



# condensation solutions

*Your trusted  
self-build partner*

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# About Us



Condensation Solutions has been at the forefront of ventilation technology since 1995. Originally created to solve issues with poor air quality and condensation mould growth in existing homes, the business has grown into a sector leader providing solutions across both the new build and existing domestic and light commercial market.

With over 25 years trading experience we have successfully completed many thousands of projects nationwide. We offer our customers a wide breadth of innovative, high-quality mechanical ventilation and central vacuum solutions.

Our customer focused approach, supported with vast technical knowledge and experience, provides a 'hassle-free' experience and has allowed us to become a trusted partner with many contractors, developers, 'self-builders' and social housing providers.

## Hassle free Ventilation

Condensation Solutions offer the complete Service Solution ensuring that we provide the highest level of customer experience for our self-build customers:

- Our technical sales team are NICEIC/BPEC qualified ensuring that the ventilation system you choose is correctly designed to meet Building Regulation requirements.
- Our installation technicians are also NICEIC/BPEC qualified to ensure your ventilation system is installed to the highest standard to deliver optimum efficiency levels.
- We provide a full after-sales service, including long term maintenance packages.

At Condensation Solutions we pride ourselves in the longstanding relationships we have developed over the years with leading manufacturers. We have purposely limited the manufacturers we use to ensure the products we offer are the best in the ventilation sector to meet all requirements. These relationships enable us to quality assure all aspects of our service from production line through to after-sales.





## Choosing the right ventilation system

When deciding what ventilation strategy is right for you, your family, and the type of home you are building, a number of matters should be considered, including:

- How important to you is the air quality in your home?
- Will your ventilation strategy meet Building Regulation requirements?
- How energy efficient is your home in terms of insulation and airtightness?

At Condensation Solutions, we can offer various options based on your individual specification requirements and budget which will ensure Building Regulations are achieved. These include:

- Mechanical Ventilation with Heat Recovery (MVHR)
- Mechanical Extract Ventilation (MEV) – centralised
- Intermittent Extract Fans – decentralised
- Positive Pressure Ventilation – an alternative ventilation method achieved through our unique BBA approved modular system.



## Our service to you



Our qualified sales team will work in partnership with you to understand your ventilation requirements for your new home and provide you with a detailed proposal which includes:

- Correctly sized systems for the size of your home
- Bespoke MVHR/MEV systems to operate at 50-60% capacity to improve efficiency
- Tailored systems to exceed Building Control Regulation requirements
- Floor plans detailing valve locations and flow rates
- A quality airtight air distribution system
- Highest quality, best in class systems to future proof your new home

Once confirmed, our experienced NICEIC/BPEC qualified installers will ensure the system is installed correctly in line with NICEIC Domestic Ventilation System best practice and, where appropriate, a Commissioning Certificate will be issued on completion.



# What is Mechanical Ventilation with Heat Recovery?

Mechanical Ventilation with Heat Recovery (MVHR) is an energy efficient ventilation solution which provides fresh filtered air and a comfortable all year-round climate for your home.

Stale moist air is extracted out of 'wet' rooms such as kitchens, bathrooms, utility and en-suite rooms. Simultaneously fresh air, drawn into the unit from outside, is warmed by the high efficiency heat exchange cell. This extracted air passes over a heat exchanger before being ducted to outside. Simultaneously, fresh air is drawn into the unit from outside is warmed by the high efficiency heat exchange cell. This tempered fresh air is then delivered through supply vents into the habitable rooms in your home such as living, dining and bedroom areas. By transferring heat from extracted air to the incoming fresh air, MVHR systems provide the most efficient solution to ventilate your home.



This constant supply of clean, tempered air into the property creates a healthy, filtered environment maintaining stable humidity levels, free from condensation and mould.

