BEAM
Vacuum & Ventilation

Cleaner Air. Fresher Homes.

Central Vacuum | Heat Recovery Ventilation
Mechanical Extract Ventilation | Positive Input Ventilation





Contents

A home you will love living in 2
Confidence built on experience 3

Central Vacuum Systems
Powerful cleaning, built into your home 5
The BEAM Retractable Cleaning Hose 7
The BEAM Standard Cleaning Hose 8
BEAM power unit specifications 9

Mechanical Ventilation with Heat Recovery (MVHR)
Choosing the right ventilation for your home 11
Mechanical Ventilation with Heat Recovery Systems (MVHR) 12
Ventilation Ducting System 13
Beam Axco C Range 15
Beam Axco HERU Range 16
Single Room Heat Recovery 17

Mechanical Extract Ventilation (MEV & dMEV)
Beam Axco Mechanical Extraction Ventilation (MEV) 19
Decentralised Mechanical Extract Ventilation (dMEV) 20
Demand Controlled Ventilation (DCV) 21

Positive Input Ventilation (PIV)
Why choose a PIV System? 23
BEAM Axco PIV specifications 24

From your plans to everyday comfort 25
See what BEAM can bring to your home 26

A home you will love living in



You are putting care into every detail of your home, from the layout of each room to the materials, finishes and details that make it uniquely yours.

But some of the most important decisions are about more than what you can see.

Fresh air throughout your home. Bathrooms designed to deal with everyday moisture. A powerful built-in vacuum cleaning system that is always ready when you need it. These are the details that make a difference to everyday living, long after the building work is complete.

BEAM helps you plan ventilation and central vacuum systems around your home from the outset, making comfort, energy efficiency and convenience part of the design.

Freshness throughout your home
Keep the air in your home feeling fresh and comfortable with ventilation solutions designed to support better air quality and energy efficiency.

Cleaning made easier
Powerful whole-home vacuuming that helps create a cleaner healthier home.

Designed around your home
Discreet systems carefully planned around your layout, your build and the way you live.

Ventilation and central vacuum systems work hand in hand together
MVHR manages everyday air exchange, bringing in filtered fresh air and extracting stale, humid air. Central vacuum systems carry collected cleaning dust and debris to a remote bin, ensuring there's no dirty recirculated dusty air. Together they address different aspects of keeping your home fresh and clean.



Make BEAM part of your home.

Confidence built on experience

When you're investing in systems built into your home, choosing a company you can rely on matters.

From your first conversation to installation and aftercare, we help you make informed choices and deliver systems designed for your home.

Specialists since 1977
Decades of practical experience across new builds, renovations and existing homes.

More than 90,000 installations
Extensive experience across Ireland & UK, giving you confidence in the advice and support you receive.

A design for your home
Your home's layout, ventilation requirements and installation routes guide our system recommendations.

Expertise from start to finish
Design, supply, installation, commissioning and after-sales support through BEAM and our countrywide Approved Distributor Network.

Support beyond installation
Ongoing advice, maintenance guidance and access to replacement parts when you need them.



Beam Central Vacuum Systems

Powerful cleaning, built into your home

Discover a more convenient way to clean with a BEAM Central Vacuum System

A BEAM Central Vacuum System is built into your home, giving you powerful, convenient cleaning exactly where you need it, with durability designed to last a Housetime®.

The power unit is positioned away from your living areas and connected through concealed ductwork to discreet wall inlets positioned throughout your home. Choose a retractable hose that pulls directly from the wall and stores neatly back inside the system, or a lightweight hose that simply connects to an inlet.

As you clean, dust and debris travel through the concealed ductwork to the collection bin, keeping collected dirt away from your living spaces. With no bulky vacuum unit to move around, cleaning floors, stairs and those harder-to-reach areas becomes easier.

Because a BEAM Central Vacuum System is built into your property, the ideal time to plan for one is when designing or building your new home. It can also be installed in many existing homes, with pipework discreetly concealed.













A healthier home
Clinically proven to provide measurable relief for asthma and allergy sufferers as there's no recirculated dust or dirty air to breathe.

Easy to use
Move easily from room to room with just the cleaning hose and floor tool.

Ready when you are
Mains-powered cleaning means consistent power with no battery to recharge.

Two lightweight hose options
Enjoy the convenience of a retractable hose that pulls out when needed and stores neatly back inside the ductwork afterwards or choose a standard hose that connects directly to a wall inlet.

Quieter where it matters
With the power unit located away from your main living areas, motor noise is kept away from the rooms you're cleaning.

Powerful whole-home cleaning
Industrial strength suction makes light work of everyday cleaning across floors and surfaces throughout your home.

