VENTI

"Healthier living
by delivering fresh air through
efficient and continuous
mechanical ventilation."

VENTI

To provide Optimal Ventilation for Habitable Spaces

The “WHY”

Ventilation is often regarded only as a tick box to meet regulation. Not all homeowners recognise what contributes to poor indoor air quality, the potential effects and harm, and how to address these problems.

Ventilation is a legal requirement and the lack of it is detrimental to occupant’s health and building.

We want to change the perception that ventilation is optional, to something people recognise the vital requirement for it, that is why we decided to step up and create VENTI®.

Our mission is to improve indoor air quality by delivering effective ventilation solutions that promote healthier and safer living and working environments.

#CleanAirMovement

Our Tagline ‘The Clean Air Movement’ represents our commitment to improve indoor air quality and we will continue to strive for excellence in everything we do to achieve this goal.

The Management Team

We are on a mission to educate and inspire the world to choose proper ventilation, so we become the brand of choice.

We are empowering you to breathe freely - we are dedicated to our belief that everyone should have access to clean and healthy air.

Our purpose is to promote healthier indoor living by delivering fresh air through efficient and continuous mechanical ventilation.

Ashley Woolgar
Managing Director

Loren Jenner
Chief Executive Officer

What we're here to do

#1 Prevent and solve existing damp and mould issues in residential dwellings. To save lives aamd improve health of occupants and buildings.

#2 Bringing fresh air into existing and new residential buildings to provide healthy indoor living conditions through the use of mechanical ventilation.

#3 Provide a superior alternative to trickle vents!

#4 Ventilation with heat recovery is one of the key component of a **low carbon home** as it helps to reduce heat loss and enhances energy efficiency.

#5 To help customers comply with meeting **Part F** of building regulation.

Our Mascot

Lavender

Why Lavender?
It's qualities reflect our own!

Purity

Ventilation in our indoor environment is synonymous with purity of air. Our vents are a perfect ventilation option for every indoor environment, exchanging stale old air for pure fresh air.

Silence

Our VENTI® products are extremely quiet, performing efficiently and quietly to provide you with optimal air with minimal noise.

Devotion

VENTI is indeed devoted to clean air – we are "The Clean Air Movement" and we are committed to provide you with clean, fresh, pure air through our ventilation systems.

Serenity, grace, and calmness

We can't claim to directly provide serenity, grace and calmness, However, our vents provides fresh clean indoor air which has been proven to have direct affect on mental clarity and wellbeing.

Our ventilation system will go a long way in making your environment fresh, providing you clean, filtered air & extracting old, stale air – Clean air is critical, and that's why VENTI® is "The Clean Air Movement."

Purple

Our brand colour, Purple, reflects our mascot - Lavender. Lavenders blooms purple in June.

Did You Know?

The first and most robust ventilation designs are credited to the builders in the insect world.

- Bee colonies use wing power to regulate humidity and airflow in their hives.
- Termites build tall mounds which are highly engineered to use wind-driven ventilation, airflow and thermal mass to maintain comfort and fresh air

3rd Century BC

Romans developed the first underfloor heating known as hypocaust heating system.

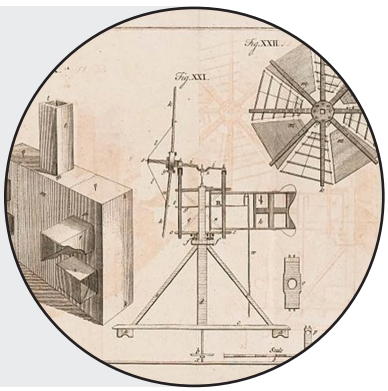
Combining ventilation with combustion made the indoor climate in their villas and spas comfortable.

1631
Year first air quality law was enacted

King Charles I decreed that the ceilings in houses in England must be ten feet or higher and that windows must be higher than their width to allow for natural ventilation.

1931
Electrically-driven mechanical ventilator

The first apartment block to be ventilated using Romedahl's principles was built in 1931 in Stockholm. It was fitted with mechanical ventilation based on electrically-driven extract air fans.