## Features to look for when choosing your MVHR systems

When choosing your MVHR system there are many things to consider; features of the high performing MVHR systems recommended by Condensation Solutions include:

- High Efficiency heat recovery of up to 95%
- High Efficiency Fans
- Counter Flow Polystyrene Heat Exchangers
- Automatic Summer Bypass
- Built in Humidity Detection
- Frost Protection
- Digital Controller
- Extended Warranty

The efficiency, performance and your experience living in your new home is greatly influenced by the design of your MVHR system. By ensuring your unit is correctly sized to achieve Building Regulation requirements, our systems will operate at 50-60% capacity improving efficiency levels, reducing noise levels and protecting fan components. The ability to control your system remotely and the type and quality of ducting used are equally as important. To complement our market leading MVHR units, we only use the highest quality Air Distribution System ensuring your overall installation performs at the highest efficiency levels.

## Quality Air Distribution System

We only use the Ubbink Air Distribution System which is recognised to be the highest quality system on the market. The system comprises semi-rigid, thermal and rigid ductwork/fittings, universal distribution boxes, manifolds and connectors which interlock to ensure a complete airtight ventilation system.



# Mechanical Ventilation with Heat Recovery Options (MVHR)

Condensation Solutions source units from premium manufacturers who share our drive to provide MVHR units using top quality components which ensure the highest efficiency and quietest performance. Our technical sales team will discuss your requirements and advise you of the various models, including control options, suitable to your project.

Our MVHR range includes model options from leading manufacturers Brink and Envirovent;

## Brink Flair Range—Features and Benefits:



- Clean, filtered air 24 hours a day for a healthier indoor environment
- High efficiency heat recovery tested according to EN13141-7
- The highest efficiency under all conditions due to Constant Flow Control
- Relative Humidity (RH) Sensor
- Standard 100% summer bypass
- Ecodesign A or A+ label
- Automatic boost function triggered by RH sensor (cooking/showering)
- Extremely quiet thanks to lower flow rates

## Brink Renovent Excellent Range—Features and Benefits:



- Clean, filtered air 24 hours a day for a healthier indoor environment
- High efficiency heat recovery tested according to EN13141-7
- The highest efficiency under all conditions due to Constant Flow Control
- Relative Humidity Sensor
- Standard 100% summer bypass
- Ecodesign A or A+ label (with demand flow control) for the Renovent Excellent 300/400
- Enthalpy exchanger available for better balanced indoor humidity during the winter season
- Extremely quiet

## Envirovent EnergiSava Range—Features and Benefits:

Ideal for smaller residential properties to provide a constant supply of clean, tempered air and maintain stable humidity levels



- Clean, filtered air 24 hours a day for a healthier indoor environment
- 'Intellitrac' intuitive humidity tracker
- Part of the award winning Lifetime Range
- Maximum airflow capacities of 400 m<sup>3</sup>/hr
- Available in left-handed and right-handed versions with a range of options for connecting ducting
- Extremely quiet



## What is Mechanical Extract Ventilation?

Mechanical Extract Ventilation (MEV) provides a more economical alternative to MVHR. MEV provides an energy efficient centralised solution which provides continuous ventilation using a ducted system and multiple extract points in 'wet' rooms. Differing from MVHR, it does not supply air into your home and therefore has no heat recovery capacity.

Stale moist air is extracted out of 'wet' rooms such as kitchens, bathrooms, utility and en-suite rooms. The moist air is then ducted to a central unit typically located in the roof space, a utility room, or a cupboard/store area. This extracted air is discharged to outside atmosphere via a single point, normally a vent in the wall or a roof cowl.

Our technical sales team will design a system to comply with the Building Regulation requirements for your home and ensure your home benefits from good indoor air quality all year round, protecting your home from condensation and mould.



**At Condensation Solutions we only source the highest quality mechanical extract products from leading manufacturer Envirovent.**

Our SAP PCDB listed MEV systems employ Ultra-Low Watt DC motors and have Envirovent's **Intellitrac** Controls incorporated as standard. As this system continuously operates at a low level to ensure your home is correctly ventilated, the **Intellitrac** technology constantly monitors humidity levels. As the humidity levels rise and fall, the motor speed rises and falls in direct correlation. This controls humidity and condensation quietly and efficiently, reducing the periods of time when the system has to operate on maximum speed, saving energy.

