RESIDENTIAL FANS

VENTILATION FOR THE HOME

AIRFLOW®

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.

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.

iCON®

UNIQUE, ELEGANT, EFFICIENT

A revolution in fan design

ITS 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 whilst helping to prevent backdraughts from outside. iCON's revolutionary design ensures effective ventilation, which is quiet and uses minimal energy, for various applications. There are also Safety Extra Low Voltage (SELV) versions available to provide extra safety and peace of mind at home. The design includes iCON's plug-in module concept, which allows you to create a fan to suit your specific needs. iCON's round design means fitting in the wall or ceiling is simple, and with three versions, are suitable to install in any room; large or small. There is no other fan like an iCON.

EASY INSTALLATION

The circular design means no squaring up is required, adding to the already simple installation procedure. iCONs 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.

THE STYLISH FACE OF VENTILATION

iCON® 15

iCON 15 is ideal for toilets, en-suite, shower rooms and bathrooms. Stylish and unobtrusive, it can be recessed into the wall or ceiling.

iCON® 30

iCON 30 is ideal for larger toilets, bathrooms and utility rooms. Quiet, powerful and designed for surface mounting or recessed into wall or ceiling.

iCON® 60

iCON 60 is highly efficient in kitchens and larger rooms. The largest fan in the range, suitable for recessed or surface mounting into the wall or ceiling.

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

VERSATILITY

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.

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*

PLUG-IN MODULES

The unique iCON module concept gives you the option to determine how you wish to control your fan.

Our extensive range of control functions have helped the iCON product range become the leading brand it is today. The same module is compatible with all three iCONs - 15, 30 and 60. There are specific 240V modules and different low voltage (SELV) modules. Replacing a module is a lot simpler and cheaper than replacing the entire fan.

Below is a sample of the various functionality options available to enhance your iCON fan.

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

COVERS

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 if you are 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 easy to fit with a simple twist and click. Clean the cover by gently wiping over with a damp cloth.

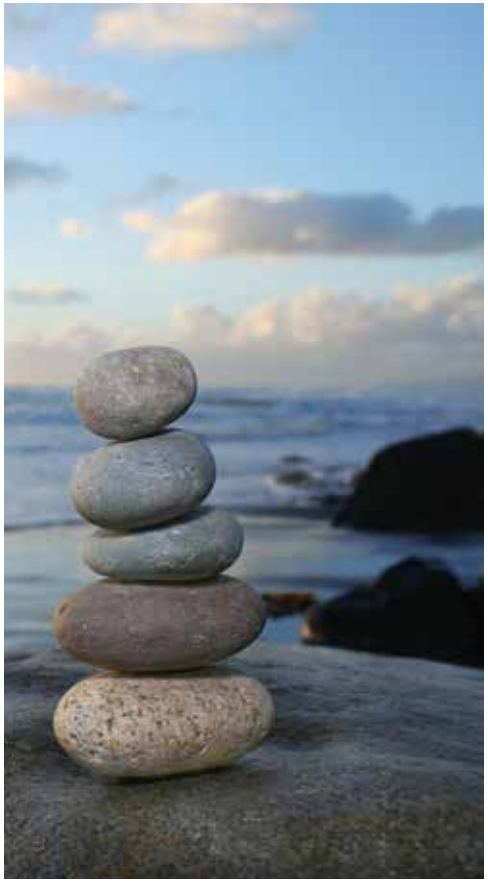
Silver *Chrome*** *Sandstone* *Anthracite*

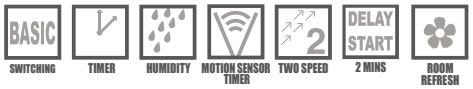
QuietAir™

THE QUIETEST FANS

Beware of imitations+

+ On both speeds, the QuietAir100 unlike other silent fans on the market, complies with current Building Regulations Part F and Part L plus it meets the installed performance requirements when ducted as per the Domestic Ventilation Compliance Guide with class leading energy levels for toilet, bathroom, utility and kitchen extraction.





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

UNIQUE FEATURES

QuietAir is a range of extremely quiet, elegant and discreet axial fans with various integral options that only activate when needed. These two 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, your carbon emissions and energy bills are reduced.

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 on both speeds, 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 been awarded the Quiet Mark accreditation for the kitchen category.