Designed around your home
Wall Inlets are carefully positioned to provide convenient cleaning coverage throughout your home.

Tools for everyday jobs
A range of attachments makes it easy to clean stairs, upholstery, edges and those awkward, hard-to-reach areas.

Planning your dream home? Start with your floor plans. Send them to BEAM and we'll design a Central Vacuum System around your home and the way you live.

Hidden away. Ready whenever you need it



The BEAM Retractable Cleaning Hose

Imagine a cleaning hose that has its own storage space inside the walls of your home.

A BEAM Central Vacuum System with Retractable Hose takes convenience to the next level by storing the 12m hose neatly within the central vacuum pipework. Simply pull out the length you need, attach your telescopic wand and cleaning tool and start vacuuming. When you're finished, the system's suction retracts the hose back into the pipework.

No hose to coil up. No cupboard space needed for storage. Just a discreet wall inlet, with your cleaning hose hidden away and ready whenever you need it.

Pull out only what you need
Simply pull out the length of hose you need for the area you're cleaning.

Hidden away after use
When you've finished cleaning, the hose retracts neatly back into the concealed pipework.

Ready for everyday cleaning
Add the appropriate attachment for floors, stairs, furniture and all those smaller cleaning jobs around your home.













Plan your retractable hose before first fix. Send us your plans so we can allow for its pipework routes and inlet positions.

See the retractable hose in action:

Flexible cleaning for every home



The BEAM Standard Cleaning Hose

For those who prefer a removable hose, the lightweight BEAM cleaning hose simply connects to discreet wall inlets strategically positioned throughout your home. With convenient coverage from room to room, you can easily clean floors, stairs, furnishings and those harder-to-reach spaces.

Available in a 9m length and supplied with a selection of cleaning tools, it's a practical solution for everyday cleaning throughout the home.

Discreet Wall Inlets

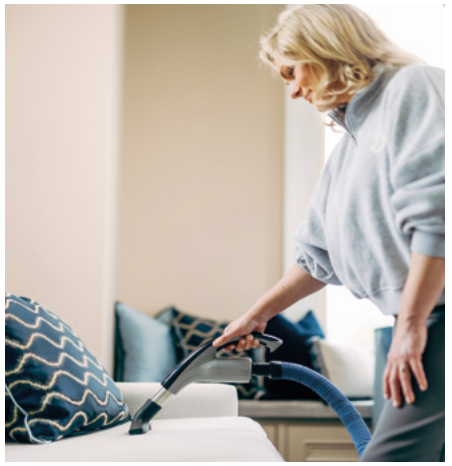
White automatic vacuum inlets are supplied as standard, with chrome and brass finishes available for standard hose systems to complement your interior.

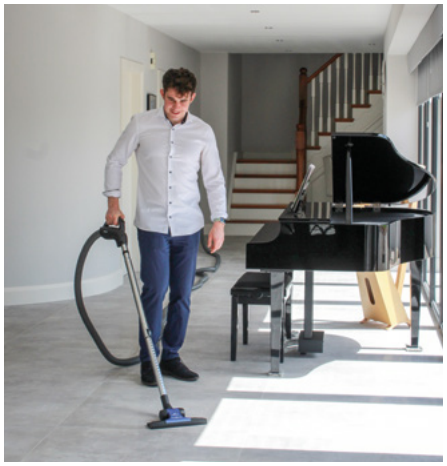


Tools for your floors and furnishings

From crumbs under the kitchen table to dust along the stairs, a BEAM Central Vacuum system is equipped for the jobs that are part of everyday life.

A lightweight telescopic wand and a choice of floor tools make it easy to clean different surfaces throughout your home. A combination floor brush that moves with ease between carpets and hard floors, a soft-bristled hard floor brush, dusting brush, upholstery tool and crevice tool complete your cleaning kit, giving you the right tool for furniture, fabrics, edges and awkward spaces.





A quick clean in the kitchen with a Vacpan

This automatic kitchen dustpan sits discreetly in the toe space of your kitchen units. Simply sweep crumbs and debris towards it, activate the toe switch and let your BEAM system whisk them away.



See the Vacpan in action:

BEAM power unit specifications

The BEAM Resilience range combines a metal-bodied power unit with cyclonic separation and self-cleaning filtration. Collected dust and debris are held in a removable bin, ready to empty when required (on average 2-3 times per year).

Self Cleaning Filtration

BEAM power units feature a permanent self-cleaning filter, so there are no filters or screens to regularly clean or replace.

Cyclonic action separates larger dirt particles and allergens from the vacuumed air before the filter captures the remaining fine particles, with 98% efficiency at 0.3 microns. Each time the system is switched off, the filter automatically cleans itself, helping maintain performance with minimal maintenance.

