Ventilation Solutions

FOR THE AIR WE BREATHE

airflow.com
Why we need to ventilate

**Concept of Extract Ventilation**

In order to extract air from a wetroom using an extractor fan – toilet, en-suite, bathroom, utility room or kitchen, there needs to be a supply of air into that room. This normally takes the form of opening windows, trickle vents at the top of windows, undercutting of internal doors or air grilles in the case of rooms with no windows. One cannot extract air from a wetroom if there is not a sufficient supply of air into that room.

**AIRTIGHT HOMES**

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

Consequently the air inside can become moist, stale and generally stuffy and unpleasant to breathe. As we spend nearly 70% of our time at home we should be looking after our indoor air quality and environment.

**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 to creating a carbon friendly environment.

**MOULD**

Unchecked levels of moisture (condensation) and relative humidity combined with a suitable organic breeding place such as wood, carpet, wallpaper etc., will inevitably lead to mould growth. Mildew forms in wall cavities and crevices and microscopic mould spores can be inhaled by humans triggering asthma, allergies and skin disorders so extraction of moist air is important when it occurs.

**TOXIC GASES**

A variety of noxious and toxic gases can collect within a dwelling if 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 do not really stop and consider the constant level of sound we are subjected to on a daily basis, but noise is ever present. Often it is subliminal but never the less always present around us, affecting our nervous system and in extreme cases our well being.

Specifying quieter running ventilation products and radial design duct work that does not transmit noise between rooms contributes to a lower noise indoor environment. We have worked hard to reduce the noise levels on our fans without affecting performance. The QuietMark is proof of our continuing efforts in this area.
"A revolution in fan design. You have never seen a fan like it or installed a fan like it either"

**iCON® 15**

iCON 15 is ideal for toilets, en-suite, shower rooms and bathrooms. Recessed into the wall or ceiling, it is stylish and unobtrusive, even in the smallest space.

**iCON® 30**

iCON 30 is quiet, powerful and designed for recessed or surface mounting in walls or ceilings in larger toilets, bathrooms and utility rooms.

**iCON® 60**

iCON 60 is the largest fan in the range, suitable for recessed or surface mounting in walls or ceilings and is highly efficient in domestic kitchens, changing areas and residents’ lounges.

iCON 15 and 30 are also available in Safety Extra Low Voltage versions (SELV). These low energy fans are ideal for extra protection in all wet zones.

The optional plug-in modules will give additional functionality to your iCON (please refer to pages 26-27 for details).

**IT'S LOOKS AREN'T EVERYTHING**

For a sleek and stylish addition to any home, why not choose an extractor fan from the iCON range. The unique iCON iris shutter opens and closes silently offering near silent operation whilst also preventing backdraughts from the outside. iCON’s revolutionary design ensures effective ventilation for various applications that are quiet and use minimal energy. There are also Safety Extra Low Voltage versions available providing extra safety and peace of mind in the home. The design includes iCON’s plug-in module concept which allows you to create a fan to suit your specific needs. The round design of iCON means fitting is really simple in the wall or ceiling and they are suitable to install in any room large or small. There is no other fan like an iCON fan.

**THE STYLISH FACE OF VENTILATION**

For a sleek and stylish addition to any home, why not choose an extractor fan from the iCON range. The unique iCON iris shutter opens and closes silently offering near silent operation whilst also preventing backdraughts from the outside. iCON’s revolutionary design ensures effective ventilation for various applications that are quiet and use minimal energy. There are also Safety Extra Low Voltage versions available providing extra safety and peace of mind in the home. The design includes iCON’s plug-in module concept which allows you to create a fan to suit your specific needs. The round design of iCON means fitting is really simple in the wall or ceiling and they are suitable to install in any room large or small. There is no other fan like an iCON fan.
The circular design means no squaring up is required, adding to the already simple installation procedure. iCON’s are designed to provide ventilation levels that comply with the latest Building Regulations. The iCON fan is an efficient stylish and unique ventilation solution for the modern home. The shutter design makes switching on and off almost silent and helps reduce external noise ingress.

The slim profile and iris shutter of the iCON makes it a fan which will blend discreetly into any setting.
PLUG-IN MODULES

Modular versatility and simplicity.
Select the fan, iCON 15, iCON 30, iCON 60 and add the plug-in module.

Any plug-in module fits any fan.*

*subject to voltage

The module concept which is unique to iCON, gives one the option of determining how you wish to control your fan and based on your requirement select the appropriate module. Airflow has invested extensively in the research and development of our modules to bring our customers the most versatile controllability available in the extractor fan market. Our extensive range of control functions has helped the iCON product range become the leading brand it is today.

Plug-in modules are quick and easy to fit.

Choose the function
Select the plug-in module
It’s iCON simple

COVERS

Adding colour and style to your home with a coloured iCON cover

To complement the décor of your home, we also offer the flexibility to upgrade the standard white cover to Anthracite, Sandstone, Silver or Chrome (**iCON 15 only). This is perfect for customers looking for a fan that blends seamlessly into the surroundings adding colour and co-ordination to any toilet, en-suite, bathroom, utility room or kitchen at a surprisingly low cost.

