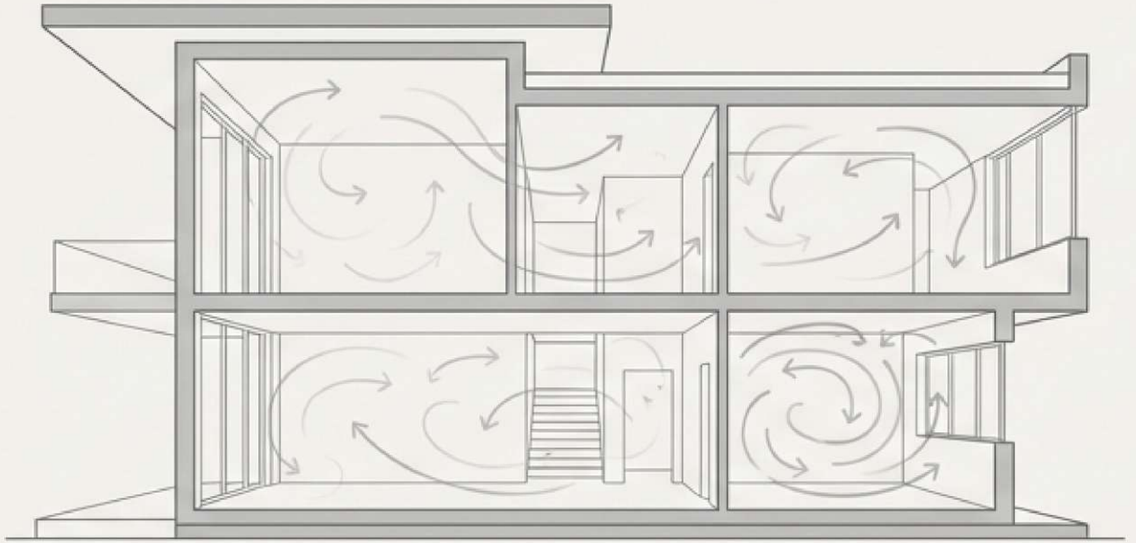
The Modern Home’s Dilemma

Achieving Health and Efficiency with Heat Recovery Ventilation

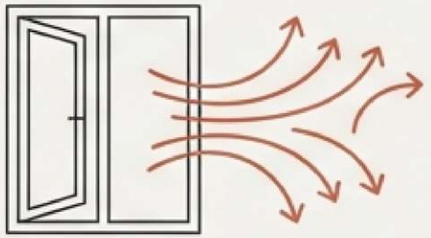
We've Sealed Our Homes for Efficiency, But We've Trapped a Problem Inside.

Modern homes are built to be sealed and energy-efficient, which is great for insulation but creates an unexpected problem: they trap stale air.

Without proper ventilation, pollutants, allergens, and excess humidity build up, impacting both comfort and health.

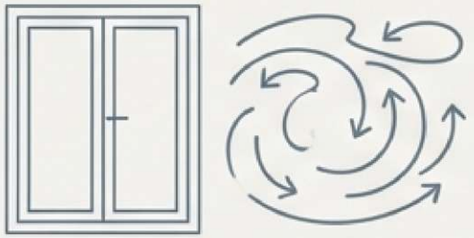


Open a Window



You let in fresh air, but you let out the heat you've paid for, wasting energy.

Keep it Closed



You conserve energy, but you compromise the health and comfort of your indoor environment.

There is a way to have both: Fresh air and energy efficiency.