Model:	345E	360E	475E	3500EA
Airwatts	752	682	677	1,045
Airflow (l/s)	69	59.16	65	99.58
Waterlift (mm)	3274	3771	3790	3150
Motor	Bypass	Bypass	Bypass	Twin: Bypass
Sound level (with external exhaust)	62dB	62dB	66dB	82.4dB
Waste Bin	14 litre Latching	14 litre Latching	21 litre Latching	26.5 litre Twist off
Cyclonic self cleaning filter	Yes	Yes	Yes	Yes
Hours Run Counter	No	No	Yes	No
Size (W x H) (cm)	28 x 89	29 x 106.5	36 x 106.5	36 x 112



345E 360E 475E 3500EA

Designed in from the start

Installation is best planned during the design or early construction stages of your home. Pipework and inlet positions are carefully considered to provide convenient coverage while keeping the system discreetly integrated into your property.

Installation typically begins at first fix, alongside other services, although some construction types may require the system to be planned at an earlier stage.



> One of the best decisions I made when building our home was to include a BEAM Vacuum System. It was installed in 2011 and we haven't looked back. It doesn't even compare to any other vacuum.
>
> *J Kent, Dublin*

Ventilation overview and Mechanical Ventilation with Heat Recovery

Plan how your home will breathe







A comfortable home needs more than good insulation. It needs the right ventilation strategy too.

As homes become better insulated and more airtight, it's increasingly important to consider how fresh air will enter your home and how stale, moisture-laden air will be removed. A well-designed ventilation system manages this air movement in a controlled way, helping your home feel fresh and comfortable throughout the year.

Effective ventilation continually manages this air exchange, helping to remove excess moisture, stale air and everyday pollutants while bringing fresh air into your home.

An important part of your build

Ventilation is also an important consideration to meet Building Regulations. Requirements vary depending on where your home is located and the type of building work being carried out.

In Ireland, ventilation is covered by **Technical Guidance Document F: Ventilation**, while Northern Ireland has separate requirements under **Technical Booklet K: Ventilation**. Specific requirements also vary across England, Scotland and Wales.

Choosing the right ventilation solution for your home

Every home is different. A new airtight home and an existing property undergoing renovation can have very different ventilation requirements. BEAM will help you choose a ventilation solution that suits your property, your plans and your budget.

Ventilation Solution	How It Works	Where it may suit
Mechanical Ventilation with Heat Recovery (MVHR)	Continuously supplies filtered fresh air and extracts stale air, while recovering heat from the outgoing air.	Airtight new homes and renovations where suitable ductwork routes can be incorporated.
Single-room heat recovery	Provides localised ventilation with heat recovery in individual rooms.	Individual rooms or renovation projects where installing whole-house ductwork is impractical.
Mechanical Extract Ventilation (MEV)	Continuously extracts stale and humid air, with fresh air entering through separately designed air inlets. No heat recovery.	New builds and refurbishment projects where an extract-based ventilation system is appropriate.
Demand Controlled Ventilation (DCV)	Continuously monitors indoor air quality and automatically adjusts airflow rates as required.	Multi-housing developments
Positive Input Ventilation (PIV)	Introduces filtered air into the home to help dilute and displace stale, humid air. No heat recovery.	Typically suited to existing homes, and may also be suitable for some new-build properties, subject to the ventilation strategy, building design and applicable Building Regulations.

Send us your plans or tell us about your property. Our team can talk you through the options and recommend a ventilation solution suited to your home and lifestyle.



Mechanical Ventilation with Heat Recovery (MVHR)



Mechanical Ventilation with Heat Recovery, or MVHR, provides a continuous supply of fresh, filtered air to your home while recovering heat from the air being extracted. This helps to reduce heat loss through ventilation, supporting an energy-efficient home.

Stale, moist air is continuously removed from kitchens, bathrooms and utility rooms. Inside the MVHR unit, a heat exchanger recovers heat from this outgoing air and transfers it to the fresh incoming air before it is supplied to bedrooms and living spaces.

For a well-insulated, airtight home, MVHR provides controlled, balanced ventilation while helping to reduce the heat lost through ventilation.

BEAM designs the complete system around your home, including unit selection, ductwork and room airflow requirements, to help you get the best from your MVHR system.

A well-designed MVHR system works quietly in the background, helping your home feel fresh, comfortable and well ventilated throughout the day and night.

Fresh air through the seasons

MVHR provides continuous ventilation without relying on open windows, although you can still open them whenever you wish. BEAM systems also include summer bypass or seasonal functions, depending on the model. It's worth remembering that MVHR provides ventilation rather than air conditioning.

Fresh, filtered air supplied into the rooms where you live
A continuous supply of fresh air to bedrooms, living rooms and other habitable spaces.