The covers are simple to fit and can be easily cleaned by simply wiping over with a damp cloth.
QuietAir

HUSH...
IT'S GOOD WHEN THEY ARE QUIET...

UNIQUE FEATURES
QuietAir is a range of elegant, discreet axial fans that are extremely quiet with various control options that activate the fan only when needed. These 2 speed fans can be controlled by remote switching, timer, humidity timer and motion sensor with timer. The second speed can be activated via an optional remote switch. By using exceptionally low energy this helps to reduce carbon emissions and also save on your energy bills.

THE WHISPER QUIET FAN

QuietAir QT100
Toilet, bathroom and en-suite
The QuietAir 100 is the quietest fan available complying with the latest Building Regulations Installed Performance requirements, when ducted. The QuietAir 100 carries the Quiet Mark accreditation.

QuietAir QT120
Toilet, bathroom, utility room and kitchen (adjacent to hob)
The more powerful performing QuietAir 120 is designed for larger wet rooms to provide extraction levels that exceed the requirements of the latest Building Regulations. The QuietAir 120 has recently been awarded the Quiet Mark accreditation for the kitchen category.

QuietAir QT150
Kitchen
The powerhouse of the range – the QuietAir 150 is ideal for kitchens and larger rooms whilst still achieving a low noise level for its size of only 35dB(A). Variable speed control is available for quick and easy adjustment of the flow rate.

The fans are available with the following functionality options - please refer to pages 26-27 for details

BASIC TIMER HUMIDITY MOTION SENSOR TIMER TWO SPEED 2 MINS START ROOM REFRESH
INTELLIGENT HUMIDITY

Airflow’s intelligent humidity sensor offers the additional feature of being able to recognize a rapid increase in humidity and activates the boost speed before the pre-set value is reached so that preventive ventilation commences. Should this occur, the fan switches off when the humidity level drops to within 10% of the set-point. The benefits of this are that energy consumption is kept to a minimum and noise levels are reduced whilst ensuring optimum ventilation is achieved.
From an excellent pedigree of fans for over 40 years comes the next generation of fans – LOOVENT eco. A powerful, discreetly styled centrifugal fan in a modular design for ease of installation and maintenance to ensure effective ventilation with minimal noise level and energy efficiency in mind.

It is exceptionally quiet with various “on-demand” control options that only activate the fan when needed - timer, humidity timer and motion sensor with timer. The low energy motor helps reduce carbon emissions and saves on energy bills.

The LOOVENT eco is truly versatile in that it can be surface or recessed mounted into the wall or ceiling and fitted in either the portrait or landscape position.

The LOOVENT eco is ideal for use where longer duct runs are required as it does not lose pressure over the length of the duct run.

LOOVENT eco is also available in Safety Extra Low Voltage versions (SELV). These low energy forms are ideal for extra protection in all wet zones.
Aura Smart
INTELLIGENT VENTILATION

The Aura Smart is an innovative low energy axial fan with a unique design for ease of installation and maintenance. The fan is extra slim and with optional colour covers available, it will blend perfectly into the décor of any room.

This smart fan is available with either humidity timer control or motion sensor humidity timer control giving the user the benefit of achieving the perfect micro climate within their home. Aura Smart has a one-touch control panel beneath the cover for control of the fan. A separate remote controller is also included for convenient control of all the functions – it’s a Smart Fan!

Interval ventilation occurs automatically every 15 hours for a period of 2 hours - this ensures regular movement of the air and keeps the room fresh at all times.

COVERS

optional colours

CHAMPAGNE

MARBLE

SILVER

RED

MAUVE

GRAPHITE

BLACK

THE PERFECT MICROCLIMATE
Maxivent eco
POWERFUL UTILITY/KITCHEN VENTILATION

This is a range of very reliable axial fans that meet the current Building Regulations. They offer quiet powerful performance and with their auto shutter mechanism they will blend seamlessly into the décor of your home.

They are available with pull cord, timer or humidity timer versions.

Supervent
BESPOKE KITCHEN VENTILATION

Supervent fans are powerful centrifugal fans specifically designed for use in the kitchen. They are fitted with a washable built in grease filter protecting the motor from the effects of grease generated from cooking.

They are available with basic switching control, timer or humidity pull cord versions.
The Aventa range provides compact, quiet and powerful remote mounted ventilation for ducted installations.

Available in high performance, two speed versions they are less bulky than larger in-line centrifugal fans and can be installed in loft spaces or service shafts for remote extraction.

Aventa fans are available with basic remote switching or timer controls.

