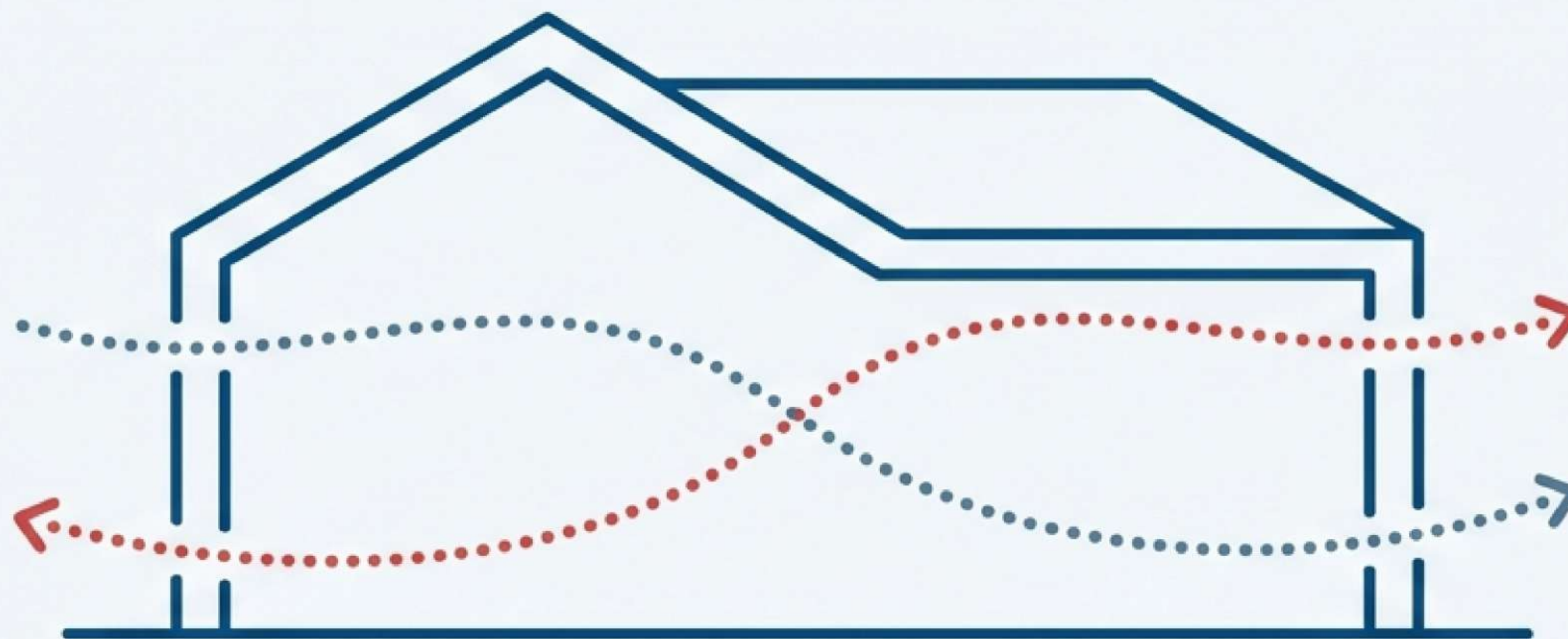


The Intelligent Lungs for the Modern Home

An Introduction to the LEVFILTER ECO 220 Heat Recovery Ventilator



Modern homes are built for efficiency. But true efficiency requires intelligent breathing. The LEVFILTER ECO 220 provides a continuous supply of fresh, filtered air without the energy penalty, creating an environment that is healthier, more comfortable, and more cost-effective.