Indoor enviroments are more polluted than outdoor

A study from Clean Air Day and Environmental Protection Agency

2 to 5 times

Indoor enviroment are 2 to 5 times more polluted than outdoor, regardless of whether the homes were located in rural or highly industrial areas

3.5 times worst

Ultrafine particle pollution is 3.5 times worst inside the home than outdoors - and in one case peaked at 560 times higher than outdoors.

What actually is “bad air” and what causes it?

Factors that contribute to poor indoor air quality

Microbiologicals

Fungi and mould spores that grow inside the building.

The concern on mould growth is one of the common reasons why we ventilate our homes. Mould is not just unsightly but can cause structural damage to property and personal belongings.

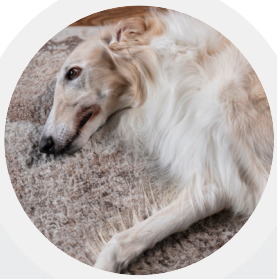
More importantly, moulds spores are harmful to health.

Volatile Organic Compounds

The chemicals and devices we use to improved our life emit gases. These can be cooking, cleaning chemicals, cosmetics and smoking.

Human Bio-effluents

Breathing and sweating can raise humidity level indoors.



Particulate Matter

Dust, dirt, soot pollen and pet dander can contribute to poor indoor air quality.

Radon and Soil Gas

Without proper ventilation Radon can accumulate inside the building.

What does building regulation have to do with Ventilation?

Part O - "Overheating Mitigation"

Part O, officially known as Overheating, is a set of regulations within the UK's Building Regulations that aim to protect the health and welfare of occupants of the building by reducing the occurrence of high indoor temperatures.

This is designed to limit unwanted solar gain especially during summer and provide adequate means of heat removal from indoor environments.

Part L - "Conservation of Fuel and Energy"

In England, Wales and Scotland, as well as the Republic of Ireland, Part L is the section of the building regulations that covers the energy efficiency of buildings. Aim is to reduce fuel and power consumption that buildings use, along with the associated carbon emissions through limiting unwanted heatloss. It covers also the air tightness of the building.

An airtight building is one that is highly draught-proofed. An airtight barrier prevents draughts and discomfort, reduces heat loss and noise infiltration, and stops the movement of moist air from the inside of a building into the structure, where it could cause poor indoor air quality, overheating and mould growth. It is vital that air tightness goes hand in hand with ventilation to avoid build up of stale air and pollutants.

Part F - "Means of Ventilation"

Part F of the UK Building Regulations focuses on ventilation in buildings, aiming to maintain healthy indoor air quality and prevent moisture buildup. This is particularly crucial in modern homes that prioritise energy efficiency and air tightness, which can inadvertently trap indoor pollutants and moisture.

The specification emphasises the importance of background ventilation to prevent condensation and mould growth. This requires adequate ventilation to be installed in wet rooms and habitable spaces to remove moisture and odours.

The government approach to address this issue is by ventilation. This can be achieved through various strategies such as mechanical extraction and ventilation.

Venti makes compliance with regulation simple.

Traditionally, compliance was achieved through passive ventilation through the use of trickle vents. VENTI®, we have a better way.

Why Trickle Vents are flawed

Over the past few decades, considerable advancements have been made in the art of draught-exclusion on external doors and windows. Modern windows are airtight, which is great – in terms of energy efficiency.

Unfortunately, while we don't want draughts to enter our homes, an entirely air-tight interior can lead to moisture excess and poor air quality levels. After all, there's no purpose in having an air-tight window if you can't see out of it because it's covered in condensation!

For this reason, window manufacturers began to build little cold air vents in the frames of their windows, which allow a small amount of air to pass from one side of the window to the other. These are known as trickle vents.

"Between 2006 and 2021 the goverment relaxed the enforcement of trickle vents resulting in very few being fitted.