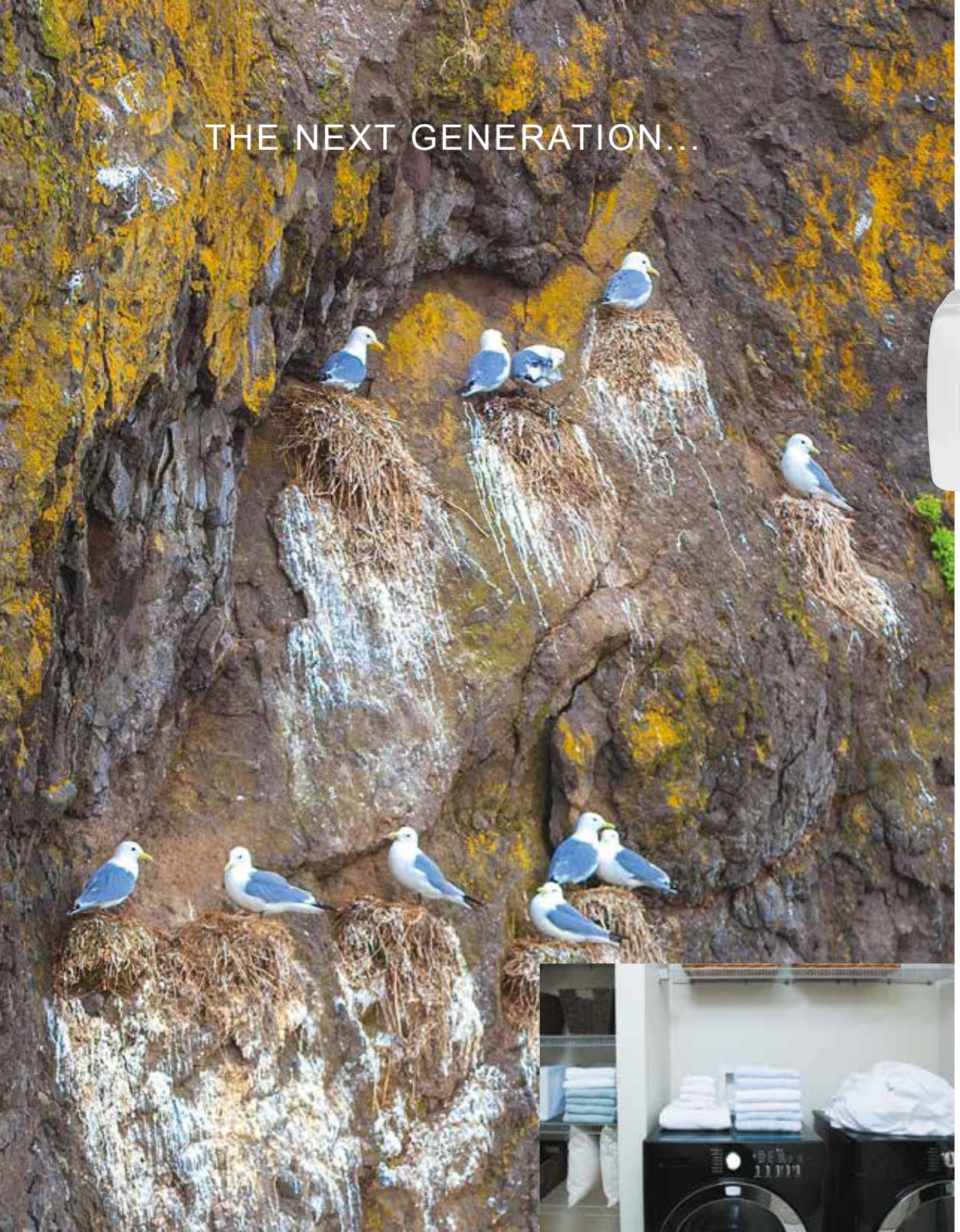
QUIETAIR QT150

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.

INTELLIGENT HUMIDITY

Airflow's intelligent humidity sensor can recognise a rapid increase in humidity and activate the fan's boost speed, so that preventative ventilation can take place, before the pre-set value is reached. The fan switches off when the humidity level drops to within 10% of the set-point. The benefits are that energy consumption is kept to a minimum and noise levels are reduced whilst ensuring optimum ventilation.



LOOVENT

5 YEAR Warranty

PULLCORD | TIMER | HUMIDITY | MOTION SENSOR TIMER | DELAY START 2 MINS | 2 TWO SPEED

From the excellent pedigree of the over 1,000,000 selling LOOVENT fan, comes the next generation - LOOVENT eco. A powerful, discreetly styled centrifugal fan with a modular design, for ease of installation and maintenance, ensures effective ventilation with minimal noise levels and energy efficiency.