Helps reduce condensation and mould growth
Stale, humid air is continuously removed from bathrooms and other wet areas.

Heat recovered from outgoing air
Heat from extracted air is recovered and transferred to incoming fresh air, making MVHR the most energy efficient ventilation strategy for well insulated homes.

No noisy bathroom extract fans
Ventilation works quietly throughout the home.

Fresh air without opening windows for ventilation
Particularly valuable during colder weather.

Quiet operation by design
A calculated unit selection, ductwork design and professional installation all help to keep operating noise to a minimum.

Control when you need it
Use your system controls to boost ventilation when required or select the settings best suited to your home and lifestyle. Your installer will explain how to use your normal ventilation setting, boost functions and filter reminders.

Simple, practical maintenance
Regular filter care helps keep your MVHR system performing effectively.

Ask BEAM about MVHR for your new build or renovation.

Ventilation Ducting System

A larger unit or a higher headline efficiency figure does not necessarily mean a better system for your home. BEAM considers the required airflow, available space, ductwork design, controls and maintenance access before recommending the right equipment for your property. The design and installation of the ductwork, together with correct commissioning, all play a critical role in how quietly and efficiently your system performs.

BEAM designs the complete ventilation system for your home. We use smooth-flow rigid ducting, carefully sized for the required airflow, with routes planned to minimise resistance and help reduce noise. Ductwork insulation is also specified according to the location and purpose of the ductwork.

Once installation is complete, the system is commissioned and balanced to ensure each room receives its designed airflow. It's this attention to every stage, from initial design through to final commissioning, that turns quality components into a complete, well-performing ventilation system.

Room-by-room airflow design
Supply and extract rates are carefully considered for each space in your home.

Carefully sized ductwork
Duct routes and sizes are designed to deliver the required airflow while managing resistance, air velocity and noise.

Installation details that count
Ducting silencers, connections, insulation, access and duct routing are all carefully considered as part of the installation.

Commissioning & balancing
Airflows are measured and adjusted before handover to ensure the system performs as designed.

After-sales support
Customer support available from BEAM or your local BEAM Approved Distributor Partner.






















BEAM

Beam Axco C Range

The Axco MVHR C range of ventilation units are manufactured in the UK for Beam Vacuum & Ventilation to the highest standards. The combination of extremely low power consumption and a highly efficient heat exchange is specifically designed to enhance the building's energy performance via SAP/DEAP assessment procedures.

- Extremely low power consumption. Latest EC motors with SFP (Specific Fan Power) from **0.38wls-1**
- Highly efficient heat exchange. Best in class performance – up to **92%** efficient
- Demand controlled ventilation when a rise in humidity. Manual control boost switch also provided. Setback option for unoccupied periods
- Fully adjustable boost overrun timer 0-60 minutes. Automatic/manual set to suit occupants lifestyle
- Unique design temperature controlled summer bypass
- Intelligent frost protection – built-in to prevent freezing
- Internally insulated in high density expandable polypropylene
- Manufactured in Zintec® steel complete with high gloss baked resin finish for long life





Aura-T® controller



Aura-T® is a simple touchscreen controller for programming, set-up and occupancy control via a wired connection.

- Digital 4 Speed Control
- 7 Day Programmable Timer
- Filter Change Indicator
- Internal Humidity Sensor
- Boost Functionality
- Time & Day Display Indicator
- Real Time Status & Operating Mode
- APP – ability to control / monitor through a smartphone App

Unit	Axco C65	Axco C90	Axco C440	Axco C570
Specific Fan Power (SFP)	0.6	0.5	0.38	0.43
Heat Exchange	88%	92%	91%	91%
Efficiency (HEE)				
Maximum flow (m^3/h)	245	390	443	568
G4 Filters	Yes	Yes	Yes	Yes
Condensate Drain Required	Yes	Yes	Yes	Yes
Inlet Diameter (mm)	125	150	150	150
Weight (kg)	16	24	28.5	28.5
Dimension (W x H x D) (mm)	600 x 430 x 295	715 x 490 x 426	600 x 602 x 477	600 x 602 x 477

Further technical specification available on request.

> "The first thing we noticed on moving into our new house is that it always feels fresh and airy."
>
> *M Rea, Co. Monaghan*

Beam Axco HERU Range

Designed and built in Sweden, the Axco New Generation HERU range uses an aluminium rotating heat exchanger, and low-energy high performance fans. A choice of unit sizes and connection arrangements allows us to select the most suitable option for your installation, with compatible control options available.