The government in 2021 recognised ventilation had to be enforced at the same time as achieving air-tightness targets to ensure the health of buildings and its occupants. On the 15th June 2022 it was mandatory for each habitable room to have present some type of ventiliation to reach a set rate of air flow. In most cases, window and door fabricators incorrectly think that the only option is trickle vents."

Trickle vents are flawed and heavily disliked and that's one of the key reasons why VENTI® was born. A vast majority of the population would simple close them for the reasons listed below.

1. Trickle ventilation is essentially a slot shaped hole positioned in the head of a window frame causing drafts
2. An easy exit point for costly heat to escape the home.
3. Source of external noise entering the dwelling.

4. A haven and entry point for insects.
5. An entry point for external air pollutants.
6. Creates an unslighly plastering & decorating detail around the area of the vent.

Please note, if using a PIV system (positive input ventilation) trickle vents are required as they are the air flow exit point for the dwelling. VENTI® do not recommend PIV.

See FLUXO®, ARIA® and RESPIRO® for superior trickle vent alternatives.

Why We Ventilate our Homes?

1. We ventilate our buildings to help prevent occupants from getting sick and provide healthy indoor environment.

   It is also a legal obligation!

2. As we increase the energy efficiency and airtightness of our home, without installing cared ventilation, we are “suffocating” our homes. Airtight homes also need adequate ventilation to avoid indoor air pollution

3. Not all homeowners recognise what contributes to poor indoor air quality, the potential effects and harm, and how to address these problems.

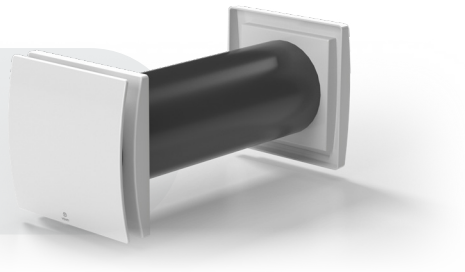
4. The concern about “bad air” (indoor air pollution) and efforts to improve indoor air quality has been around for a millennium. Before there were buildings, humans were ventilating their shelters to improve the quality of their environment.

Our Products

VENTI® can offer a full design service on ventilation systems for your home renovation and new property.

FLUXO®

Decentralised Continuous Mechanical Fresh Air Supply Unit



ARIA®

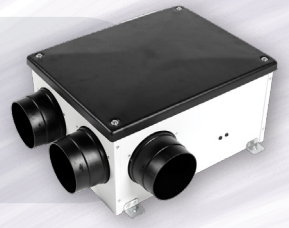
Decentralised Continuous Mechanical Extract Ventilator for Wet Rooms

TRATTO®

Standard Intermittent Extract for wet rooms

UMIDEX®

Centralised Continuous Mechanical Extract Ventilator for Wet Rooms (**MEV**)



FLUXO®

Continuous Mechanical Fresh Air Supply Unit

Decentralised Mechanical Ventilation unit, with alternate flow and heat recovery core. For installation in single room such as living room and bedroom. Improving living conditions by supplying fresh air into habitable dwellings and alternately extract stale air. Suitable for any level of airtightness in a building.

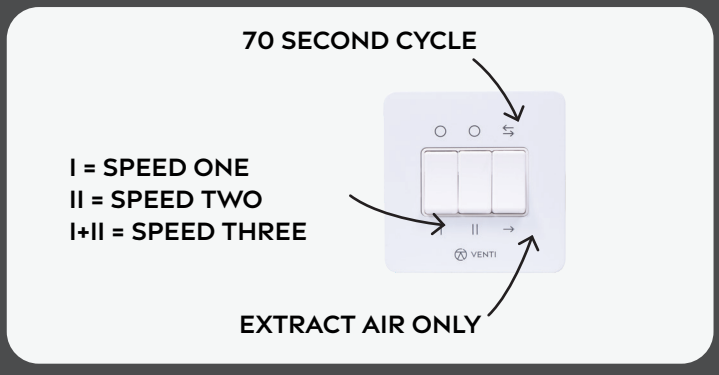
For a better flow balancing, two units are commonly used in parallel operation, having opposite and synchronised flows.