Suitable for toilet, bathroom, utility and kitchen (adjacent to the hob) extraction, the LOOVENT eco is ideal for use where longer ducting is required, as it maintains pressure over the length of the duct run.

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

A FAN FOR EVERY ROOM

The LOOVENT eco is truly versatile, as it can be recessed or surface mounted in both portrait or landscape orientation.

SELV

LOOVENT eco has dMEV versions available. Ideal when continuous, two speed ventilation is required. SELV versions are also available.

Maxivent

PULLCORD TIMER HUMIDITY TWO SPEED

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.

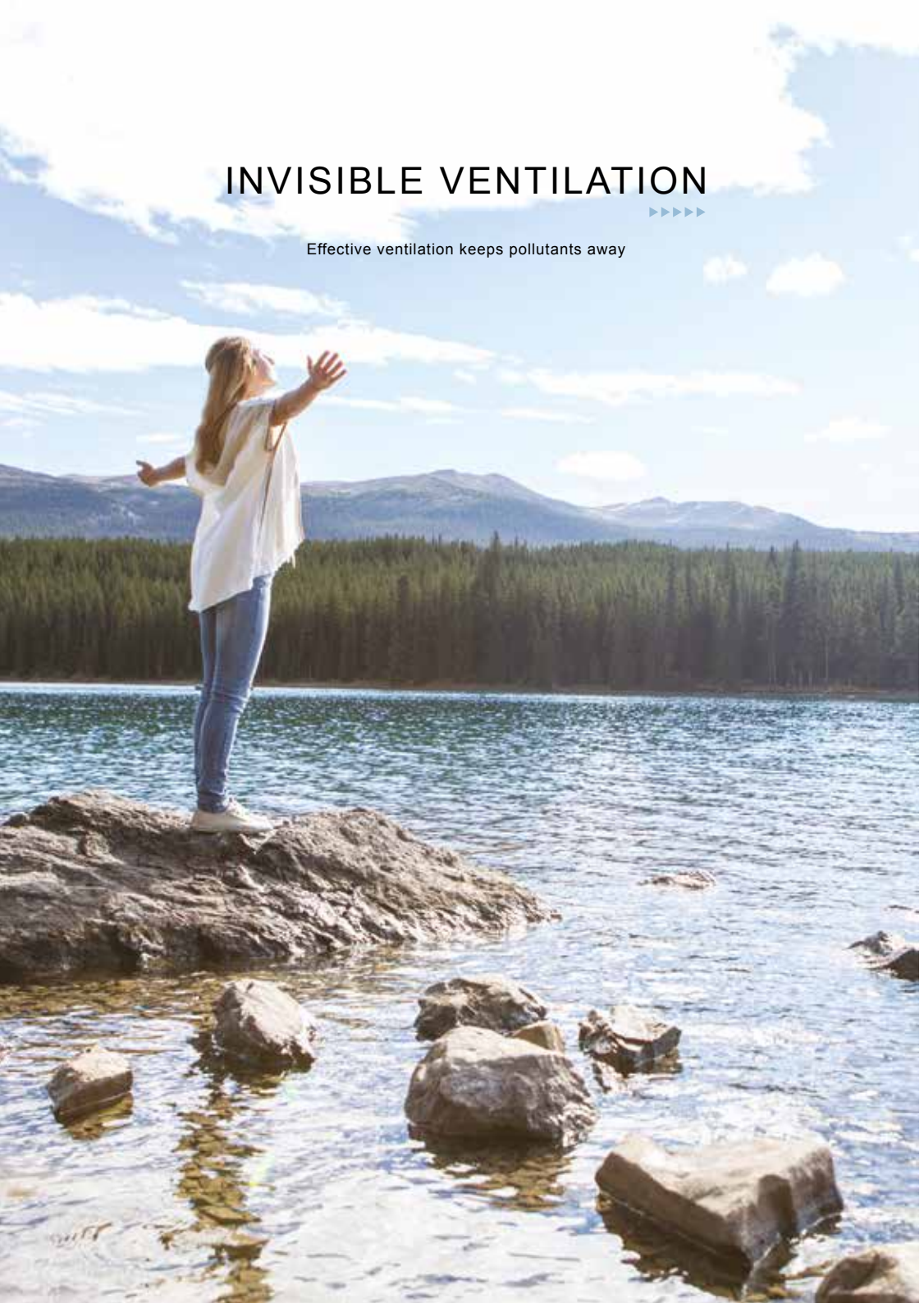
POWERFUL UTILITY / KITCHEN VENTILATION

CONTINUOUS KITCHEN VENTILATION

iCONstant

PULLCORD TIMER HUMIDITY TWO SPEED CONTINUOUS VENTILATION

Based on the highly successful iCON, iCONstant is the quietest dMEV fan available for toilet, bathroom, utility room and kitchen installation. Utilising the very latest motor technology and incorporating advanced features, we have been able to produce an energy efficient fan that will help to eliminate the problems of condensation by continuously extracting the damp air at source.



INVISIBLE VENTILATION

Effective ventilation keeps pollutants away

The Aventa range provides compact, quiet and powerful remote mounted ventilation for ducted installations.

Available in high performance, two speed versions, they are more compact than other in-line mixed flow 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.

Aventa In-Line

3 YEAR Warranty

TIMER TWO SPEED

AVENTA SHOWER KITS

We also offer shower kits that include the fan, flexible ducting, cable ties, extract valve 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 quiet, 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. Various sizes and colours available.

350 mm Cavity Wall Kit

T = Terracotta **W** = White

Part No.	
90001015	ø100mm Rigid Duct **T**
90001016	ø125mm Rigid Duct **T**
90001017	ø150mm Rigid Duct **T**
90001018	ø100mm Rigid Duct **W**
90001019	ø125mm Rigid Duct **W**
90001020	ø150mm Rigid Duct **W**

Flexible Wall kit*

T = Terracotta **W** = White

Part No.	
72643601	ø100mm 3m Ducting **T**
90000437	ø125mm 3m Ducting **T**
72643603	ø150mm 3m Ducting **T**
72643602	ø100mm 3m Ducting **W**
90000438	ø125mm 3m Ducting **W**
72643604	ø150mm 3m Ducting **W**