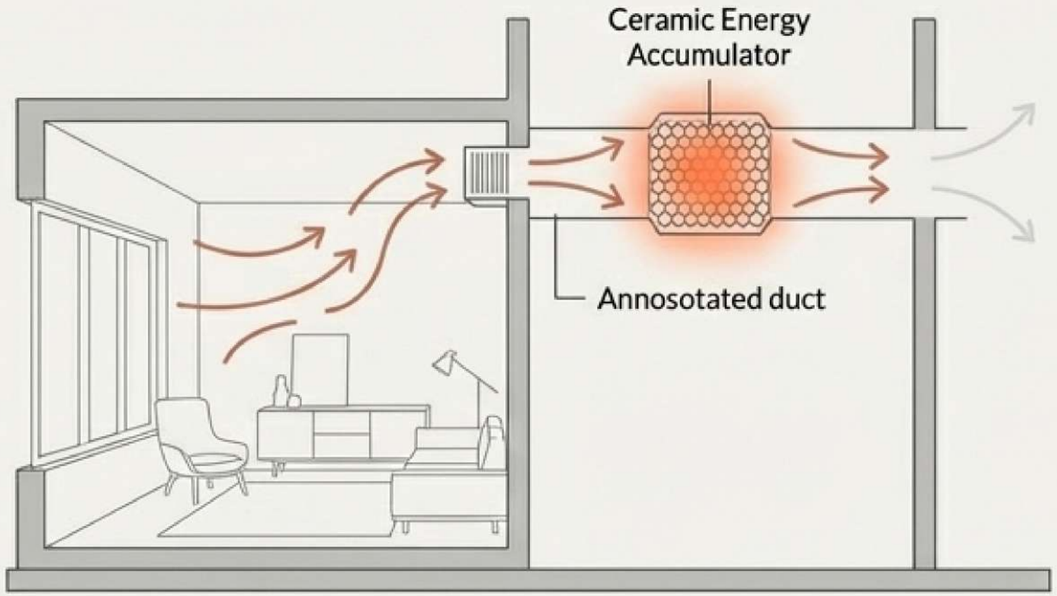
Heat Recovery Ventilation (HRV) is an innovative solution to this modern dilemma.

Swap the air, but keep the heat.

An HRV system continuously removes stale, humid air and replaces it with fresh, filtered air from outside, all while recovering the thermal energy that would otherwise be lost.

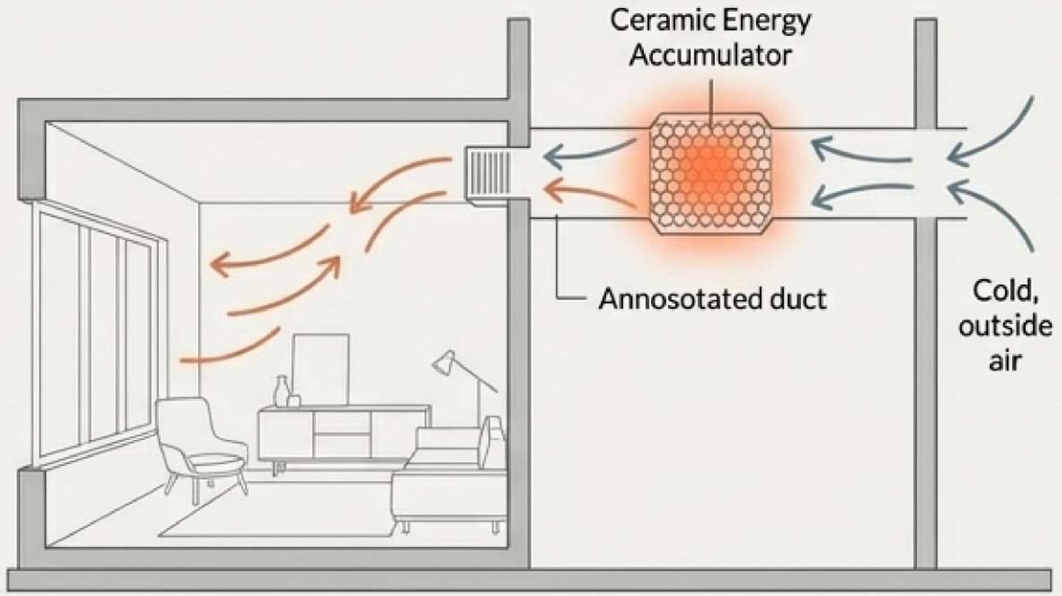
The Principle of Heat Recovery: A Continuous, Intelligent Exchange.