Like you, we breathe to live! We believe the most effective way to ventilate a room is through continuous, alternating air movement and for that we have introduced the Fluxo.

The alternative and better option to Trickle Vents!

Optional Switch Controller

Units can be pre-programmed during installation or optional user controller can be used to operate up to 10 units.



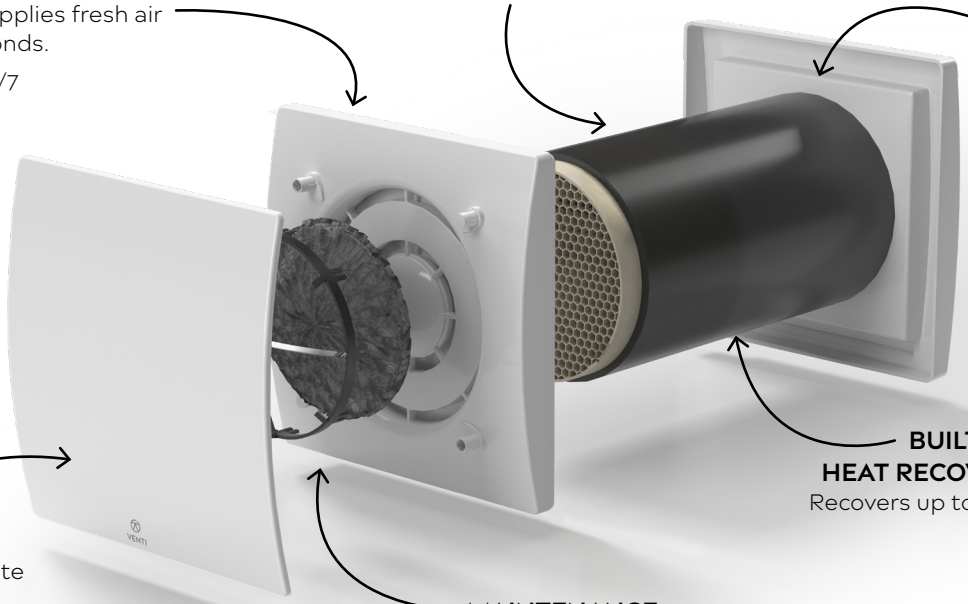
Installation Advice:

- To be installed as high as practically possible but no more than 400mm down from the ceiling. The unit needs to be accessible to enable maintenance.
- Best practice is to install units in pairs to optimise the balance of air. This best practice is not required to meet Part F regulation.

FLUXO® by VENTI

FAN POWERED BY BRUSHLESS MOTOR
Extracts stale air for 70 seconds, then reverses and supplies fresh air for 70 seconds.
Runs 24/7

INSTALLATION
A 100mm core through the wall with standard power supply



BUILT-IN INSECT NET

BUILT-IN HEAT RECOVERY UNIT
Recovers up to 82% of heat

SUBTLE DESIGN
Removable cover plate

MAINTENANCE
Removable and washable filter

QUALITY
This product is fully manufactured in Europe using high quality components.
5 year warranty.

COST TO RUN
On average, this unit cost £5 per unit to run per year.

NOISE LEVEL
Very quiet running - from 10db.

Features and Benefits

Alternate flow - supplies fresh air in then extracts the stale air for 70 seconds. The 70 second cycle runs continuous 24/7.

Multiple modes of operation allow users complete control. Optional switch operation can to be set to extract only.

The unique impeller design features winglets that provide increased efficiency with minimal noise disruption.

Extremely low energy consumption.

Stylish & modern fascia which is easily removed for cleaning without the need for tools.

ARIA®

Decentralised Mechanical Continuous Extract Unit for Wet Rooms - VENTI ARIA dMEV HT

A discreet quiet continuous-running decentralised mechanical extract ventilator with constant volume and low consumption. Ideal for installations in bathrooms, toilets, kitchens and utility rooms.

The unit runs continuously at the selected minimum speed and automatically increases to an intermediate speed if either the built-in humidistat or run-on timer is activated. A better choice over conventional intermittent extract fans to ensure prevention of damp issues.

