Beam Heat Recovery Ventilation Mini Guide

Created by the Beam Team with you in mind.

beamcentralsystems.com

BEAM
Vacuum & Ventilation

Contents

Introduction

Welcome to this quick guide to a Beam Heat Recovery Ventilation System.

This easy-to-read booklet will help give you an idea of exactly how beneficial a Heat Recovery Ventilation system is for your home – and your health!

If you have any questions contact our team and we will be happy to help.

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Why Ventilate Your Home?

Effective energy efficient ventilation is an essential element in the design and construction of airtight new homes and buildings.

Improves indoor air quallity

Mechanical ventilation systems provide whole home ventilation, preventing issues such as poor indoor air quality, condensation and mould growth.

Essential for Airtight homes

New energy-efficient airtight homes require a planned ventilation approach to ensure a balance between energy efficiency and indoor air quality.

Health Benefits

Our mechanical ventilation systems help provide clean, fresh, filtered indoor air, providing benefits to your health and home.

Energy Savings

Energy used for heating accounts for 53% of all energy use in the home – of this 80% is lost through ventilation. An MVHR system can help recover up to 92% of this energy.

What is Heat Recovery Ventilation?

Considered to be the most energy-efficient method of ventilating a dwelling, a Heat Recovery Ventilation System consists of three main elements:

1. A low energy ventilation unit typically located in the roofspace/utility/plant room
2. A network of quality insulated rigid ductwork
3. Discreet supply & extraction ceiling valves in each habitable room

How It Works

1. The heat recovery unit continuously extracts moist, stale, warm air from wetrooms and filters it back through the ventilation unit

2. The incoming air passes through filters within the unit to remove pollutants and insects

3. The air then passes through the unit's heat exchanger, where the heat from the extracted air is transferred to the fresh incoming air

4. This warm, clean, fresh filtered air is then distributed around the home via ceiling valves in living / bedroom areas

Click here to watch the video: Beam Heat Recovery Ventilation

Benefits of a Heat Recovery Ventilation System.

Enjoy benefits to your health and your home with a BEAM Heat Recovery Ventilation System

1. Best for airtight homes

Heat Recovery Ventilation is usually the preferred ventilation method in airtight homes as it can recover up to 95% of the heat normally lost via traditional ventilation.

2. Helps cut down fuel bills

By transferring the heat from the extracted air to the fresh incoming air, the heat recovered can off-set the heating costs and will reduce fuel bills.

3. Health benefits for you & your family

Provides constant clean, warmed, fresh, filtered air throughout the home and helps reduce symptoms for asthma and allergy sufferers.

4. Reduces/Eliminates Condensation

Low-energy continuous ventilation helps remove musty odours and eliminates issues arising from poor ventilation, such as condensation and mould.

Click here to watch the video: MVHR from BEAM in a nutshell

Product Range

Get in touch to find which system is suitable for your home.

AXCO Counterflow MVHR Range

Manufactured in the UK and Energy Saving Trust (EST) Best Practice Compliant, our advanced C-Range MVHR units are suitable for all home types, providing high airflow capability.

- Low power consumption
- Up to 92% efficiency
- VentSMART App enabled

AXCO HERU MVHR Range

Designed and built in Sweden, this exclusive award-winning Rotating Heat Exchanger technology offers low energy, high-efficiency performance.

- Large Surpface F7 Pollen Filters
- Up to 86% efficiency
- Intelligent IQ Control System & APP

Passive House MVHR Range

Manufactured by Dantherm Air Handling, these units feature the latest energy saving technology and are certified by the PassivHaus Institute.

- Certified component for Passive House
- Up to 95% efficiency
- Integrated humidity sensor

Installation of a Beam Heat Recovery Ventilation System

All systems are designed and installed by our fully qualified BEAM team. Our systems can also be purchased on a supply-only basis for DIY installation.

Plan Ahead

A ventilation strategy is essential for every new home and should be discussed at design stage.

