

Enveloped

Installed systems for high-performance homes

Heat Recovery
Ventilation

zehnder

STIEBEL ELTRON

Enveloped is an authorised installer of a range of quality European ventilation systems. These balanced heat-recovery systems offer superior air quality and ventilation throughout the house, with stale moist air being ducted out at the same rate fresh air is delivered. In contrast, a positive pressure system pushes stale moist air through the building envelope. Using minimal energy and providing exceptional health and comfort outcomes, balanced mechanical heat-recovery systems have become standard in high performance and certified Passive Houses.

The lungs of a home, these highly engineered systems can significantly reduce the humidity, CO2 levels and VOCs inside. The system is continuously extracting air from "wet rooms", such as kitchens, bathrooms and laundries and delivering filtered, fresh air into living rooms and bedrooms, even when windows and doors are open. In winter mode, advanced heat-exchange cores ensure most of the energy is kept within the home, while summer mode assists with cooling by bypassing the heat exchanger. Contributing to the health of the air, advanced filters help to remove allergens and pollutants from the intake air while the lower indoor humidity inhibits the growth of dust mites. Drier air is also more efficient and easy to heat.

Ducting is just as important as the fan unit itself, and Enveloped install a range of round or rectangle smooth core duct systems which are anti-static, noise attenuating, and accessible for cleaning. Each room has a dedicated duct back to the primary attenuator, eliminating cross-talk. Every balanced heat-recovery system installed by Enveloped is carefully planned and designed in order to achieve optimal performance within the home. Enveloped offers a range of installed systems and can prepare free quotations and engineered plans to suit your budget.

SUPPLY &
INSTALL



PROJECT
SEQUENCING



EXPERT
ADVICE



ONE STOP
SHOP



COMPETITIVE
RATES



HIGH PERFORMANCE
INSULATION

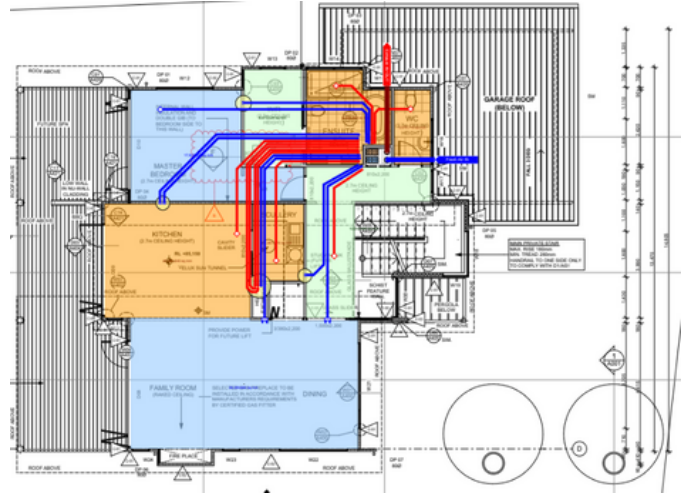
EUROPEAN ICF

AIR & WATER
HEAT PUMPS

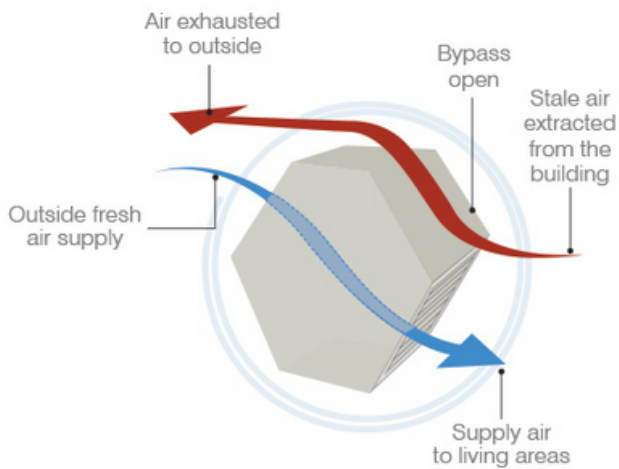
HEAT RECOVERY
VENTILATION

AIR TIGHTNESS
& MEMBRANES

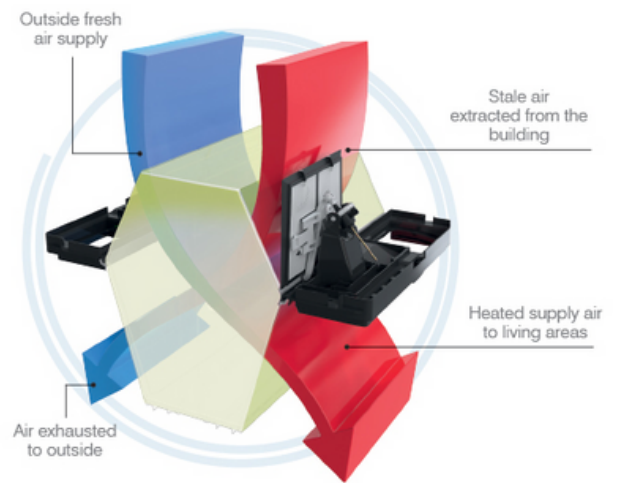
GERMAN WINDOW
JOINERY



Summer Bypass Mode



Recovery Mode (Winter Operation Shown)



Enveloped can also supply and install decentralised ventilation, eliminating the need for ducting. This is ideal for small units and apartments where space is a premium, while still maintaining heat-recovery benefits.