Feature and Benefits

Continuous running with boost flow when needed.

Intelligent humidity control increases ventilation only in response to actual variations in humidity.

Intelligent run-on timer adapts the fan operation to the users' habits.

Very low power consumption: the EC motor is optimised for continuous running.

The unique impeller design features winglets that provide low noise and increased efficiency.

Stylish & modern fascia which is easily removed for cleaning without the need for tools.

- In normal mode the fan will draw air out of the room on trickle speed.
- If the humidity rises above the pre-set level the fan will then boost until the humidity drops, then it will return to trickle speed. Also includes run-on timer settings and a manual switch activation for boost mode.
- The benefit of this unit over a conventional intermittent extract fan is that moisture in the room is continuously drawn out. On average, a standard extract fan will shut off after 15 minutes, but in reality a shower tray, for example, takes over 90 minutes to dry.

TRATTO®

Standard Intermittent Extract

A stylish, contemporary intermittent extractor fan.Perfect for wall, ceiling or window* mounting, extracting directly outside or through short length ducting.

It is constructed from high-quality ABS that provides a long-lasting shock-proof and robust construction while being UV resistant. The unique design winglet-type impeller provides enhanced aerodynamic properties resulting in low noise and increased efficiency.

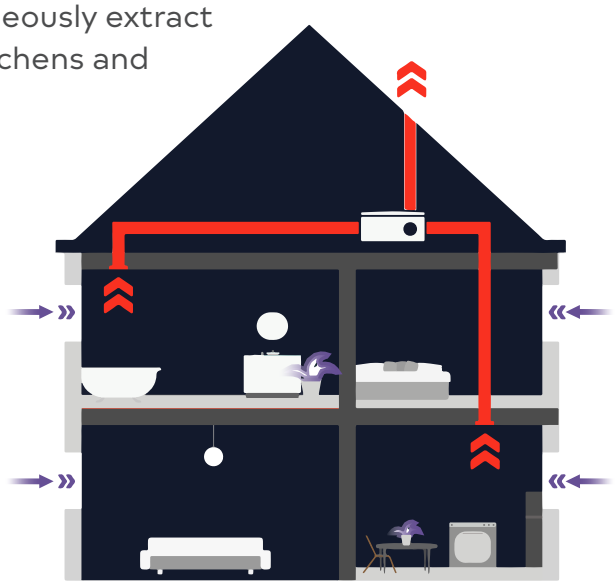
Feature and Benefits

- Suitable for continuous and intermittent running.
- Integral back-draught shutter prevents airflow from returning into the room when fan is off.
- Models available with adjustable run-on timer and humidity sensor.
- The unique impeller design features winglets that provide low noise and increased efficiency.
- Low power consumption; 100mm model consumes less than 8 watts of operating power.
- Stylish & modern fascia which is easily removed for cleaning without the need for tools.

UMIDEX®

Centralised Continuous mechanical extract ventilator for wet rooms (MEV)

A continuous running centralised MEV that simultaneously extract condensation from wet rooms and stale air from kitchens and utility rooms.



Suitable for wall, ceiling and floor installation, for horizontal or vertical mounting. Designed to be connected to self-adjusting extracts

The unit is equipped with an integral humidity sensor. When the humidity threshold is reached, the fan speed is increased by 15%. When the humidity level returns below the threshold, the fan continues to run at increased speed for a pre-set period of time.

