- Only dMEV fan with IPX5 rating for walls and ceilings
- Complies with Building Regulations, ErP and SAP eligible
- 3 year warranty

HEALTHY HOMES

Protect you and your family by creating the healthiest home for all to live in by extracting potentially harmful air borne pollutants

RESIDENTIAL MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR)



DV250



- For use in dwellings up to 120 m²
- Flow rate up to 64 l/sec (230 m³/hr) at 100 Pa
- Up to 93% thermal efficiency
- Can be fitted with 2 x G4 or 2 x F7 air filters
- Automatic, 100% summer bypass
- Complies with Building Regulations, ErP and SAP eligible
- Passive House approved when fitted with Part No 90000415
- 2 year warranty*

DV300



- For use in dwellings up to 150 m²
- Flow rate up to 83 l/sec (300 m³/hr) at 100 Pa
- Up to 93% thermal efficiency
- Can be fitted with 2 x G4 or 2 x F7 air filters
- Automatic, 100% summer bypass
- Complies with Building Regulations, ErP and SAP eligible
- Passive House approved when fitted with Part No 90000415
- 2 year warranty*

DV400



- For use in dwellings up to 200 m²
- Flow rate up to 107 l/sec (385 m³/hr) at 100 Pa
- Up to 93% thermal efficiency
- Can be fitted with 2 x G4 or 2 x F7 air filters
- Automatic, 100% summer bypass
- Complies with Building Regulations, ErP and SAP eligible
- Passive House approved when fitted with Part No 90000415
- 2 year warranty*

DV96 / DV110 / DV145 / DV245




- Range suitable for dwellings up to 400 m²
- Flow rate up to 258 l/sec (929 m³/hr) at 100 Pa
- Up to 93% thermal efficiency
- Remote “on the go” Internet and BMS control available
- Unique 2 x G4 and 1 x F7 air filter system
- Range available in left and right-hand models
- Complies with Building Regulations, ErP and Passive House Institute certified when fitted with integral electric heater
- 5 year warranty*






Push & Pull Heat Recovery Unit




- Single room residential heat recovery unit
- Flow rate up to 45m³/hr
- Up to 88% heat recovery efficiency
- 3 operating modes: Heat recovery, Cross ventilation and Supply air mode
- G3 air filter with change indicator
- Convenient control, can be connected to extract air systems for combined ventilation
- Simple commissioning by connecting the controller to the PC or laptop
- Can be fitted with Humidity sensor for automatic adjustment of ventilation

WHAT IS MVHR?

Mechanical Ventilation with Heat Recovery (MVHR) units continuously ventilate a property through extracting the stale odours, moist air and replacing it with fresh, filtered air brought in from the outside. The heat from the extracted air is used to prewarm the incoming air and reduces the ongoing energy bills and heat loss of the property.

DV50 / DV80




- Suitable for dwellings up to 120m²
- Flow rate up to 79 l/sec (284 m³/hr) at 100 Pa
- Up to 90% thermal efficiency
- Remote “on the go” Internet and BMS control available
- Unique 2 x G4 and 1 x F7 air filter system
- Available in left and right-hand models
- Complies with Building Regulations, ErP and Passive House Institute certified when fitted with integral electric heater
- 5 year warranty*



- Easy access to replace filters
- Heat Recovery
- Removable, secure front cover panel for maintenance
- Removable Heat Exchanger for quick cleaning
- Durable steel double skin casing with 20mm insulation

RESIDENTIAL MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR)



DV90K

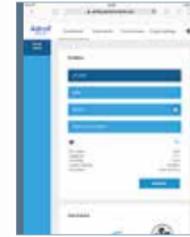


Adroit™

- MVHR unit with in-built cooker hood suitable for dwellings up to 120 m²
- Flow rate up to 70 l/sec (252 m³/hr) at 100 Pa
- Up to 83% thermal efficiency
- Still recovers heat when cooker hood is in operation
- Unique 2 x G4 and 1 x F7 air filter system
- Available in left and right-hand models
- Complies with Building Regulations and ErP
- 5 year warranty+



Customised Control, Anywhere



Adroit™

- Control your ventilation at home or on-the-go via your smartphone, tablet or computer
- Tailor your ventilation around your daily life
- Four customisable ventilation profiles can be scheduled around you
- BMS connectivity enables the property's ventilation to be controlled from a central point
- Maintain a healthy indoor air environment at all times whilst using minimal energy
- Profiles include:
 - Home** - control the everyday running rate
 - Away** - reduces the flow rate when demand is low
 - Boost** - increases the flow rate when occupancy has increased
 - Fireplace** - ensure safe ventilation when carbon fuel fires are in use



Control Made Easy

Adroit™



INTERNET
‘Smart’ control from your PC, tablet and smartphone for ‘on-demand’ connectivity.



GRAPHICAL CONTROL PANEL
Control panel guides you step by step, to get started. The coloured display is intuitive and easy to use.



CLOUD SERVICE
Control it via the internet connection. With the user's permission, Airflow technical support can connect to the unit and monitor its functions remotely.