1. Exhaust Cycle (Winter)



1. Warm, stale indoor air is pushed out, heating the ceramic accumulator.

2. Intake Cycle (Winter)



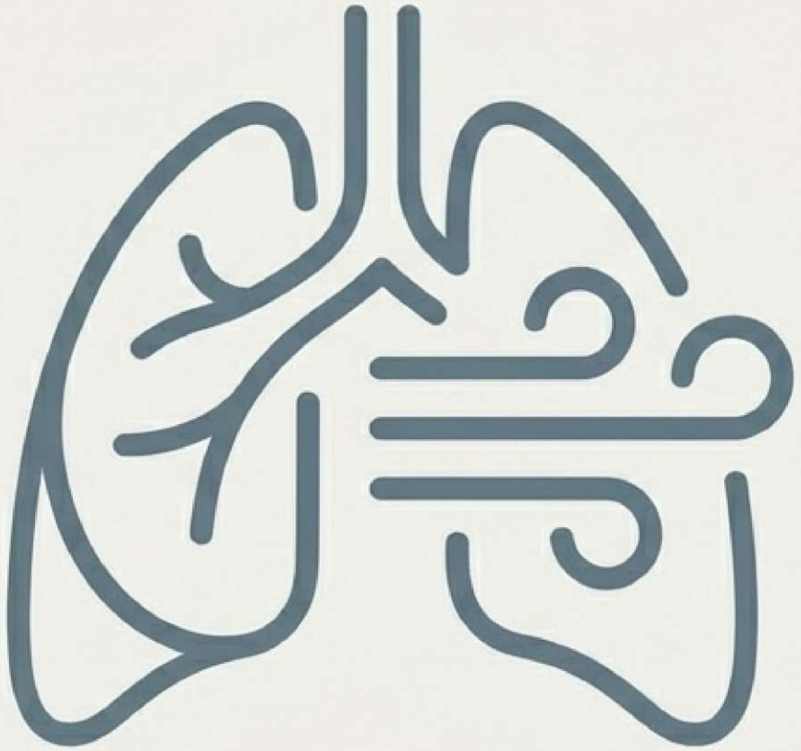
2. Cold, fresh outside air is pulled in through the warmed accumulator, recovering the heat before it enters your room.

Benefit 1: Save Energy & Reduce Heating Costs.

By minimizing heat loss caused by ventilation, an HRV system significantly reduces the workload on your home's primary heating system.

Incoming fresh air is pre-heated, so your furnace or boiler doesn't have to work as hard to maintain your desired temperature.

This energy saving translates directly into lower utility bills and a more efficient building.



Benefit 2: Breathe Purified, Healthy Air.

The system dramatically improves indoor air quality by constantly supplying fresh, purified air, reducing indoor pollutants and allergens.

G3 Filters (Standard)	F8 Filter (Optional Upgrade)
Provides basic air purification for standard needs, capturing larger dust particles.	For superior air quality. This advanced filter **removes up to 99% of PM2.5 particles**, creating a significantly healthier indoor space.