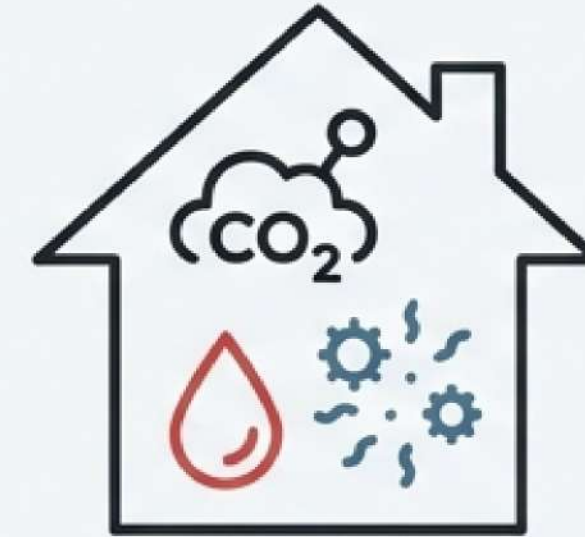
The Modern Home Dilemma: Airtight Efficiency vs. Indoor Air Quality

The Goal: Energy Efficiency



We build increasingly airtight homes to conserve energy. This is excellent for reducing heating and cooling costs, sealing our living spaces from the outside.

The Unintended Consequence: Trapped Air



This same airtightness traps stale air, humidity, and indoor pollutants. Simply opening a window provides fresh air, but it's throwing away the energy we've used to heat or cool the space.

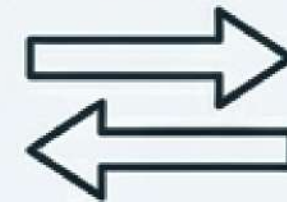
The Solution: Intelligent Ventilation Without Compromise



The LEVFILTER ECO 220 is an advanced air handling unit engineered to resolve this conflict. It functions as a highly efficient 'lung' for the home, providing a continuous supply of fresh, filtered air while recovering the valuable energy from the air you exhaust. It delivers superior indoor air quality and significant energy efficiency—simultaneously.



Heat & Humidity Recovery:
Minimizes thermal loss.

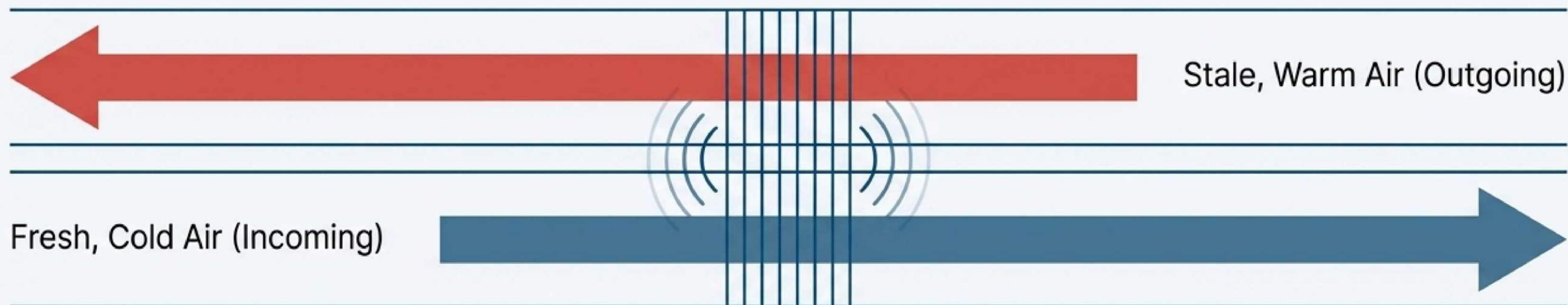


Controlled Air Exchange: Creates an optimal indoor microclimate.



Advanced Air Filtration:
Delivers clean, purified air.

The Core Principle: A 'High-Five' for Air



At the heart of the LEVFILTER ECO 220 is a counterflow heat exchanger. Think of it as two hallways where outgoing stale air and incoming fresh air pass each other without ever mixing. As they pass, the warmer air stream transfers its thermal energy to the cooler one.



In Winter:

Warm, stale air pre-heats the cold, fresh air.