HOME NETWORK
Connect the unit to the home network and then control it with a computer or a mobile device connected wirelessly into the network.



HOUSE AUTOMATION
Connect the ventilation unit into house automation through the Modbus.



HUMIDITY SENSOR
Adroit units have an integrated humidity sensor that boosts ventilation as needed, for instance, after a bath or shower. Ventilation level is also reduced automatically when excessive humidity has been removed. If needed, you can have an additional humidity sensor for rooms where the humidity level fluctuates, such as bathroom.



CARBON DIOXIDE SENSOR (CO₂)
Automate ventilation totally by purchasing a carbon dioxide sensor. It automatically boosts ventilation when the carbon dioxide level rises. Indoor air remains fresh and oxygen rich even if the house is full of people.



HEATERS
On those rare occasions when the outside temperature drops well below zero, optional heaters are available to top up the indoor temperature and protect the unit from frost.

CONTROL ON THE GO

Monitor and control your ventilation on the go, wherever you may be, with your smartphone, tablet or computer with ease and simplicity. Airflow ‘Cloud Control’ makes life easy.

Digital Controller



4 user profiles. 100% adjustable ventilation, touch screen

Manual Controller



Wall mounted, four speed (independently adjustable) rotary switch controller

CO₂ Transmitter



Sensor used for detecting and controlling carbon dioxide concentration

Humidity Transmitter



Sensor used for detecting and controlling relative humidity concentrations



COMMERCIAL MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR)

DV280 / DV380 / DV580

Adroit™ Pro



- Top entry MVHR units suitable for dwellings up to 250 m²
- Flow rate up to 158 l/sec (569 m³/hr) at 100 Pa
- Up to 95% thermal efficiency
- Internet and BMS control available
- Can be fitted with 2 x G4 or 2 x F7 air filters
- Versatile design (automatic switch between right / left configurations)
- Complies with Building Regulations, ErP
- 5 year warranty*



Duplexvent Flexi



DUPLEXVENT®



- 4 unit range with a flow rate up to 1483 l/sec (5339 m³/hr) at 200 Pa
- Up to 93% thermal efficiency
- Low energy EC fans
- Versatile unit positioning
- 100% adjustable digital controller with internet, VAV and BMS connection
- Off the shelf delivery
- Complies with BREEAM, ErP and is Passive House Institute certified
- 2 year warranty*



DV170 / DV370 / DV570

Adroit™ Pro



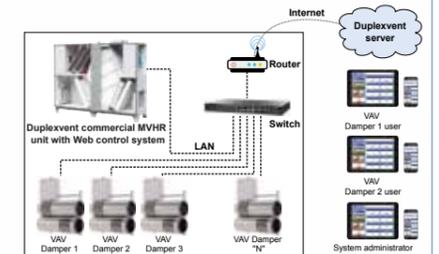
- Side entry MVHR units suitable for dwellings up to 250 m²
- Flow rate up to 157 l/sec (565 m³/hr) at 100 Pa
- Up to 95% thermal efficiency
- Internet and BMS control available
- Can be fitted with 2 x G4 or 2 x F7 air filters
- Versatile design (automatic switch between right / left configurations)
- Complies with Building Regulations, ErP
- 5 year warranty*



VAV System



- Suitable for all Duplexvent commercial MVHR units
- Independent monitoring and air flow regulation for individual area requirements
- Intelligent, internet controlled dampers for fine adjustment of air flow
- Real time data transfer and regulation of VAV dampers to a central monitoring station
- Optimises the performance of an MVHR unit and reduces the ongoing operating costs of your ventilation system
- Allows users to control the system through smartphone and PC
- Helps analyse ventilation and heating energy costs by zone
- Doesn't require a BMS system



Example system
Duplexvent commercial MVHR unit with Web control

COMMERCIAL MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR)



Duplexvent Multi eco



DUPLEXVENT®



- 11 unit range with a flow rate up to 3000 l/sec (10800 m³/hr) at 200 Pa
- Up to 93% thermal efficiency
- Low energy Electrically Commutated (EC) fans
- Side entry, Top Entry (Multi eco-V) and Outdoor (Multi eco-Roof) versions available
- 100% adjustable digital controller with internet, VAV and BMS connection
- Can be fitted with G4, M5 or F7 air filters
- Complies with BREEAM, Building Regulations and ErP
- 2 year warranty*



Duplexvent Rotary



DUPLEXVENT®



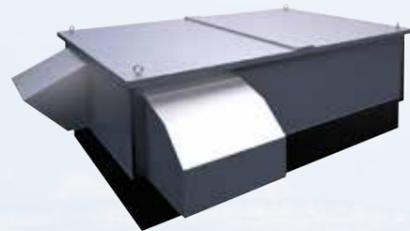
- 7 indoor unit range with flow rate up to 4444 l/sec (16000 m³/hr) at 200 Pa
- Highly efficient rotary wheel heat exchanger with up to 85% thermal efficiency
- Low energy Electrically Commutated (EC) fans
- 100% adjustable digital controller with internet, VAV and BMS connectivity
- Can be fitted with G4, M5 or F7 air filters
- Complies with BREEAM and ErP
- 2 year warranty*