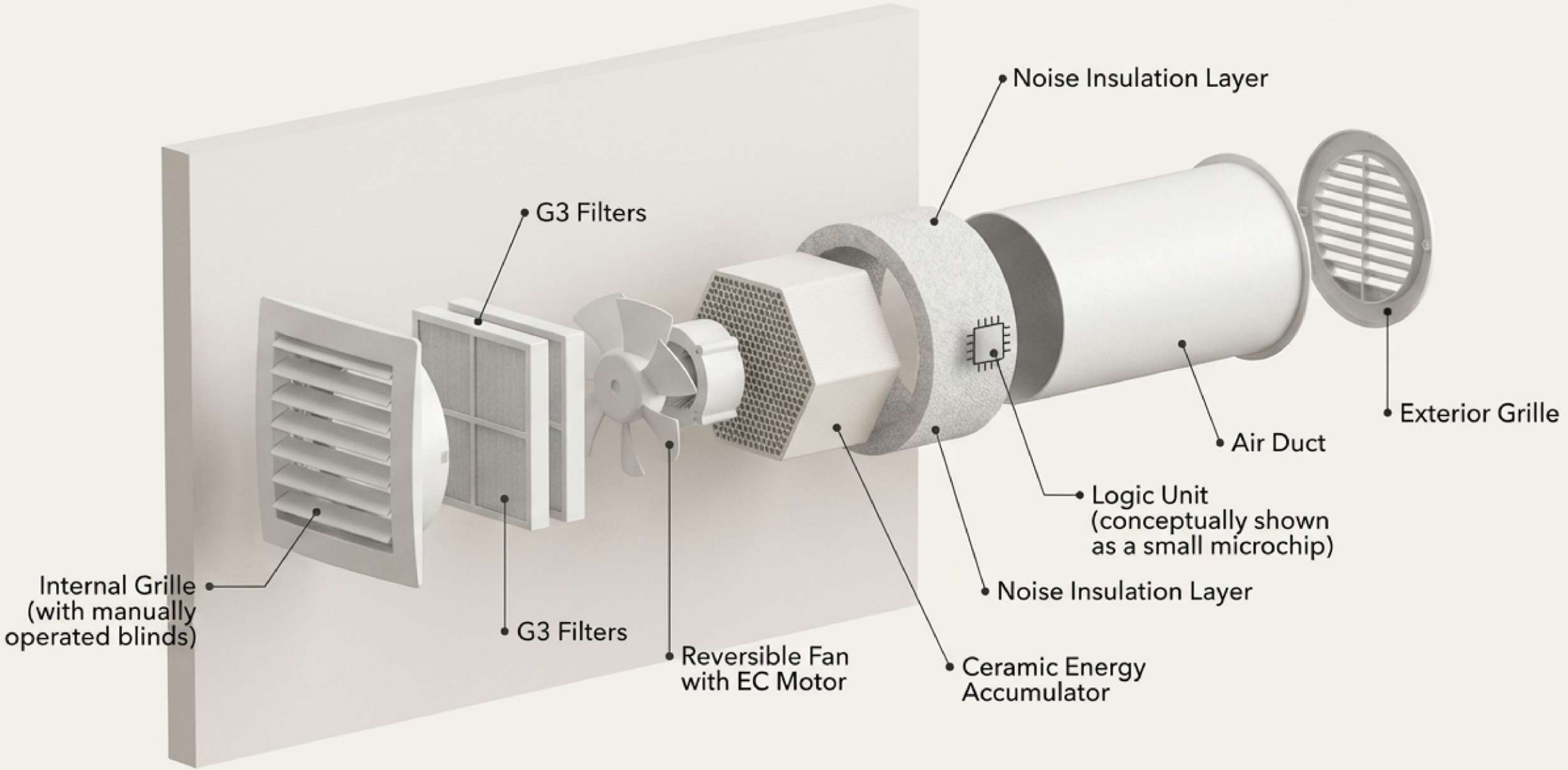
Benefit 3: Control Your Ideal Microclimate.

An HRV system gives you greater control over your indoor environment, creating a more comfortable and stable microclimate.

Humidity Control: Regulates humidity and air exchange, preventing the stuffy, damp conditions that arise in tightly sealed homes.