*Not suitable for kitchen appliances

Kitchen Cooker Hood Kit

W = White

Part No.	
90000988	ø125mm 3m Ducting **W**
90000989	ø150mm 3m Ducting **W**

STAINLESS STEEL EXTERNAL GRILLES

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

Round Cowl with Louvres and Fly Screen

Part No.	
52644501	ø100mm
9041226	ø125mm
52644601	ø150mm

Round Cowl with Mesh

Part No.	
52644701	ø100mm
9041228	ø125mm
52644801	ø150mm

Cowl with Gravity Flap

Part No.	
9041230	ø125mm
9041231	ø150mm

REMOTE SWITCHES

For use with certain Airflow Fans

Low and High speed and off switch

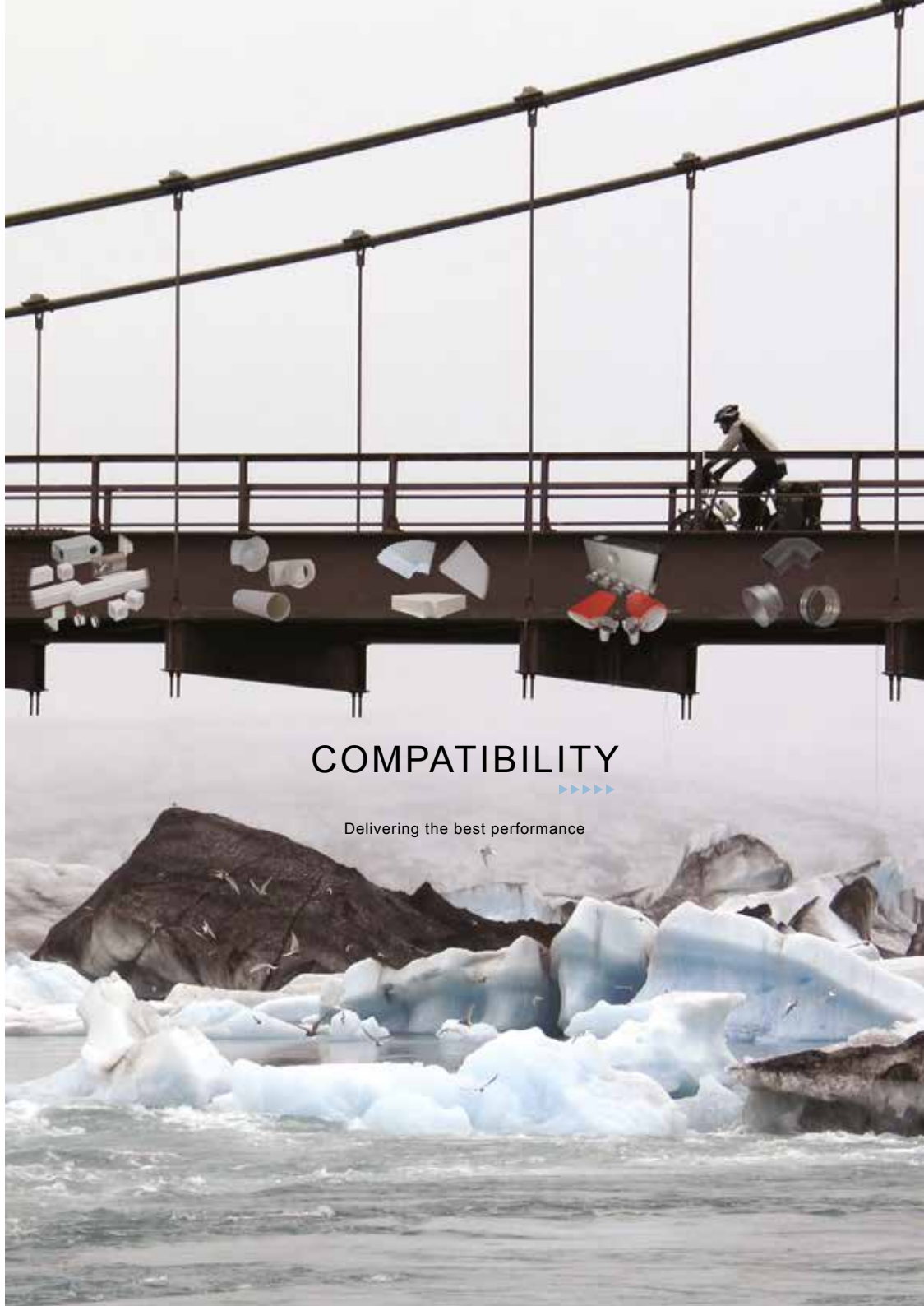
Part No.	
90000541	Three pole

Two position switch

Part No.	
90000544	Single pole

On/off switch

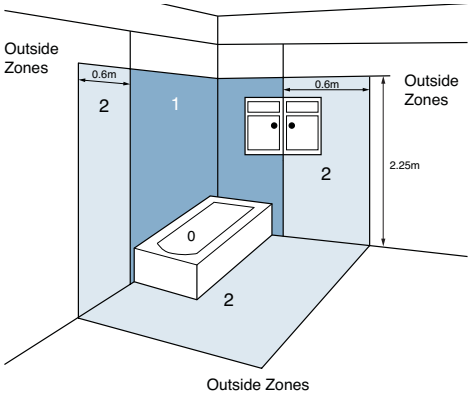
Part No.	
90000540	Single pole

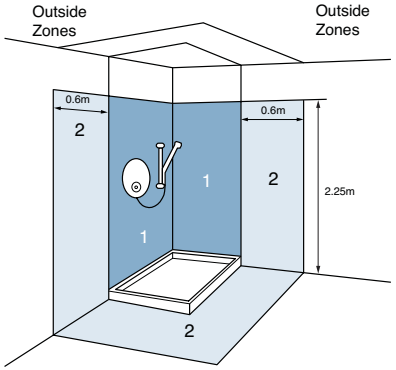


COMPATIBILITY

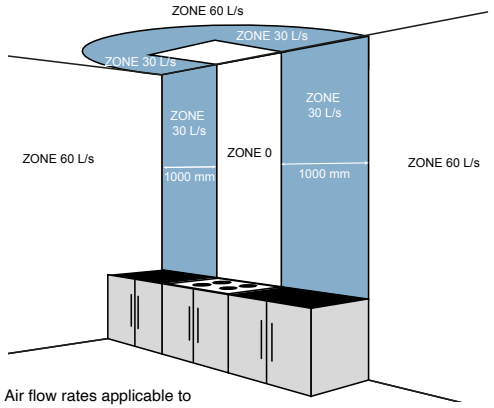
Delivering the best performance

ZONES





NOTE: IPX4 fans can be installed in zone 1 as long as the shower head is fixed and cannot be rotated towards the fan. Otherwise, an IPX5 is required.



Note: Air flow rates applicable to England, Wales and Northern Ireland

WHICH FAN WHERE?