Our Envirovent MEV system works particularly well alongside our Positive Input Ventilation (PIV) range. Complementing each other, they provide a more affordable option to MVHR systems and together can also negate the requirement for unsightly, draughty trickle vents in windows.

With MEV, the moist air actively drawn from wet rooms throughout the house creates a slight pressure differential and complements our PIV system which introduces fresh air into your home from outdoors.

### Intelligent Remote Control

A remote controlled boost switch offers homeowners easy access to manage their MEV system. The unit is fully commissionable to high and low rates to ensure optimum performance and efficiency.



The **Envirovent Extractor Fan Range** provides award winning options to ventilate your new home, including decentralised continuous mechanical extraction to meet Building Regulations.'

- BP1 - Use with our BBA accredited, modular PIV system, to achieve Building Regulation requirements
- BP2 - Includes the award winning Lifetime Range
- BP3 - High quality specifications including our award winning Envirovent Filterless Extract Fan
- BP4 - 'Intellitrac' intuitive humidity tracker





# Quality Air Distribution System

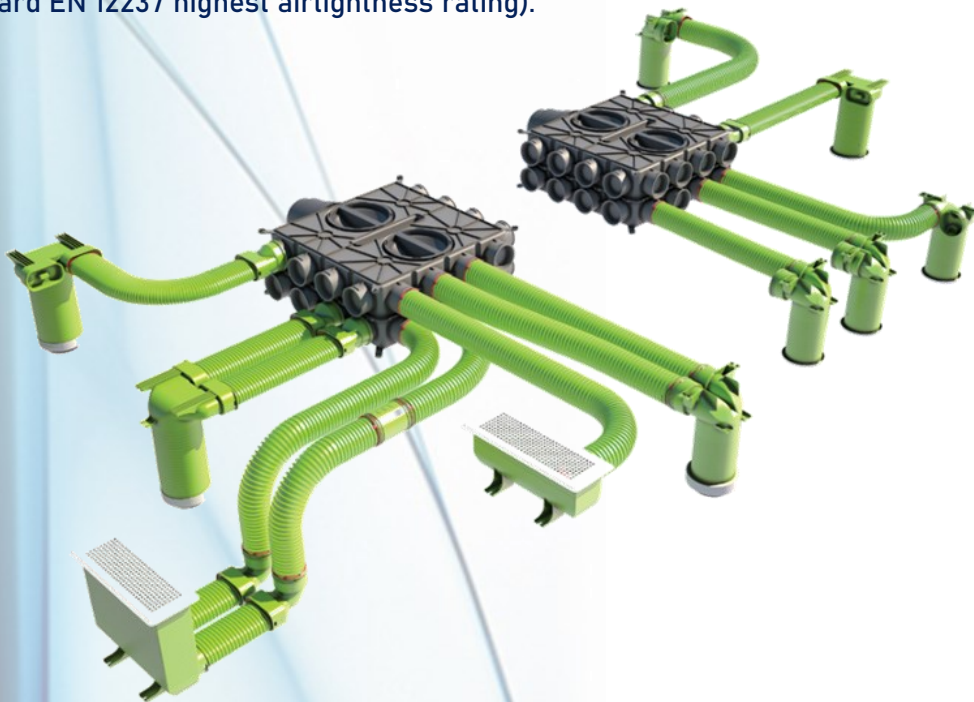
## Ubbink Air Distribution System

The efficiency, performance and your experience living in your new home is greatly influenced by the design of your MVHR system. By ensuring your unit is correctly sized to achieve Building Regulation requirements, our systems will operate at 50-60% capacity improving efficiency levels, reducing noise levels and protecting fan components. The ability to control your system remotely and the type and quality of ducting used are equally as important. To complement our market leading MVHR units, we only use the highest quality Air Distribution System ensuring your overall installation performs at the highest efficiency levels.