In Summer:

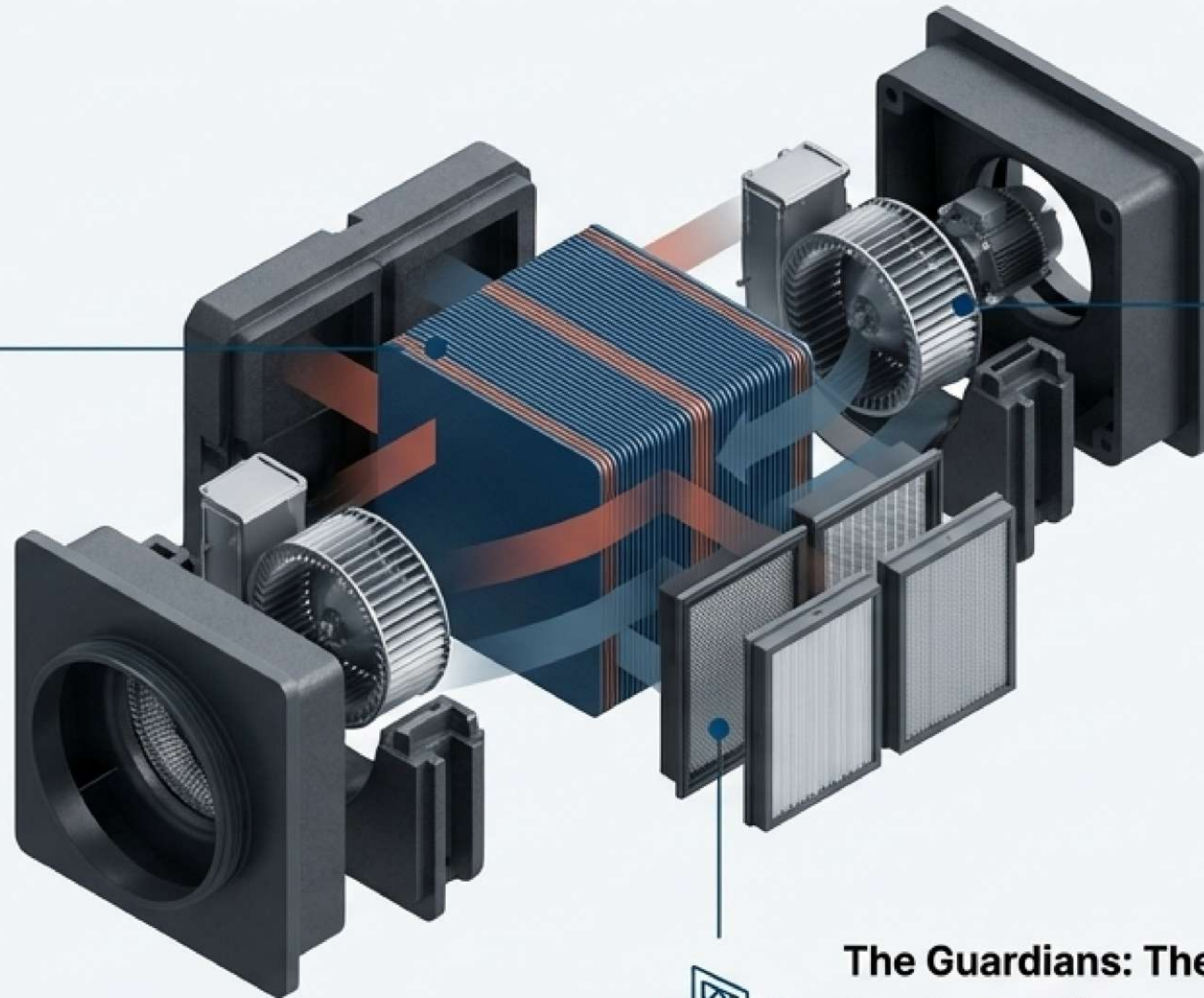
Cool, exhaust air pre-cools the hot, fresh air.

A Look Inside: The Components of High Performance



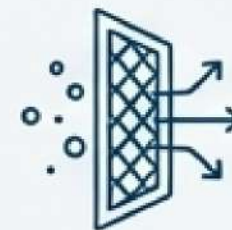
The Heart: The Heat Exchanger

A counterflow heat exchanger made of polystyrene, achieving 86% to 98% thermal efficiency. It is housed in an insulated Expanded Polypropylene (EPP) shell.