- Regenerative, non-hygroscopic, **aluminium rotating heat exchanger** located in the centre of the unit. Low energy, high performance EC fans
- Up to 86% heat recovery efficiency
- Large surface **Pollen Grade F7 filter** (inlet and outlet) is the highest specification available for any residential ventilation system
- Increases thermal comfort by heat recovery or night cooling recovery
- Low sound level
- Constructed in Galvanized and Aluzinc Steel
- Insulated with 50mm dense mineral wool for quietness and facilitates use in any warm or cold space
- No condensate drain required



Wireless Intelligent IQ Control System

Intelligent control system for a healthy and energy-efficient indoor climate. Connects wirelessly to your AXCO HERU MVHR unit with an operating range of approximately 50m through walls and floors.

- **User friendly** 4.3" touch panel (including docking station) with status bar for quick overview
- **APP** – ability to control / monitor through a smartphone App
- **Colour Theme** – choose light or dark colour to suit your home
- **Holiday Mode** – energy saving facility
- **7 Day Scheduler** – set up to your home requirements
- **Clock** – Screen saver shows time and internal/external temperatures
- **Alarm History** – Real-time diagnostics functionality
- **Fan Speeds** – RPM







Unit	HERU 100S	HERU 100T	HERU 160S	HERU 160T	HERU 200S	HERU 200T
Max Flow - Free Blowing (l/s)	121	116	200	183	244	247
Max Pressure @ 100pa m³h	390	378	650	605	786	805
Specific Fan Power	0.38	0.37	0.32	0.34	0.26	0.25
Heat Efficiency %	84	85	84	86	86	86
Sound Level @3m (dba)	43	41	41	38	42	40
Weight (kg)	59	66	77	95	101	136
Inlet Diameter (mm)	160	125	200	160	250	250
Duct Orientation	Side	Top	Side	Top	Side	Top
Max Speed (RPM)	3000	3600	2860	3070	2820	2820
Dimension (L x W x H) (mm)	1074 x 563 x 488	796 x 483 x 705	1236 x 631 x 570	942 x 551 x 865	1352 x 740 x 679	1124 x 679 x 1135

Further technical specification available on request.

Single Room Heat Recovery

Single-room heat recovery can improve ventilation in particular spaces where whole-house ductwork is not practical. Individual room units extract stale air and introduce fresh air while recovering heat.

The Benefits:

Fresh air for individual spaces
Provides a continuous supply of fresh, filtered air without relying on open windows.

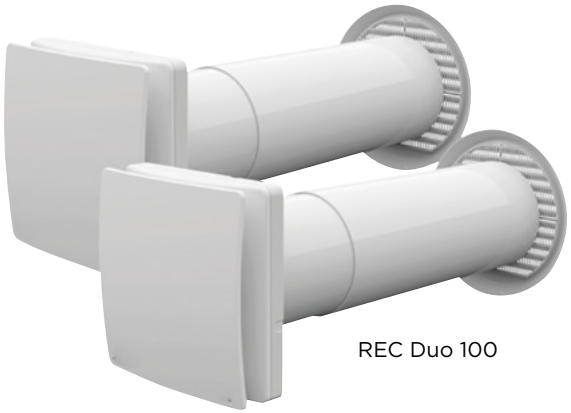
Helps manage moisture
Removes humid air to help reduce condensation and mould growth.

Perfect for existing homes
An excellent option where installing whole-house ventilation ductwork is not practical.

Recovers valuable heat
Helps maintain comfort by transferring heat from outgoing air to incoming fresh air.

Low-energy performance
Designed to provide continuous ventilation with low running costs.

Quiet & discreet
Operates quietly in the background without disrupting everyday life.



REC Duo 100

Specification	REC Smart +	REC Duo 100
Thermal Efficiency	Up to 75%	Up to 90%
Noise level (dBA @ 3m)*	27.7 / 39.3	15 / 29
Airflow (min / max) m3/h	27/53	12/30
Voltage	230	230
Duct length	400mm	400mm
Duct diameter	100mm	107mm
Filters	F7	G3
Remote control operation	Yes	No
Coupled installation	No	Yes

*at 3m in open field.

Ask BEAM whether single-room heat recovery is suitable for your project.



REC Smart+

Mechanical Extract Ventilation (MEV)

Beam Axco Demand Controlled Mechanical Extraction Ventilation (MEV) system



Primarily for use in dwellings with six wetrooms or fewer (dwellings up to 300m²/3200sq.ft), the quiet and compact Axco Demand Controlled Mechanical Extraction Ventilation system is usually installed in a roof space or cupboard and ducted to all wetrooms. The low energy unit runs continuously at a low normal ventilation rate, extracting stale polluted air from rooms where the most moisture is generated e.g. Kitchens and bathrooms. When higher humidity is detected (i.e. when showering) the system automatically boosts, returning to normal fan speed when humidity levels drop. A flow of fresh air from outside is supplied by a Positive Input Ventilation unit/s or window trickle vents to match the boost extract from the MEV fan.