Condensation Solutions use the Ubbink air distribution system which is recognised to be the highest quality system on the market. The system comprises semi-rigid, thermal and rigid ductwork/fittings, universal distribution boxes, manifolds and connectors which interlock to ensure a completely airtight ventilation system.

The Ubbink air distribution system is now recognised in the Standard Assessment Procedure (SAP) calculations via Appendix Q and listed in the Product Characteristics Database (PCDB).

This system has been independently tested and certified as delivering Class D levels of airtightness (European Standard EN 12237 highest airtightness rating).



### Features and Benefits:

#### Features and Benefits of our Ubbink system

- Complements our MVHR/MEV systems
- SAP rating
- High levels of airtightness
- Lightweight sound absorbing ductwork
- Strong and durable outer surface
- Anti-static and anti-bacterial properties
- Smooth inner surface for less pressure drop and static free
- Aero foam—crush resistant
- No 'crosstalk' between spaces
- All ductwork dimensions connect to the one universal manifold
- Modular system



# What is Positive Pressure Ventilation?

Positive Pressure Ventilation (PPV) is a concept which delivers fresh filtered air into a property at a continuous controlled rate. The fresh air is delivered through specially designed ceiling mounted diffuser(s), typically located in a central hallway, to provide a whole house ventilation solution for houses, bungalows and apartments.

As the main distributor in Northern Ireland, Condensation Solutions only use the award winning **Envirovent Lifetime Range** of products which include a modular range of Positive Input Ventilation Systems. Our PIV range of products have British Board of Agrément (BBA) certification making them suitable for use as part of your ventilation strategy to comply with Building Regulations.



The system works particularly well with Mechanical Extract Ventilation (MEV) and can also be used with Envirovent high quality Intermittent Extract Fans. The use of PIV can also negate the requirements for unsightly, draughty trickle vents in windows.



## PIV Loft Mounted Unit

The 'standard' PIV Loft Mounted Unit is a sophisticated whole house ventilation for homes with a roof space. Energy efficient, the unit introduces an almost imperceptible air supply to gently ventilate the home from a central position at a pre-determined continuous rate based on the property size. (An Inline PIV model, designed specifically for properties with air restricted loft spaces or 'warm' roof type applications, is also available).

## PIV Air Source Unit

The Air Source derivative has the facility to source cooler air from outside the building when the temperature in the loft space rises above 25°C. Detecting the rise in temperature, the unit starts to draw air from atmosphere via a temperature controlled diverter mechanism. This not only provides efficient perception cooling into the property during warmer weather, but also maintains the required level of ventilation continuously throughout the year.



## PIV Wall Mounted Unit

The Envirovent Wall Mounted Unit is designed for homes without a loft space, such as apartments. Energy efficient, the unit introduces an almost imperceptible air supply to gently ventilate the home from a central position at a pre-determined continuous rate based on the property size.

## Intelligent Remote Control (Optional)

A remote control incorporating 5 mode settings and control of the Integral Intelligent Comfort Heater is available to provide home owners with easy access to manage their PIV system.



## Features and Benefits:

- Integral intelligent comfort heater (as standard)
- Integral hours-run meter (as standard)
- 5-year warranty (10 year warranty optional)
- BBA approved
- Minimum energy consumption
- Redistributes warm air at ceiling level
- Warm air from solar gain (loft units)
- Low lifecycle costs





## What is a Central Vacuum system?

A central vacuum system comprises a ducted system, integrated throughout your home which is connected to a central fixed vacuum power unit typically located in a utility room, garage or basement. The concealed ducting network connects to a series of strategically positioned vacuum inlets which enable you to connect your vacuum cleaning hose and set of cleaning tools & accessories.

Many people are drawn to central vacuums in their efforts to reduce the physical burden of cleaning their homes, to provide a cleaner dust-free environment and also to reduce the severity of asthmatic flare-ups caused by airborne allergens.