SELECTION GUIDE

FAN TYPE	Toilet	En-Suite / Bathroom	Utility Room	Kitchen
iCON 15	◉	Above fixed shower in Zone 1 or 2 /Outside Zones	—	—
iCON 15 SELV	◉	Zone 1or 2	—	—
iCON 30	—	Above fixed shower in Zone 1 or 2 /Outside Zones	◉	—
iCON 30 SELV	—	Zones 1 or 2	◉	—
iCON 60	—	—	◉	◉
QuietAir QT 100	◉	Zones 1 or 2	—	—
QuietAir QT 120	—	Zones 1 or 2	◉	◉ (adjacent to hob)
QuietAir QT 150	—	—	◉	◉
LOOVENT	◉	Zones 1 or 2	◉	◉ (adjacent to hob)
Maxivent	—	—	◉	◉
iCONstant	◉	Zones 1 or 2	◉	◉
Aventa In-Line	◉	◉	◉	—

Guidance only: Install fans in accordance with IEE wiring regulations 18th edition (BS7671:2018)

INSTALLED PERFORMANCE

It is not sufficient to fit just any fan. It is important that the fan performs efficiently by extracting the minimum flow rate as required by the latest Building Regulations when installed. The number of bends and the length of duct attached to the fan will create resistance to flow that must be overcome to ensure adequate extraction, known as installed performance.

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.

STEP 1

Select your basic model product code

iCON®

	BASIC SWITCHING
BASIC iCON FAN	
iCON 15	72683501
iCON 30	72687257
iCON 60	72591701
iCON 15S ECO	72683701
iCON 30S ECO	72683801

STEP 2

Select how you want to control it

	PULLCORD	PULLCORD TIMER	TIMER	HUMIDITY	MOTION SENSOR TIMER	MOTION SENSOR TIMER HUMIDITY	DELAY START 2 MINS	2 TWO SPEED
BASIC iCON FAN	YOUR iCON PLUG-IN							
iCON 15	72573602		72612601	72687103	72687104	72687102	72675702	72675703
iCON 30	72573602		72612601	72687103	72687104	72687102	72675702	72675703
iCON 60	72573602		72612601	72687103	72687104	72687102	72675702	72675703
iCON 15S ECO	72573603	72574204		72574202	72574203	72574201	72682307	
iCON 30S ECO	72573603	72574204		72574202	72574203	72574201	72682307	

STEP 3

Add coloured cover code if required

(white cover supplied with basic fan)

	Anthracite	Silver	Sandstone	Chrome
				
BASIC iCON FAN	YOUR iCON COLOURED COVER			
iCON 15	52634503	52634504	52634505	52634502
iCON 30	52634506	52634507	52634508	
iCON 60	52634509	52634510	52634511	
iCON 15S ECO	52634503	52634504	52634505	52634502
iCON 30S ECO	52634506	52634507	52634508	

1 STEP

Select one model required

QuietAir

	BASIC SWITCHING	TIMER	HUMIDITY TIMER	MOTION SENSOR TIMER	VS VARIABLE SPEED
SELECT YOUR QUIETAIR FAN					
QuietAir 100	9041259	9041260	9041261	9041262	
QuietAir 120	9041497	9041498	9041499	9041500	
QuietAir 150	90000454	90000455	90000456		90000458

1 STEP

Select one model required

LOOVENT

	TIMER	HUMIDITY TIMER	MOTION SENSOR TIMER
SELECT YOUR LOOVENT FAN			
LOOVENT eco	72684305	72684306	72684307
LOOVENT eco SELV	72684309	72684310	
LOOVENT eco dMEV	72684308	72684311	
LOOVENT eco dMEV SELV	72684312	72684313	

1 STEP

Select one model required

Maxivent

	BASIC SWITCHING	PULLCORD	TIMER	HUMIDITY
SELECT YOUR FAN				
Maxivent eco		72678201	72678301	72678401

1 STEP

Select one model required

iCONstant

	TIMER	HUMIDITY TIMER
SELECT YOUR iCONstant FAN		
iCONstant	72687117	72687118

1 STEP

Select one model required

Aventa In-line

	BASIC SWITCHING	TIMER
SELECT YOUR AVENTA IN-LINE FAN		
Aventa In - Line 100	9041085	9041086
Aventa In - Line 100 Shower Kit		9041407
Aventa In - Line 100 Shower Kit with Light		9041408
Aventa In - Line 125	9041087	9041088
Aventa In - Line 125 Shower Kit		9041406

CLEAN AIR THINKING

Future proof your home with a state-of-the-art, internet controllable ventilation system and provide you and your family with the highest quality, warmed, fresh indoor air

HEALTHY HOMES

According to current predictions, the UK is set to fail to meeting 2020 European air quality targets, with poor air quality becoming a growing problem within the UK. Poor air quality is linked to health issues ranging from shortness of breath and fatigue, to aggravating existing respiratory issues such as asthma. It can also exacerbate more serious ailments such as heart disease and cancer. Over 40,000 premature deaths a year are linked to substandard air quality within the UK.