Installation - block build

- Heat recovery ventilation installation begins when the roof is complete, windows and external doors are in
- Allow a void space of 100mm - 150mm below the concrete slab for duct system
- Ducting should be laid before any other services are installed below the concrete slab and before metal grid/timber baton ceiling is erected

Installation - timber frame build

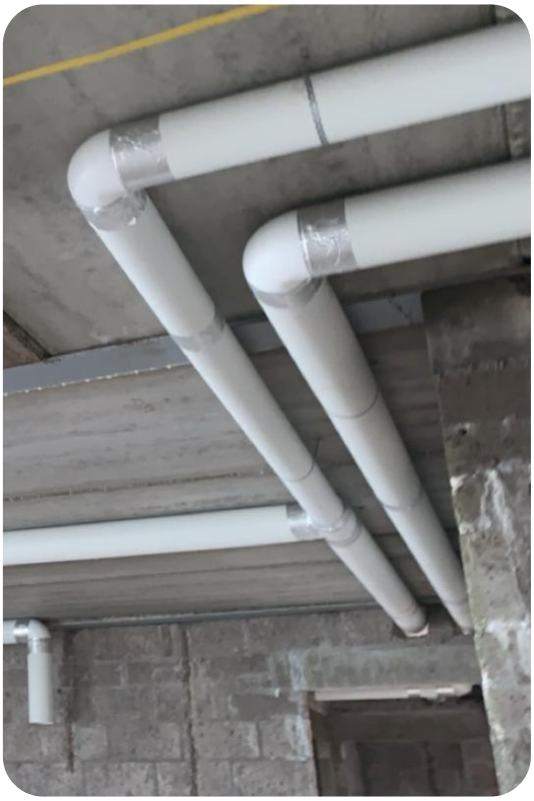
- Heat Recovery Ventilation installation begins when the roof is complete, windows and external doors are in
- Timber partition walls and floors must be in place
- Ducting should be laid before any other services are installed

Ventilation Ducting System

One of the most important aspects of a well planned Heat Recovery Ventilation system is the ducting type, design and the quality of installation

- All Beam Heat Recovery Ventilation Systems are installed using smoothflow rigid ducting throughout, providing better heat efficiency, lower energy use and a quieter system.

- Solid ducting is resistant to crush damage during construction and thereafter can be cleaned and maintained if required.



- Our expert installers only use precision engineered metal and plastic ducting, fitting and silencers mechanically fastened and sealed at every joint for air-tightness.

- Should you decide to install a system from Beam on a DIY basis, we provide design layout, commissioning and support throughout the installation.

What our customers have to say...

75,000+ customers across the UK & Ireland trust BEAM. But don't just take our word for it....

Mr Magee

"The Heat Recovery Ventilation unit is brilliant. It leaves a freshness in the house. There's no condensation, no draughts and I have saved on my heating bills." **Read More ›**

Mrs Speers

"Our house never feels stuffy and in 2 and a half years I have never needed to open a window to let fresh air in. The improved air quality is great for people who suffer from asthma like Alex." **Read More ›**

Mrs McSorley

"We had not originally budgeted for Heat Recovery Ventilation but we figured it was well worth it as we had spent good money on insulation and a heating system - we are delighted with it and would highly recommend!" **Read More ›**

Mr & Mrs Kirkpatrick

"At planning stage we thought about everything we wanted to put into our self-build and both the BEAM Vacuum and Heat Recovery Ventilation systems were pretty much at the top of that list!"
Read More >

Mrs Wright

"Our Heat Recovery Ventilation system provides us with clean, fresh, warmed filtered air into our airtight home 24 hours a day and removes any moist stale air."
Read More >

Mrs Stewart

"We have no extractor fans in the bathrooms, instead using the ventilation system. The house just always smells fresh - as if the windows have been left open."
Read More >

Click here for more BEAM Mechanical Ventilation Projects and what our customers have to say.

Speak to our team of Experts now

As the UK and Ireland's leading supplier of central vacuum and mechanical ventilation systems, we provide:

- 40+ years of experience, knowledge and expertise
- Innovative, high quality products at value for money
- Professional nationwide sales, service and installation
- Quality accreditation through ISO 9001, 14001 and 45001
- No quibble written money back guarantee

To request a quotation, get advice or for further information, please get in touch via our online contact form.

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