Significant energy savings can be made as there is no need for noisy, multiple extractor fans in each wetroom which create multiple breakout points in the building, creating draughts, air leakage and heat loss. This unit comes with an Indicator Panel for system control, and a ventilation boost switch for rapid extraction. It is also much more economical to run one fan instead of multiple single fans. The high quality EC motor has a long-lasting performance, compared to low cost wall fans (some of which have a limited life cycle).

The Benefits:

- Eliminate condensation & mould growth
- No draughts from extractor fan openings
- Reduces pollutants in the home improving Indoor Air Quality (IAQ), therefore reducing the risk of Toxic Home Syndrome
- Energy efficient alternative to multiple individual extractor fans
- Removes musty odours
- Quiet in operation, no noisy extractors
- Demand Controlled, adjustable humidity sensor (between 55% & 85% relative humidity) triggers boost speed



Auralite Indicator Panel

Auralite® is a low voltage remote hard wired LED ventilation system status indicator, which allows access in living area to visible information on ventilation unit performance.

- Setback • Normal • Boost • Humidity control
- Boost overrun • Fault



Axco MEV130 AIP Extract Unit with Auralite Indicator Panel:

Exhaust Terminal Configuration*	Fan Speed Setting	Specific Fan Power (SFP)
Kitchen + 1 additional wetroom	100% Variable	0.17
Kitchen + 2 additional wetrooms	100% Variable	0.16
Kitchen + 3 additional wetrooms	100% Variable	0.17
Kitchen + 4 additional wetrooms	100% Variable	0.20
Kitchen + 5 additional wetrooms	100% Variable	0.23
Kitchen + 6 additional wetrooms	100% Variable	0.26

Figures taken from the BRE Test Results *Number of wetrooms is based on SAP Q test criteria and does not correlate directly with regulatory performance requirements.

Airflow: 128l/s @ 100 Pa

Unit dimensions: 340mm W x 252mm H x 310mm D

Decentralised Mechanical Extract Ventilation (dMEV)

The high performing Ultimate® Decentralised Mechanical Extract Ventilation (dMEV) is an ultra-quiet, low profile extract fan, suitable for new build or refurbishment projects. With its one fan fits all solutions, it is ideal for bathrooms, kitchens and utility room applications.

The fan is designed to run continuously, with adjustable continuous and boost speed settings available (Trickle, Boost and High Boost). The Ultimate® dMEV utilises an efficient DC motor and incorporates a uniquely designed impeller/guide vane combination to produce high flow rates and pressure.

The Benefits:

- Improves indoor air quality
- Ideal for reducing condensation which can lead to mould
- Boost overrun and boost delay timer that is adjustable between 0 – 60 minutes
- Easy to maintain
- Simple to monitor using its unique data logging facility
- Can be commissioned in minutes
- One of the quietest and best performing dMEV fans on the market
- Energy efficient
- Low running costs
- No need for noisy, draughty extractor fans



	Ducted in room					Through wall	
	Kitchen		Wet room			Kitchen	Wet room
Fan speed setting (l/s)	13	16	5	8	11	13	8
SFP (w/l/s)	0.15	0.16	0.21	0.15	0.15	0.11	0.14
Volume reduction with 20Pa back pressure (%)	1	2	6	5	2	1	1
Max volume reduction allowed (%)	30	30	30	30	30	30	30
Power (W)	1.89	2.52	1.07	1.23	1.6	1.47	1.13
Noise level (dBA @ 3m)	28**			19**		26**	15**

**Using 100mm diameter round duct and tested in accordance with SAP PCDB method V2.0:2013.





Demand Controlled Ventilation (DCV)

Intelligent ventilation that adapts to occupancy

Designed specifically for modern residential developments, BEAM Axco Demand Controlled Ventilation (DCV) provides intelligent, energy-efficient whole-house ventilation that automatically adapts to the needs of occupants.



Suitable for apartments, social housing schemes and multi-unit developments, the system continuously supplies fresh air to living spaces while extracting stale, moisture-laden air from kitchens, bathrooms and utility rooms. By responding automatically to occupancy and humidity levels, the system provides the right amount of ventilation when and where it is needed.

Fresh air enters habitable rooms through controllable air inlets, while a centrally located ventilation unit extracts stale air via discreet ductwork connected to wet rooms. As indoor conditions change throughout the day, intelligent sensors adjust airflow rates automatically, helping to maintain good indoor air quality while minimising energy consumption.