Poor air quality isn't limited to busy cities and industrial areas. There is a growing trend of poor air quality being found within modern homes. Currently, you are likely to spend up to 90% of your time indoors and numerous studies have found that indoor air can be up to 50% more polluted than outdoor air and can contain over 900 different chemicals.

Volatile Organic Compounds are organic compounds and chemicals that contain carbon along with elements such as oxygen, bromine, fluorine, sulphur, nitrogen, hydrogen or chlorine and are found in all living things. Sometimes referred to as VOCs, these can be emitted from paint, solvents, wood preservatives, aerosol sprays, household cleansers, disinfectants, fabrics and furnishings, air fresheners, scented candles, dry-cleaned clothing and pesticides. They can easily become airborne vapours or gases with particles that can potentially negatively impact your health.

The World Health Organization (WHO) takes the issue so seriously that in 2010 they issued 'Guidelines for indoor air quality: selected pollutants'. The report details WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The guidelines advise public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They also provide a scientific basis for legally enforceable standards around the world.

So why is this happening?

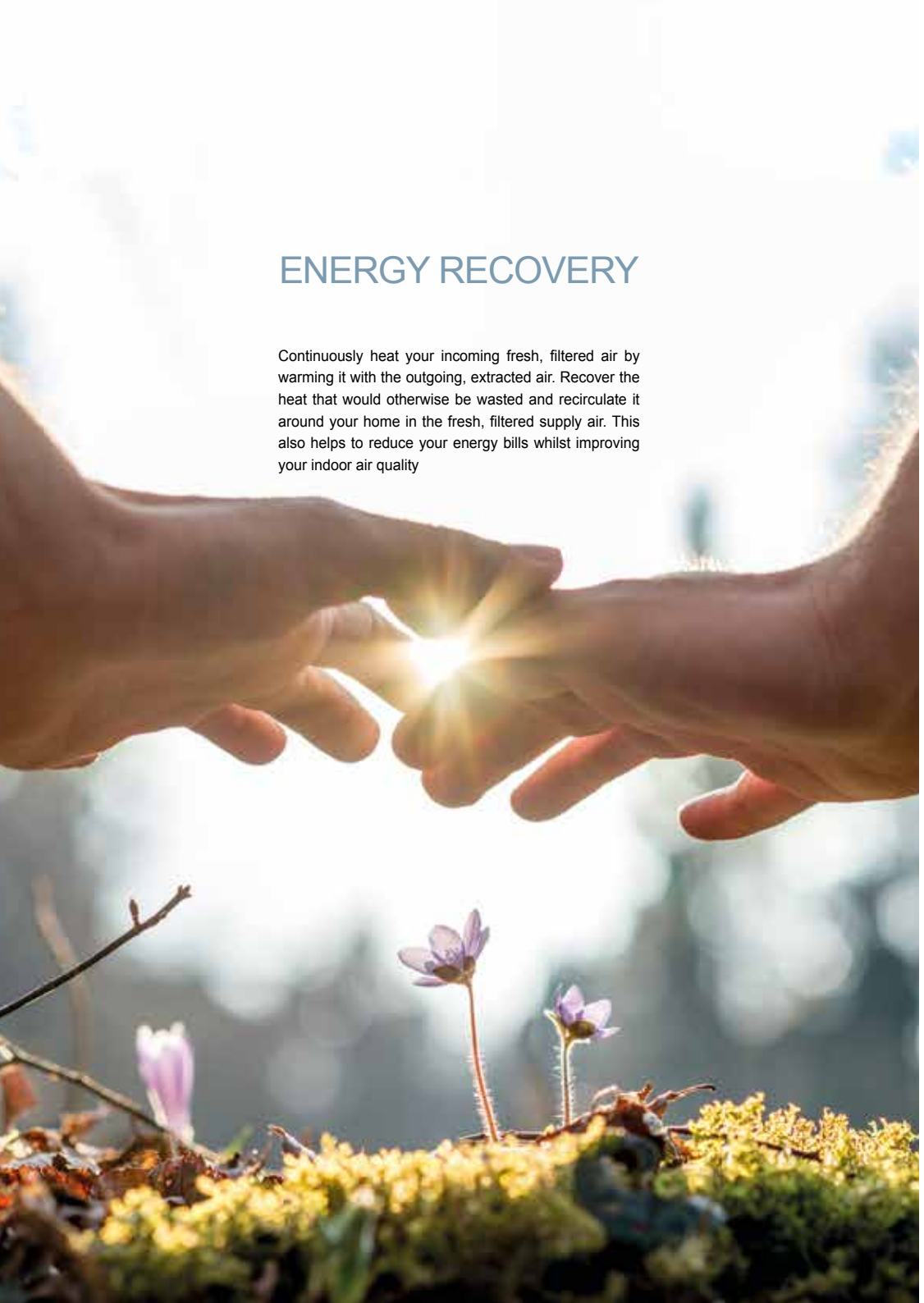
Poor indoor air quality is a result of the drive to improve energy efficiency of homes. The construction of new, modern homes has seen the buildings become increasingly air tight which limits the opportunity for pollutants and moisture to be removed from your home. Air tight homes experience an increase in damp and mould, which is a direct cause in the decline of the health in your home. Effective ventilation guarantees this excess moisture and airborne pollutants are removed from your home; leaving you with a clean and fresh air environment for you and your family.