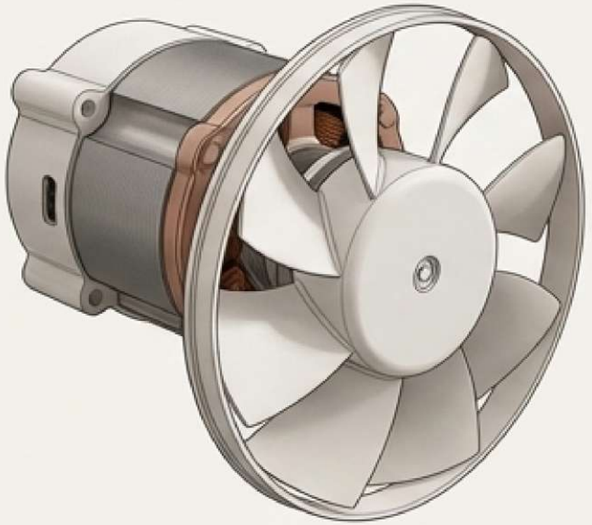
Noise Reduction: By providing ventilation without opening windows, the system naturally reduces noise from outside. A built-in **Noise Insulation Layer** further ensures quiet operation.

Making it Real: The Anatomy of the LEVFILTER 30 ECO. ventilaton.



The Core Technology: Engine and Heart of the System.

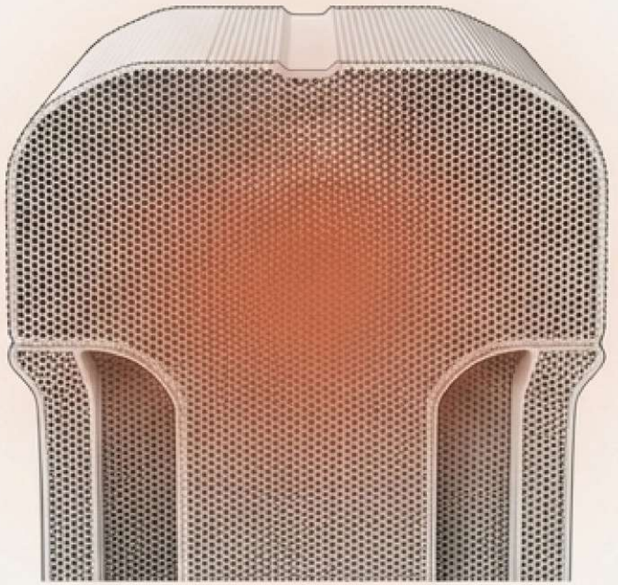
The Engine



Reversible Fan with EC Motor

The high-efficiency EC motor powers the fan, which alternates direction to intelligently manage the cyclical intake and exhaust of air. This is the active component that moves air.

The Heart



Ceramic Energy Accumulator

This ‘energy regenerator’ is the core component for energy savings. It captures heat from outgoing air and transfers it to incoming air, minimizing heat loss.

The Command Center: Intuitive and Safe Operation.

Intuitive Interface

Controls the unit's operating mode with simple, touch-sensitive sensor buttons.

Scalable Management

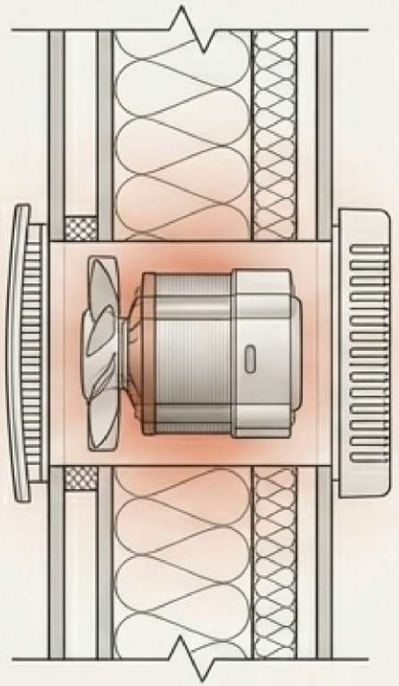
A single control panel has the capacity to manage and synchronize up to two separate ventilator units.