By ventilating on demand rather than at a constant maximum rate, the system delivers an effective balance of occupant comfort, energy efficiency and moisture control, making it an ideal solution for modern housing developments seeking compliance, performance and long-term sustainability.

The Benefits:

- Intelligent ventilation that automatically responds to occupancy and humidity levels
- Ideal for apartments and multi-housing developments
- Improved indoor air quality and occupant comfort
- Helps reduce condensation, damp and mould growth
- Energy-efficient operation with reduced heat loss
- Low running costs
- Quiet, unobtrusive performance
- Centralised whole-house ventilation solution
- Supports compliance with modern building regulations
- Low maintenance and simple commissioning



Ventilation unit



Fresh air vent



Extraction valve

Positive Input Ventilation

Fresh, filtered air for a healthier home



With improved building features in our homes, such as cavity wall and room insulation, double glazing and draught proofing ‘natural ventilation’ is reduced. Stale air is trapped causing streaming windows and high moisture which ultimately leads to musty smells, dampness and mould growth.

A Positive Input Ventilation (PIV) system provides a simple and effective way to improve indoor air quality while helping to tackle condensation and mould.

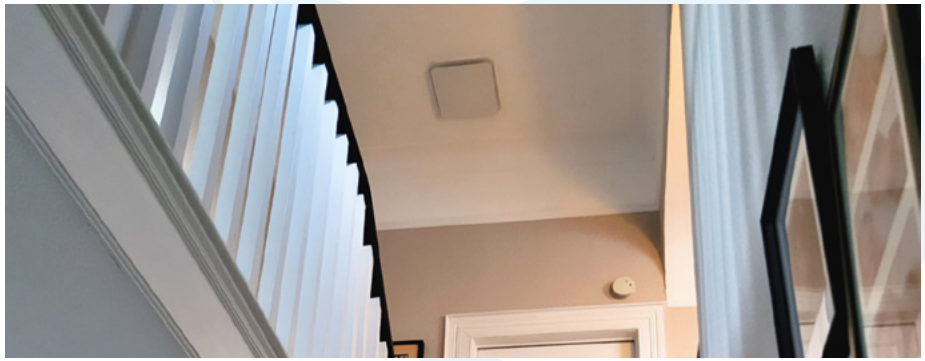
The system works by gently introducing fresh, filtered air into your home from a central location. This continuous supply of air helps dilute and displace stale, moisture-laden air, encouraging it to leave the property through natural leakage paths and existing extract points.

Ideal for both new and existing homes, PIV systems help create a fresher, more comfortable living environment while reducing the conditions that allow condensation and mould to develop.

Why choose a PIV System?

- **Condensation & mould control**
  By reducing excess moisture in the air, a PIV system helps minimise condensation on windows and surfaces, reducing the conditions that lead to mould growth.
- **Fresher indoor air**
  Fresh, filtered air is continuously supplied to the home, helping to remove stale air, everyday odours and airborne pollutants.
- **Improved comfort**
  Continuous air movement helps create a fresher and more comfortable indoor environment throughout the year.
- **Energy efficient operation**
  Powered by a low-energy EC motor, the system operates continuously with minimal energy consumption.
- **Allergy friendly**
  The G4 long-life filter helps reduce airborne particles such as pollen and dust, contributing to improved indoor air quality.
- **Suitable for existing homes**
  A PIV system can often be installed with minimal disruption, making it an ideal solution for homes affected by condensation and mould.
- **Radon dilution**
  In areas affected by radon gas, a PIV system can help dilute indoor concentrations as part of an overall radon reduction strategy.

Renovating or dealing with condensation?
Contact BEAM to discuss your home.



BEAM Axco PIV specifications

Energy-Efficient by Design

Axco PIV units feature a highly efficient EC motor designed for low running costs and dependable long-term performance.

By providing continuous ventilation without relying on opening windows, the system helps maintain indoor comfort while managing excess humidity. There is also no need for trickle / window vents if dwelling air tightness level is above Level 5. (Local building regulations may apply).

Smart Filtration

A long-life G4 filter helps remove airborne particles such as dust and pollen before air is introduced into your home, contributing to cleaner indoor air and improved comfort.

Integrated Pre-Heater

Designed to temper the incoming air during periods of low external temperatures to prevent the air falling below 10°C. Automatically controlled by an integrated temperature sensor, it maintains a minimum supply air temperature while operating efficiently and only when required. Available on both loft and wall-mounted units, the pre-heater also incorporates multiple safety protection features and can be independently enabled or disabled as required.

Integrated Hours Run Meter

The integrated Hours Run Meter provides a convenient record of the unit's operational life, making it easier to monitor usage and plan maintenance. The meter retains its reading during power interruptions and automatically resumes counting when power is restored.