The Lungs: The Fans

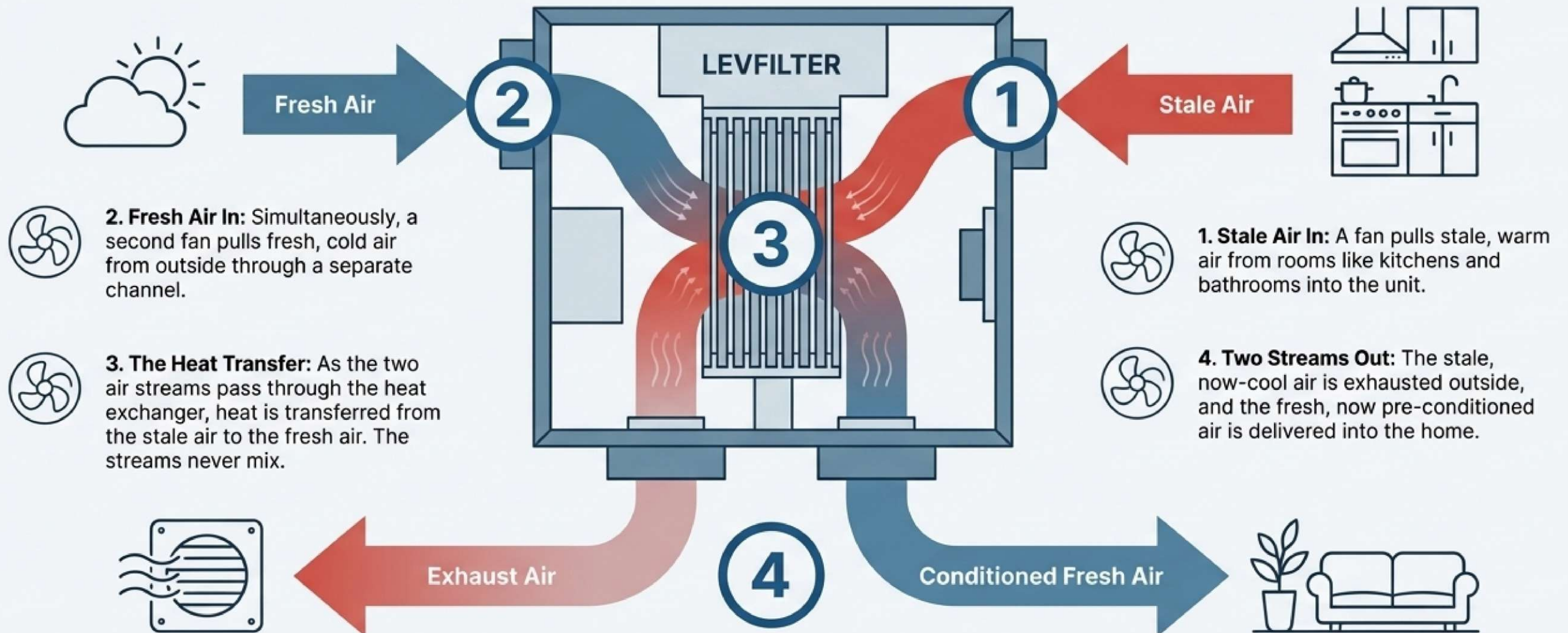
High-efficiency, electronically commutated (EC) motors power backward curved centrifugal impellers to optimize airflow, ensuring quiet and energy-saving operation.



The Guardians: The Filters

A multi-stage filtration system ensures air purity. A combination of F7 and G4 filters cleans supply air, while a G4 filter protects the unit's internal components.

