



A better way to ventilate your home



Energy Recovery Ventilation

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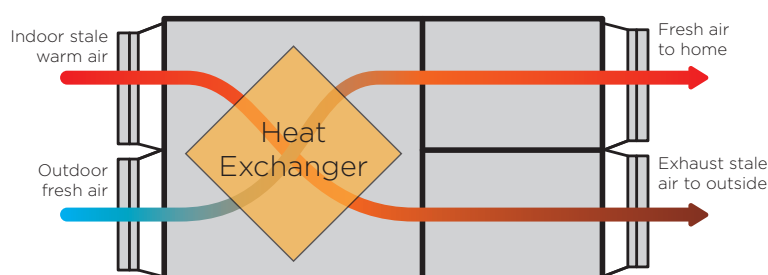
HFV350 is a balanced energy recovery ventilation system that allows you to continuously ventilate your home whilst retaining most of your valuable heat energy.

With quiet yet powerful DC fan motors and three fan speed options, this ventilation system can transfer up to 350m³ of air per hour - enough to properly ventilate most New Zealand homes.

By constantly changing the air in the home, moisture issues such as condensation are greatly reduced or eliminated completely!

For healthy levels of home ventilation, the number of recommended air changes per hour is 0.35 to 0.50. That is - every hour approximately 1/3 to 1/2 of the air in the house should be replaced with fresh air from outside and this is a lot more than many homes in New Zealand can achieve on their own.

Natural ventilation such as opening windows and doors will certainly be sufficient in many situations, but this may not be practical all the time, particularly during the winter months when essential heating would also be lost. Energy Recovery Ventilation overcomes the heat loss issue as most of the existing heat energy is recovered via a heat exchanger, and this energy is used to warm up the fresh air as it is drawn into the home from the outside environment.



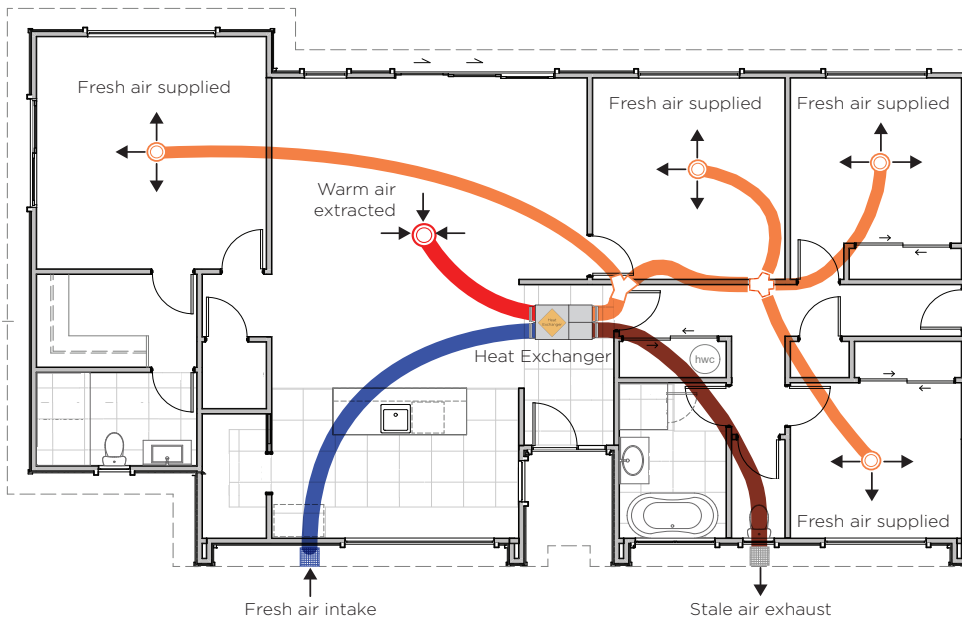
Using the heat energy from the stale damp air inside the home, fresh air from outside is warmed and provides constant ventilation for the removal of moisture, odours, and contaminants. This helps create a dry, fresh, and healthy environment inside all year round.



Fresh air is supplied throughout the home via discrete vents in the ceiling. Stale air is extracted from the main living space as this is typically the area with the main heat source for the house. Heat energy from the extracted air is recovered and used to warm the incoming fresh air. This ensures that a steady but gently flow of fresh air is achieved throughout the home and moisture, odours, and contaminants are continuously removed.

An additional high grade disposable filter can also be added to the incoming fresh air ducting to help eliminate possible issues with pollen, dust, or other contaminants that might be present in the outside air. Alternatively, an activated carbon filter can also be installed to remove odours such as smoke or vehicle fumes for situations where neighbouring wood burner heating, or heavy road traffic might cause localised air quality issues.

The **HFV350** ventilation system is easy to use, has very low running costs, and will help ensure you have a dry and healthy home all year round!



Model	HFV350
Dimensions	760mm x 460mm x 460mm
Weight	32kg
Controller	Digital, 3 speed
Airflow m ³ /hr (L/M/H)	180 / 260 / 350
Heat Exchanger	Cross flow polymer
Power supply	240V AC
Controller power	12V DC



HFV350

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