Condensation Solutions are the distributor for Cyclovac central vacuum systems. There are many built in benefits, allowing you to vacuum faster, easier and more efficiently than ever before:

- Industrial strength suction & power
- Clinically proven health benefits
- Unobtrusive installation
- Modern convenience at your fingertips
- Low noise levels
- Long term warranty options

All our systems are designed in-house by our experienced technical team and installed by our own engineers. We will discuss the positioning of the central power unit (commonly located in easily accessed places such as utility rooms and garages), and the position of the vacuum inlets within your home. Typically, your home will not require an inlet in every room as our systems include a 9m lightweight hose that allows you to vacuum multiple rooms from a single inlet; inlets are therefore normally installed in central areas such as hallways and landings.

### Our Cyclovac Central Vacuum range has many features and benefits:

- Improved air quality: no recirculated dirty air, stir up dust or hot exhaust
- Deeper cleaning: up to 5 times more powerful
- Ease of use:
  - ◇ Plug-in hose weighs less than 2.5 kg
  - ◇ No vacuum to drag along
  - ◇ No power cables
  - ◇ One inlet for multiple rooms
- Quiet: dramatic noise reduction
- Fixed unit: no damage to furniture, woodwork, door frames and cupboards
- Virtually no maintenance during an average 25 - 30 year lifespan





## Our Trusted Partners



**connswater**

**LaganHomes**<sup>®</sup>



**RODGERS CONSTRUCTION LTD**

An established building company with an excellent reputation

**ROSKYLE**  
CONSTRUCTION



**Habinteg**  
Housing Association (Ulster) Ltd



**apex** 

**Alskea** 



## Testimonials

The tenant wanted to let us know that the operative who visited her property yesterday to install a filterless fan was very courteous, the appointment time was kept, and the operative spent time ensuring the fan was fully operational before then advising her and her partner of the operations / do / don'ts of the fan/ Overall, a very positive review



*- Apex Housing*

Habinteg have been successfully working in partnership with Condensation Solutions for many years to ensure issues with dampness and correctly diagnosed and effectively resolved. Our recently introduced 'Healthy Home Check' initiative with Condensation Solutions ensures a collaborative approach is applied to achieve this



*- Habinteg Housing*

Connswater Homes Ltd have been working with Condensation Solutions for the last 3+ years. We have found their reports and products to be of a very high standard and they have solved numerous condensation issues in various buildings that we own. They are a reliable and knowledgeable company, and I would have no issue recommending them



*- Connswater Homes*

I called Condensation Solutions to look at a problem I had with condensation. They came out at the agreed time and advised what the problem was and what needed to be done to fix it. They supplied and fitted the system with speed and quality. Cannot recommend them enough quality team and were always contactable for any questions I had even after install. Top class firm. Thank you



*- Mrs O'Hagan (Homeowner)*

I wanted to let you know that Condensation Solutions were very thorough in specifying the design and consulting with Envirovent as necessary, and then the fitters did an excellent job with installation. They were polite, professional and diligent with all the details, and worked hard to complete the many tasks involved during the day, including clean up. You have a great team and I wanted you to know that I appreciated the service received from them.



*- Mr Gallagher (Homeowner)*

We have been working with Condensation Solutions for several months. We have found all staff to be extremely competent and professional in all aspects of their service. The survey reports are comprehensive and provide a clean and concise overview of their inspection. The quality of the workmanship has been impressive, highlighted by the positive feedback from our tenants. We would highly recommend Condensation Solutions



*- Mrs Graham (Homeowner)*

Just wanted to thank the Condensation Solutions team for a great job on the ventilation for our bungalow. They did a fantastic job from surveying the bungalow to fitment. Everything was explained really well and the information booklets were really useful in understanding the products. What a great team you have and I wish you all the very best of success



*- Mr Cummings (Homeowner)*

*Carnbane Road*   
— Hillsborough —



*hassle free Ve*

*Downs Road*   
— Newcastle —



*hassle free Ventilation*

*Robin Hill*   
— Dundrum —



*hassle free Ve*

*Rossglass Road*   
— Downpatrick —



*hassle free Ventila*

*The Avenue*   
— Burren —



*hassle free Ventilation*

*Carricknab Road*   
— Ballykinler —



*hassle free Ventilator*

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