Advanced Wireless Controller Option

Available for Loft Mounted units, the optional wireless control displays unit settings, including Boost, Auto and Trickle Modes.



Ceiling Air Diffuser



Exclusive to BEAM, our fully adjustable 4-sided opening modern slimline ceiling air diffuser distributes air evenly, without causing draughts. In a smoothflow, easy clean white uPVC, the ceiling diffuser is suitable for most valve locations including close proximity to smoke alarms (as one side of the diffuser can be closed).

Loft Mounted PIV



Ideal for homes with suitable loft space, drawing filtered air from the loft area and gently distributing it throughout the property.

Wall Mounted PIV



A practical solution for apartments, flats and homes without accessible loft space.

Air-Source PIV



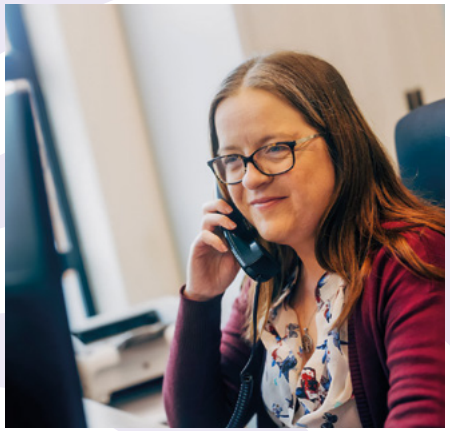
Designed for properties with small or unventilated lofts, with the ability to draw fresh air directly from outside when required.

Specification	Speed	Loft PIV	Wall PIV	Air-Source PIV
Airflow[1]	Trickle	19	9	23
Airflow[1]	Boost	47	20	46
Watts	Trickle	3.03	3.4	3.2
Watts	Boost	9.76	6.1	8.0
Specific Fan Power SFP[1]	Trickle	0.15	0.39	0.14
Specific Fan Power SFP[1]	Boost	0.20	0.30	0.17
Dimensions W × H × D (mm)	—	325 × 415 × 330	505 × 380 × 185	515 × 576 × 481
Integral comfort pre-heater	—	Yes	Yes	Yes
Integral G4 filter	—	Yes	Yes	Yes
Square ceiling valve 300 × 300 × 30 mm	—	Yes	Yes	Yes

From your plans to everyday comfort







The earlier conversations take place, the easier it is to coordinate your systems with the rest of the build. Speak to BEAM or one of our Approved Distributor Partners before first fix.

Tell us about your home
Share your plans, project stage and the features that matter to you.

Receive your tailored proposal
The building layout will be assessed and the recommended systems and installation options will be explained.

Coordinate the installation
Whether you plan to install the system yourself or would prefer installation by an experienced BEAM Engineer or Approved Distributor Partner, we will guide you on the best stages of your build to install the system, ensuring everything is completed at the appropriate time.

Commission and hand-over
Ventilation airflow is checked and balanced and you will be shown how to use and care for your installed systems.

Customer service always available
After-sales advice, product support and maintenance guidance is guaranteed.

House already under construction? Get in touch now.

See what BEAM can bring to your home

Choosing the right systems for your home is easier when you can see them in everyday use. From retractable hose systems and discreet wall inlets to ventilation controls and airflow solutions, seeing a BEAM system first-hand can help bring your plans to life.

- **Arrange a visit to the showroom in our head office**
  Explore our range of central vacuum and ventilation systems and speak with our experienced team about your project. We'll help you understand the options, answer your questions and recommend solutions that suit your home.



- **Hear from homeowners**
  Read customer reviews and learn why homeowners across Ireland and the UK have chosen BEAM for their homes. Discover how central vacuum and ventilation systems have become part of everyday living, delivering convenience, comfort and peace of mind.

- **Trusted by thousands since 1977**
  With more than 90,000 installations across Ireland and the UK, BEAM's experience spans new builds, renovations and existing buildings of every size.

> "I have had a Beam vacuum system for 25 years and would have no hesitation in recommending it to all. It is ideal for those with allergies or asthma as all dust is removed through suction and no particles are left in the house."
>
> *M Martin, Co. Armagh*

> "With MVHR there's constant fresh air, the house never feels stuffy and there's no smells."
>
> *A Morley, Co. Mayo*

> "I would describe BEAM as friendly, knowledgeable and trustworthy."
>
> *F Magee, Co. Down*





Get in Touch

Give the comfort of your home the attention it deserves.

Whether you are building a new home, renovating or improving an existing property, BEAM can help you create a healthier and more comfortable living environment with expertly designed ventilation and central vacuum systems.

Send us your plans and we'll prepare a tailored proposal for your project. With our experienced team and nationwide network of Approved Distributors, professional advice and support are always close at hand.

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