

Heat Recovery

What is heat recovery and how does it work?

As building efficiency is improved with wall and loft insulation, draught proofing and double glazing, buildings are becoming more air tight and are consequently less well ventilated.

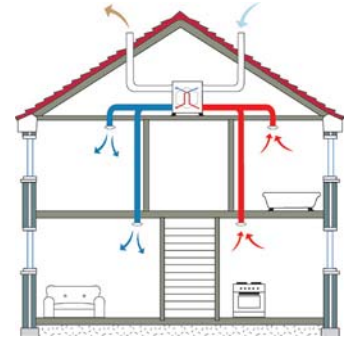
Good ventilation is vital to our health and the fabric of our homes. Opening windows is one option, however this is not the best solution due to security risks and loss of heat and energy in colder months.

To solve these problems, heat recovery ventilation can provide fresh filtered air, energy efficiency and a comfortable all year round climate for your home. Stale, moist air is extracted out of the wet rooms of a home. These include the kitchen, bathrooms, utility and en-suite rooms.


This moist air is then ducted to a central unit located normally in the loft space in a house or in a utility room or cupboard in an apartment. This extracted air passes over a heat exchanger before being ducted to outside. Simultaneously, fresh air is drawn into the unit from outside, and is warmed by the high efficiency heat exchange cell. This tempered, fresh air is then delivered through supply vents into the living, dining and bedroom areas. This constant supply of clean, tempered air into the property creates a healthy and ideal environment, maintaining stable humidity levels, free from condensation and mould.

Sufferers of asthma, house dust mite populations and other respiratory problems should find this method of ventilation significantly beneficial.

System Four
Mechanical Ventilation with Heat Recovery (MVHR)



Our Heat Recovery Range

	 energiVent® Q	 energiVent® FLOW	 energiVent® Impact	 HRQ
				
Type	Domestic	Domestic	Commercial	Domestic
Application	Loft	Wall / Loft	Wall	Wall / Loft
Suitability	Whole House	Whole House	Single Room	Whole House
Summer By-Pass	Yes	Yes	No	Yes
Efficiency	86-88%	89-90%	≥73%	84-86%
SAP Appendix Q Eligible	Yes	Yes	N/A	Yes
Guarantee	5 Years	5 Years	5 Years	5 Years
Page Reference	41-44	45-48	49-50	51-53



Did you know that we now sell an extensive range of stylish heated towel rails?



The Lifetime Range® is designed for a sustainable future.



Turn to previous page to view our extensive Lifetime Range® product matrix which outlines all the key features and benefits of each product.

[What is Heat Recovery?](#)