The Four-Step Airflow Journey



The Payoff: Tangible Results for the Modern Home

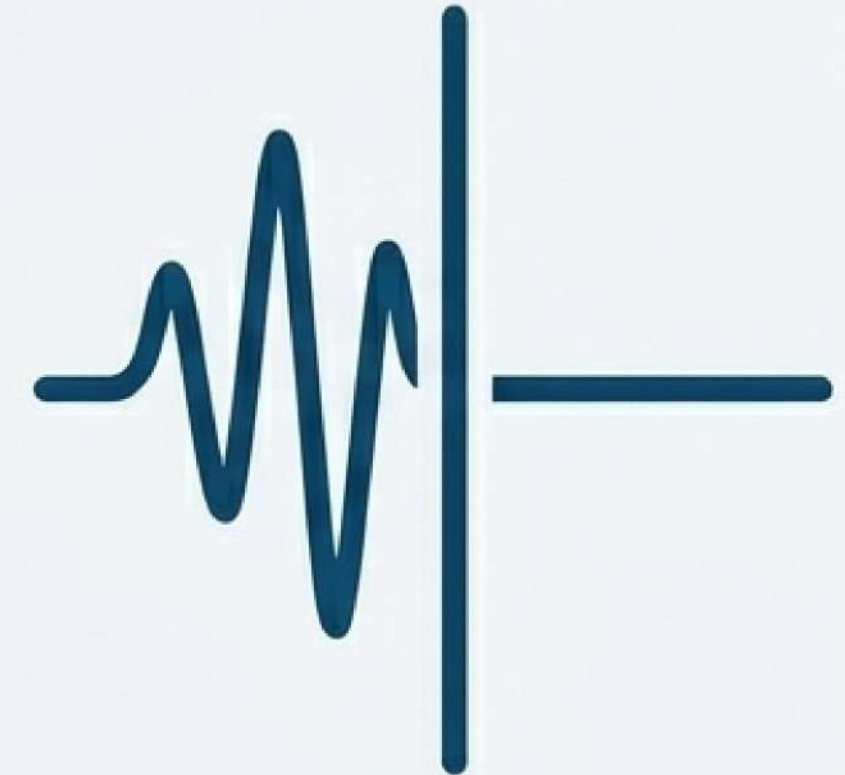
This elegant process delivers three primary advantages that improve a home's environment, efficiency, and comfort.



**Unparalleled
Energy Savings**



**A Healthier,
Cleaner Home**



**Engineered for
Peace & Quiet**



Turn Wasted Heat into Real Savings

98%

Maximum Heat Recovery Efficiency

The LEVFILTER ECO 220 recovers and reuses up to 98% of the thermal energy from outgoing air. This drastically reduces the load on your heating and cooling systems, translating directly into lower monthly utility bills.

A / A+

Energy Efficiency Class

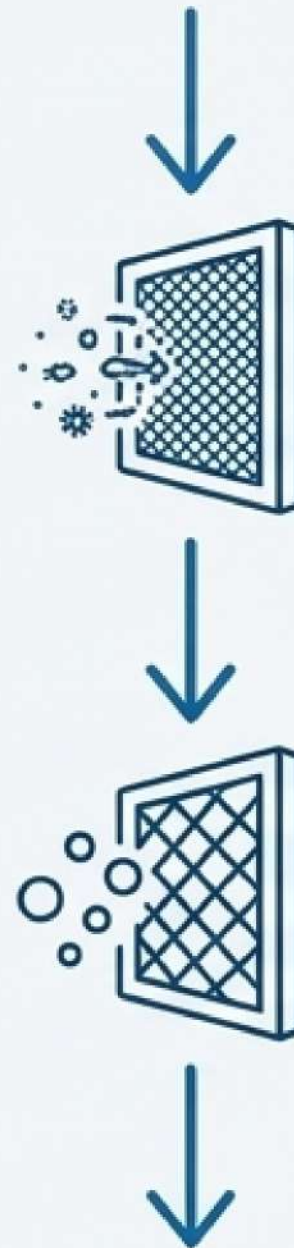
Powered by a high-efficiency EC motor, the unit minimizes power consumption, making it a smart financial investment that pays for itself through sustained energy savings.



Breathe Cleaner, Live Healthier

A robust, multi-stage filtration system ensures the fresh air entering your home is not only temperature-controlled but also significantly cleaner.

Supply Air Filtration



F7 Filter

Captures fine particles like pollen, mold spores, and other allergens.