Enhanced Safety

The system operates on a safe, **low voltage (12 V)** connection between the control panel and the ventilator units.

Simple Integration and Scalable Coverage.

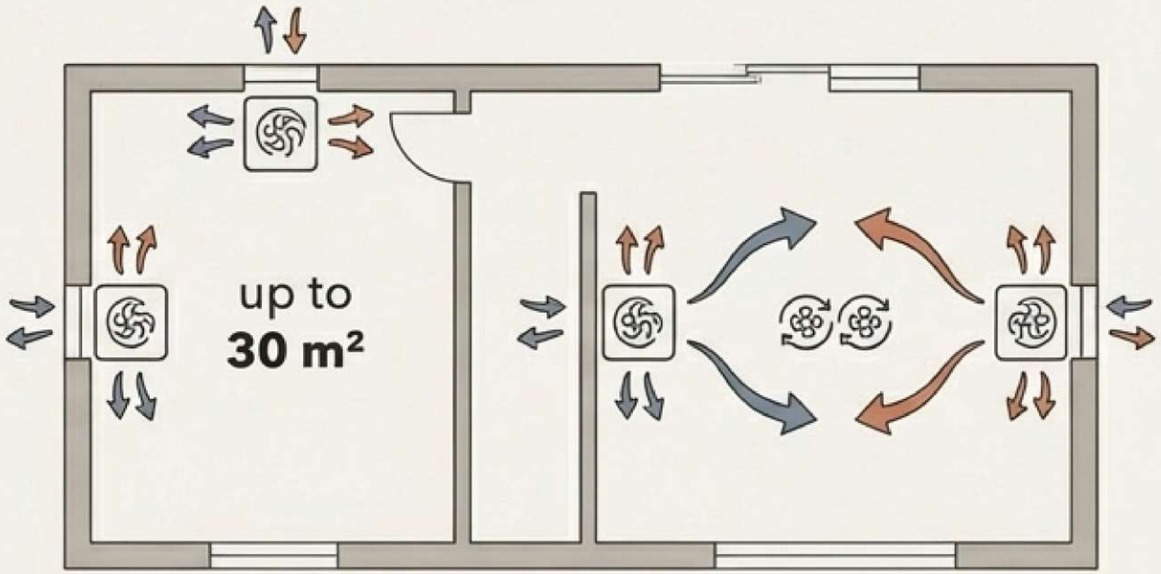
Installation



Mounting

Designed for easy installation through a prepared hole in an exterior wall of the building. Suitable for new construction and retrofits.

Coverage



One LEVFILTER 30 ECO unit is sufficient to ventilate a room up to **30 m²**.

For larger spaces, two or more units should be installed.

The LEVFILTER 30 ECO: A Synthesis of Performance.

Energy Efficiency

Efficient supply arrangement saves energy while providing continuous ventilation.

Air Purification

Standard G3 filters with an optional F8 upgrade that removes up to 99% of PM2.5 particles.

Heat Recovery

Engineered to minimize heat loss that typically occurs during ventilation.

Controlled Microclimate

Regulates humidity balance and air exchange for individual comfort.

Noise Protection

Integrated design and insulation layer reduce noise intrusion from the outside.

More Than a Device; A Fundamental Upgrade to Your Living Environment.

A Heat Recovery Ventilation system addresses the core challenges of modern, tightly sealed homes by providing a continuous supply of fresh, filtered air while conserving energy.
It is a direct investment in a more comfortable, healthier, and energy-efficient home.

This is a smart solution that saves money on utility bills while creating a superior indoor environment for your family, employees, or tenants.

An investment in health, comfort, and efficiency.

The LEVFILTER 30 ECO integrates three critical benefits into a single, high-performance system: significant energy savings, a demonstrably healthier indoor environment, and enhanced occupant comfort.

Help Us Help You

Innovation in Protection.

The information provided is based on extensive practical experience and laboratory testing.
We recommend practical tests to ensure compatibility for each specific application.

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