Duplexvent Multi Roof



DUPLEXVENT®



- 8 unit range for rooftop installation
- Unique, concealed duct connections
- Flow rate up to 3472 l/sec (12500 m³/hr) at 200 Pa
- Up to 93% thermal efficiency
- Low energy Electrically Commutated (EC) fans
- 100% adjustable digital controller with internet, VAV and BMS connection
- Can be fitted with G4, M5 and F7 air filters
- Complies with BREEAM, Building Regulations and ErP
- 2 year warranty*



Duplexvent Rotary Roof



DUPLEXVENT®



- 7 outdoor unit range with a flow rate up to 4000 l/sec (14400 m³/hr) at 200 Pa
- Highly efficient rotary wheel heat exchanger with up to 85% thermal efficiency
- Low energy Electrically Commutated (EC) fans
- 100% adjustable digital controller with internet, VAV and BMS connection
- Can be fitted with G4, M5 or F7 air filters
- Complies with BREEAM and ErP
- 2 year warranty*



*excludes motors. Motor warranty one year from date of purchase.



CEILING MOUNTED HEAT RECOVERY UNIT



Susurro 400 / 700 / 1000

Susurro™



- 3 unit single room decentralised heat recovery ventilation range with a flow rate up to 404 l/sec (1456 m³/hr)
- Perfect for classrooms, meeting rooms and waiting rooms
- Up to 90% heat recovery efficiency
- Low energy Electrically Commutated (EC) fans
- Low noise level just 35 dB(A) at nominal air flow make it ideal for office and classroom use
- Automatic 100% bypass, built-in CO₂ sensor
- Slim design with low installation height for efficient space usage
- 3 year warranty*



Touch control
Stepless fans (0-10V)
Stepless afterheating (internal electrical)
Stepless automatic regulation of preheating
Integrated timer (daily, weekly)
Optional connection of sensors: CO ₂ , RH, VOC (0-10)
Stepless Bypass (temperature control: free-cooling, antifreeze protection)
Offset fan adjustment (over-pressure and under-pressure)
Indication of filter clogging
CAV or DCV ventilation mode
BOOST function - intensive air flow at maximum power for a set period
Freecooling functions - night ventilation (cooling)
Occupancy function - reducing ventilation according to the PIR sensor
BMS - connection via Modbus RTU

*excludes motors. Motor warranty one year from date of purchase.

INDUSTRIAL FANS



Industrial Centrifugal Fans



- Extensive range of centrifugal blowers for industrial OEM applications
- Available as compact, single inlet, double inlet and duplex fans
- Flow rate up to 1200 l/sec (4320 m³/hr)
- Available with Electrically Commutated (EC) motors
- Excellent air flow/pressure capabilities
- Ecodesign, ErP compliant
- 1 year warranty*



CO₂ Boiler Flue Dilution



- 5 unit range available in standard and stainless steel models
- Flow rate up to 1750 l/sec (6300 m³/hr)
- Integral differential pressure switch for boiler shut off
- Discharges CO₂ safely at 1% at outlet
- High levels of corrosion resistance for use with condensation boilers
- For gas boiler input ratings up to 650kW
- Replaces unsightly flue stacks
- Ecodesign, ErP compliant
- 1 year warranty*



*excludes motors. Motor warranty one year from date of purchase.

AIRFLEX PRO SEMI-RIGID DUCTING



Airflex Pro - Oval and Round



- Zero leakage ensures highest system performance
- Unique design saves 70% on installation time
- Interchangeable ducting system (75mm round / 51mm x 114mm oval) without any hydraulic pressure loss
- Compact design, suits narrow joists and low ceiling voids
- Ducting crushability of 13 kN/m² which enables ducting to be encased in up to two metres thick concrete
- Smooth bore with anti-static and anti-bacterial lining
- SAP eligible ducting (non-jointed)



Airflex Interchangeable System



MIX AND MATCH SEMI-RIGID DUCTING

Airflex Pro round and Airflex Pro oval have the same hydraulic pressure and can be used in the same ducting system without any loss of performance.

AIRFLEX RETRO DUCTING



Airflex Retro



- Ideal for social housing, new build and renovation projects
- Made of highly compressed style, closed cell EPS
- Available in basic and stucco profiles
- Negates the need for suspended ceiling to hide ducting system
- Suitable for MVHR, MEV and intermittent fan systems
- Can be painted to suit inside décor of dwelling
- Maximum temperature 70°C
- Fire Protection Class B1 (DIN 4102-1), B-s1 d0/C-s1 d0 (EN 13501-1), Class 0/Class 1 (BS 476-6/7)



Airflex Retro Easy Installation



DUCTING INSTALLATION TRAINING

So you can get the best performance out of our products, Airflow offers training on how to correctly install and commission all of our products at our Air Academy Training Facility, including Airflex Pro and Airflex Retro.

Contact Airflow on +44 (0) 1494 525252 to book your visit



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