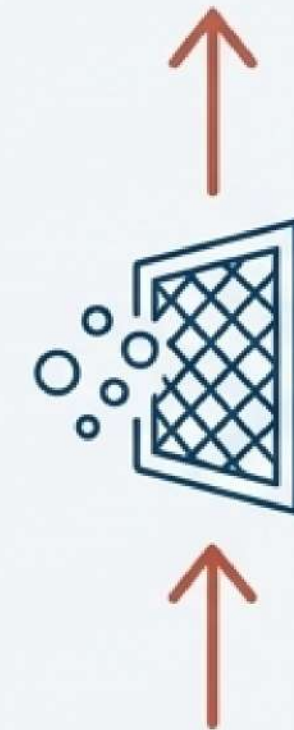
A fine-mesh tea strainer for your air.

G4 Filter

Catches larger particles like coarse dust and insects.

A standard colander.

Extraction Air Filtration



G4 Filter

Cleans stale air on its way out to protect the unit's core components from dust and grease buildup, ensuring long-term performance.

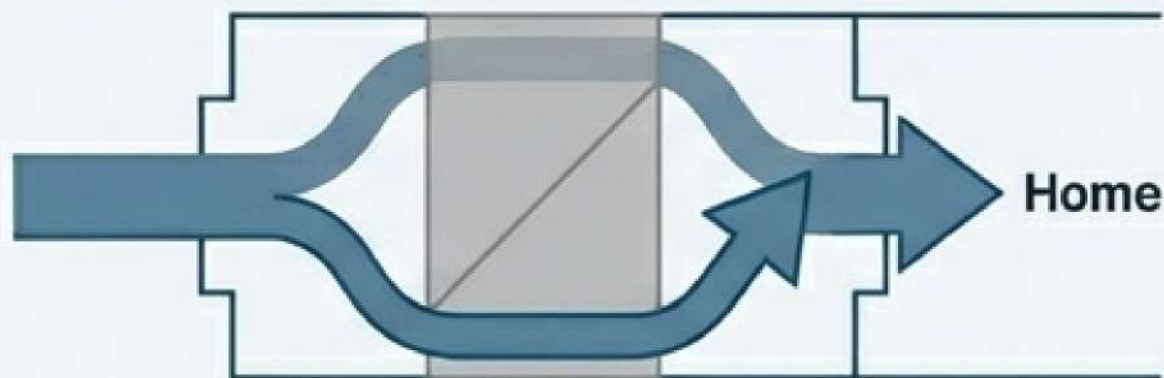


Engineered for Peace & Quiet

33 dBA

Sound Pressure Level at 3 meters

Enjoy powerful ventilation you'll feel, but not hear. The system operates at a remarkably low noise level thanks to its high-efficiency EC motor and acoustically insulated Expanded Polypropylene (EPP) housing.



Feature Spotlight: The Smart Bypass

An Express Lane for Cool Air

On cool summer nights, the integrated bypass automatically routes refreshing outside air directly into your home, skipping the heat exchanger to provide natural, energy-free cooling.

The LEVFILTER ECO 220 Advantage at a Glance



Unparalleled Efficiency

Recovers up to 98% of thermal energy to dramatically lower your utility bills.

98% Efficiency | A/A+ Rating



A Healthier Home

Delivers a continuous supply of purified fresh air with advanced F7 filtration.

F7 & G4 Supply Filters



Quiet Comfort

Provides powerful ventilation without the noise, operating at just 33 dBA.

33 dBA | Smart Bypass

Technical Specifications for Design & Integration

Specification	Value
Maximum Air Flow	220 m ³ /h
Heat Recovery Efficiency	86% – 98%
Sound Pressure Level @ 3m	33 dBA
Energy Efficiency Class	S11 (A), S14 (A+)
Maximum Power	87 W
Supply Filtration	G4, F7
Extraction Filtration	G4
Casing & Insulation	Expanded Polypropylene (EPP)
Duct Diameter	Ø 150 mm
Weight	14 kg
Conveyed Air Temp. Range	– 25°C to + 60°C

The LEVFILTER ECO 220 is a technically robust solution engineered for apartments, houses, and light commercial spaces.

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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