We also offer shower kits that include the fan, flexible ducting, cable ties, extract valves including (optional LED light fittings) and an external grille. Everything you need to fit your new Aventa fan in your home. The light fittings are perfect for installation above the shower cubicle creating a more user friendly environment for your shower.
## Accessories

FOR USE WITH YOUR FAN

### 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.

#### CAVITY WALL KIT
- **Part No.** 72643201
- **Dimensions** ø100mm Rigid duct T
- **Part No.** 72643203
- **Dimensions** ø150mm Rigid duct T
- **Part No.** 72643202
- **Dimensions** ø100mm Rigid duct W
- **Part No.** 72643204
- **Dimensions** ø150mm Rigid duct W

#### FLEXIBLE WALL KIT - WHITE
- **Part No.** 72643602
- **Dimensions** ø100mm 3m Ducting
- **Part No.** 90000438
- **Dimensions** ø125mm 3m Ducting
- **Part No.** 72643604
- **Dimensions** ø150mm 3m Ducting

#### HIGH RISE CAVITY WALL KIT - COWL / RUBBER SEAL
- **Part No.** 9021451
- **Dimensions** ø100mm Rigid duct

#### STAINLESS STEEL EXTERNAL GRILLES
Outside stainless steel grilles for greater weather protection suitable where a greater aesthetic appeal is necessary.

#### ROUND COWL WITH LOUVERS
- **Part No.** 52644501
  - **Dimensions** ø100mm
- **Part No.** 9041226
  - **Dimensions** ø125mm
- **Part No.** 52644601
  - **Dimensions** ø150mm

#### ROUND COWL WITH MESH
- **Part No.** 52644701
  - **Dimensions** ø100mm
- **Part No.** 9041228
  - **Dimensions** ø125mm
- **Part No.** 52644801
  - **Dimensions** ø150mm

#### COWL WITH GRAVITY FLAP
- **Part No.** 9041230
  - **Dimensions** ø100mm
- **Part No.** 9041231
  - **Dimensions** ø125mm
- **Part No.** 9041232
  - **Dimensions** ø150mm

#### REMOTE SWITCHES
For use on certain Airflow Fans

#### VARIABLE SPEED FAN CONTROLLER
- **Part No.** 9041033
  - **Dimensions** Maxivent / Supervent iCON 60
- **Part No.** 9041569
  - **Dimensions** QuietAir QT150 VS

#### BOOST SWITCH (1 WAY)
- **Part No.** 90000228
  - **Dimensions** Universal

### What fan where?

#### SELECTION GUIDE

#### FAN TYPE
- **iCON 15**
- **iCON 15 SELV**
- **iCON 30**
- **iCON 30 SELV**
- **iCON 60**
- **QuietAir QT 100**
- **QuietAir QT 120**
- **QuietAir QT 150**
- **LOOVENT eco**
- **Maxivent eco**
- **Supervent**
- **Aura Smart**
- **Aventa In-Line**

#### TOILET
- Above fixed shower in Zone 1 or 2
- Outside Zones

#### EN-SUITE / BATHROOM
- Zone 1 or 2
- Outside Zones

#### UTILITY ROOM
- ZONE 1 or 2
- Outside Zones

#### KITCHEN
- ZONE 1 or 2
- (adjacent to hob)

### ZONES OF EN-SUITE / BATHROOM

The 2010 Building Regulations introduced a “Good Practise” installation guide for fan installation, inspecting and commissioning new and existing dwellings. Don’t forget a fan can only extract air if there is air coming in to replace it.

DOMESTIC VENTILATION COMPLIANCE GUIDE

Fans should also be positioned to give an optimum flow of air through the whole room and to avoid pockets of residual air. The location of planned or existing door and window openings must be considered as well as sources of odours, stale air or condensation. Undercutting of doors or grilles will be needed to allow air into the room, particularly with internal rooms which have no windows and tightly sealed doors. Fans should be mounted as high as possible, well away from primary heat sources such as gas water heaters and boilers. To optimise ventilation of a bathroom it may not be beneficial to rely on a window to supply the replacement air. This is subject to the proximity of the fan to the window.

BUYING AN AIRFLOW FAN WITH CONFIDENCE

Airflow has been in the ventilation market in the United Kingdom since 1955. From designing fans and airflow measurement devices, we have grown into an international group renowned for our innovative approach in developing new products and techniques for moving air. We have a team of technical experts on hand to answer all your queries and guide you through the installation of your new Airflow fan.

Please call our dedicated Technical Support Number during office hours Monday to Friday on: 01494 560950

Call: 01494 560800  Visit: airflow.com
Product Codes

1. To order iCON select basic model product code
2. Add product code for plug-in
3. Add coloured cover code if required (white cover supplied with basic fan)

<table>
<thead>
<tr>
<th>SELECT YOUR BASIC ICON FAN</th>
<th>NOW ADD THE OPTIONAL FUNCTIONALITY YOU REQUIRE BY CHOOSING YOUR ICON PLUG-IN</th>
<th>CHOOSE YOUR ICON COLOURED COVER</th>
</tr>
</thead>
<tbody>
<tr>
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To order Aura Smart select one model product code
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<td>QuietAir 120</td>
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<td>QuietAir 150</td>
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To order LooveNT eco select one model product code
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To order Maxivent eco or Supervent select one model product code
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To order Aventa In-line select one model product code
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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.

KEEP UP TO DATE

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

CLICK CALL VISIT

Stockist

Air Flow Solutions

Call: 01494 560800

Visit: airflow.com