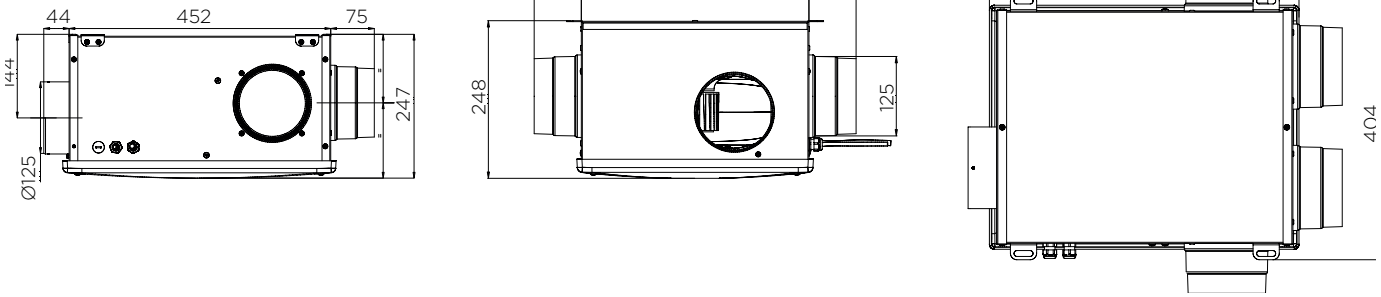
Feature and Benefits

- Continuous running with boost flow when needed.
- Built-in humidity sensors automatically boosts fan speed when needed.
- Adjustable speed and humidity set point.
- Multiple modes of operation allow users complete control.
- Low noise operation due to installation being away from internal grilles.
- EC brushless motors significantly reduce electricity consumption.

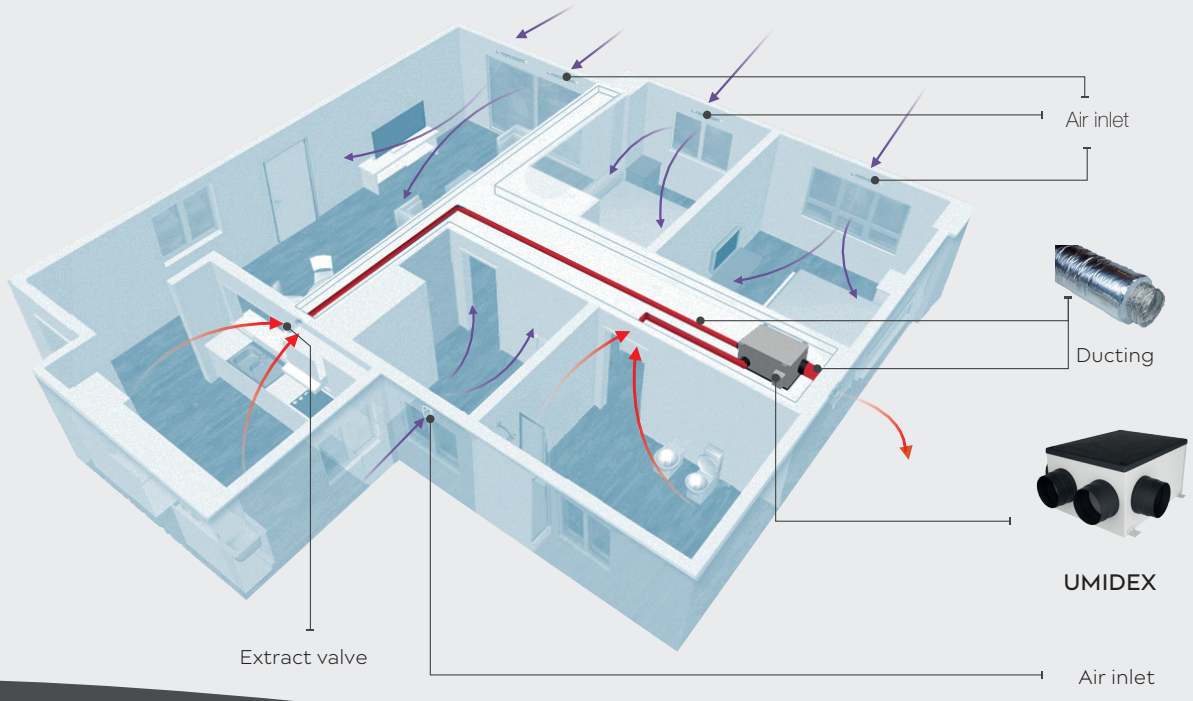
Performance Data Dimensions

- **Airflow L/s (m3/h)@100pa:** 63.8(230)
- **Power W:** 36
- **Sound Pressure dB(A) @ 3m:** 14
- **Volts:** 220-240
- **Hertz:** 50/60
- **Max Ambient Temperature:** 40°C
- **Degree of Protection:** IPX2