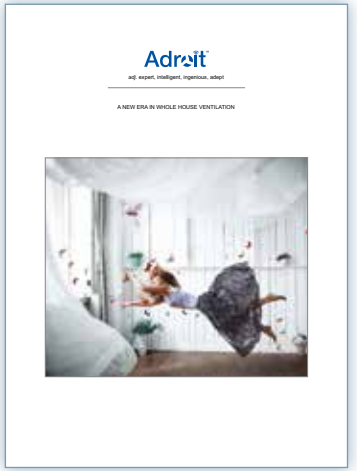
Health experts recommend utilising an energy recovery system to ventilate your home; it is the modern, cost-effective whole house solution that provides an exemplary indoor air environment. Energy recovery is different from conventional extractor fans, as energy recovery units constantly ventilate your property by extracting stale air and replenishing the extracted air with fresh, clean air. Simultaneously energy is recovered from the warm outgoing air extracted from the cloakroom, en-suite, bathroom, utility and kitchen that would otherwise be lost. Used to warm the incoming supply air it helps reduce household energy bills over time. You can successfully install an effective energy recovery system from a small flat to a large detached property.

Your home only deserves the best, which is why we've developed Adroit MVHR units to provide you with unparalleled control so you can tailor your energy recovery system around your everyday life, enabling you to provide your home and family with the superior air quality that they deserve.

ENERGY RECOVERY

Continuously heat your incoming fresh, filtered air by warming it with the outgoing, extracted air. Recover the heat that would otherwise be wasted and recirculate it around your home in the fresh, filtered supply air. This also helps to reduce your energy bills whilst improving your indoor air quality





To learn more request your Adroit brochure @ airflow.com

AIRFLOW CONNECTING

Stay up-to-date with the latest developments and updates affecting your Adroit unit via Airflow's social media channels

CONNECTING INTUITIVELY

Airflow believes in building long-lasting relationships with our customers. These relationships are key in understanding the needs of our customers and help us to improve our products and the services that we offer. One of the main methods Airflow uses to achieve this is through numerous social media channels.

With the world increasingly on-the-go and connected, our social media channels give you the opportunity to keep up-to-date with the latest developments surrounding air pollution and indoor air quality as well as being notified about software updates to your Adroit unit and updates about the rest of the Airflow product range.

Airflow provides regular updates across our channels so that you can keep abreast of the latest legislation changes that could have a knock on effect on you. There will be articles and blog posts shared that help you better understand some of the terminology used within the ventilation industry and also opportunities for you to provide your feedback about how we're doing.

Simply go any of the links below to follow Airflow and keep up-to-date with all things ventilation and air quality.

Hyperlinks:

Twitter	twitter.com/AirflowD
YouTube	youtube.com/c/Airflow_Developments_Limited
Pinterest	pinterest.com/AirflowD/
Instagram	https://www.instagram.com/airflowdevelopmentsltd/
LinkedIn	linkedin.com/company/airflow-developments-ltd
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