MVHR - Technical Dimensions



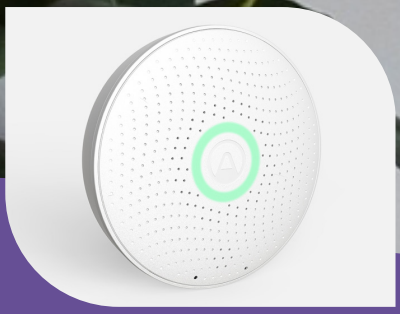
Example of Complete Ventilation System for UMIDEX



Note: An air inlet or supply air is needed when using using this system.

Air Quality Monitoring

Monitor CO_2, Humidity & Temperature levels in your home or workplace.



Bluetooth-enabled, smart monitor with 6 sensors measuring radon, CO2, VOCs and more.

Radon & air quality monitor with 7 sensors including radon, PM 2.5, CO2, and more - WiFi connected and cable-free.

Accessories

Sound Attenuation

Grilles

Filters

Switches

For more information, visit venti-group.com

Case Study | Gover Road –Cornwall

Dwelling Type – Residential Bungalow
Room Type – Regular sized bedroom

Will of Gover Road experienced the impact of poor air quality in his home which led to the common issue of damp and mould. Will confirmed there was at least a 90% reduction in the amount of mould that occurred in the damper months of the year.

Below are the key highlights of this case study.

Scan QR
To watch the
full video

Asthma & Humidity Level

Will's partner suffers with Asthma which meant she avoided entering the room as it caused breathing difficulties. After installing the FLUXO unit she can now run her part time beautician business from this room. To carry out beautician work specialising in eye lashes & nails, the room needs to be at 40% humidity. The FLUXO unit has brought humidity down to 40% from 60% and even higher on some occasions.

The Impact of Mould

In addition to the health issues that Will's partner experienced, they also lived with the issue of constant mould on clothes. The FLUXO unit has 100% eradicated this issue thanks to the forced movement of air the FLUXO unit provides.

Easy to operate and clean Filter

The FLUXO unit is controlled with a simple switch with three speed options and two airflow direction options. In normal conditions the unit can be left to run on speed two on the alternating mode which brings fresh air in for 70 seconds followed by 70 seconds of extracting the old air. The inside filter can be easily removed and washed. The video will show the volume of airborne dirt collected in just over six months.

Heat Recovery

Will confirmed there was no loss in heat thanks to the heat recovery system built into the FLUXO unit. The FLUXO contains a ceramic core which heats to the same temperature as the room. This means as fresh air is pulled into the room, the air moves through this core and is heated up to 82% of the outgoing air temperature.

Case Study

LIVGREEN
RETROFIT SPECIALISTS

Customer Testimonial In Retrofit

Scan QR
To watch the
full video

LivGreen is a specialist Retrofit Contractor which provides a one-stop-shop for social and private landlords in delivering high quality retrofit projects.

Steven Wilson, Technical Director at LivGreen, states ventilation isn't only about circulating air within the property. It's about creating a healthier, more comfortable living environment for families and occupants.

TRUSTMARK
Government Endorsed Quality

One of the key areas that we look forward to in a property is how well ventilated it is. Ventilation can help reduce energy consumption and utility costs associated with heating. Adequate ventilation controls moisture levels, preventing the build up of damp and mould. This is particularly important with the introduction of Awaab's Law.

SC simply certification
PAS 2030 certification
Retrofit Installation of EEM

One of the huge benefits of the VENTI solutions is that they are easy to install, which means that we're in residents homes for less time, reducing the impact and inconvenience for our clients residents.

Our team leverages cutting edge technology to deliver results that exceed expectations. LivGreen are proud to work with VENTI on achieving this goal.

VENTI

The Clean Air Movement

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