

DUPLEXVENT™

Ventilate your home and recover your heat



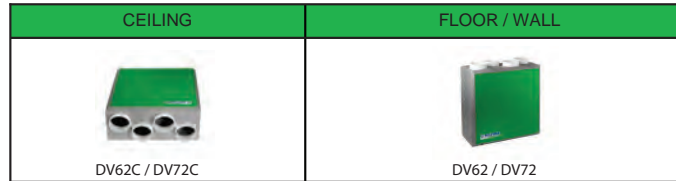
The indoor climate is of the utmost importance as most of us spend the greater part of our lives indoors. To ensure comfort and a sense of well-being, the air we breathe should be clean, and also be at the right temperature and humidity.

Whatever the situation, Mechanical Ventilation with Heat Recovery solutions from Airflow can play a significant role as they help create a healthier living environment whilst saving valuable energy.

Having over 90% thermal efficiency and a triple filter design, Duplexvent units provide a hygienic environment at all times.

With our Passivhaus Institute certified and SAP Appendix-Q eligible models, Duplexvent is the perfect choice for your whole house ventilation.

DUPLEXVENT RESIDENTIAL BASIC RANGE



PROFESSIONAL RANGE



NEW

INTERNET READY TECHNOLOGY



DUPLEXVENT COMMERCIAL FLEXI RANGE



AIRFLOW™

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Why Heat Recovery Ventilation?

With ever increasing energy costs the need to conserve heat and power is leading to higher levels of insulation and air tightness in residential dwellings and commercial buildings leading to poor indoor air quality

Fresh, filtered air is the answer!

In a healthy home, thousands of litres of fresh air are needed every day to replace the moist air generated by each individual person, and also through cooking, washing and bathing.



What is Heat Recovery?

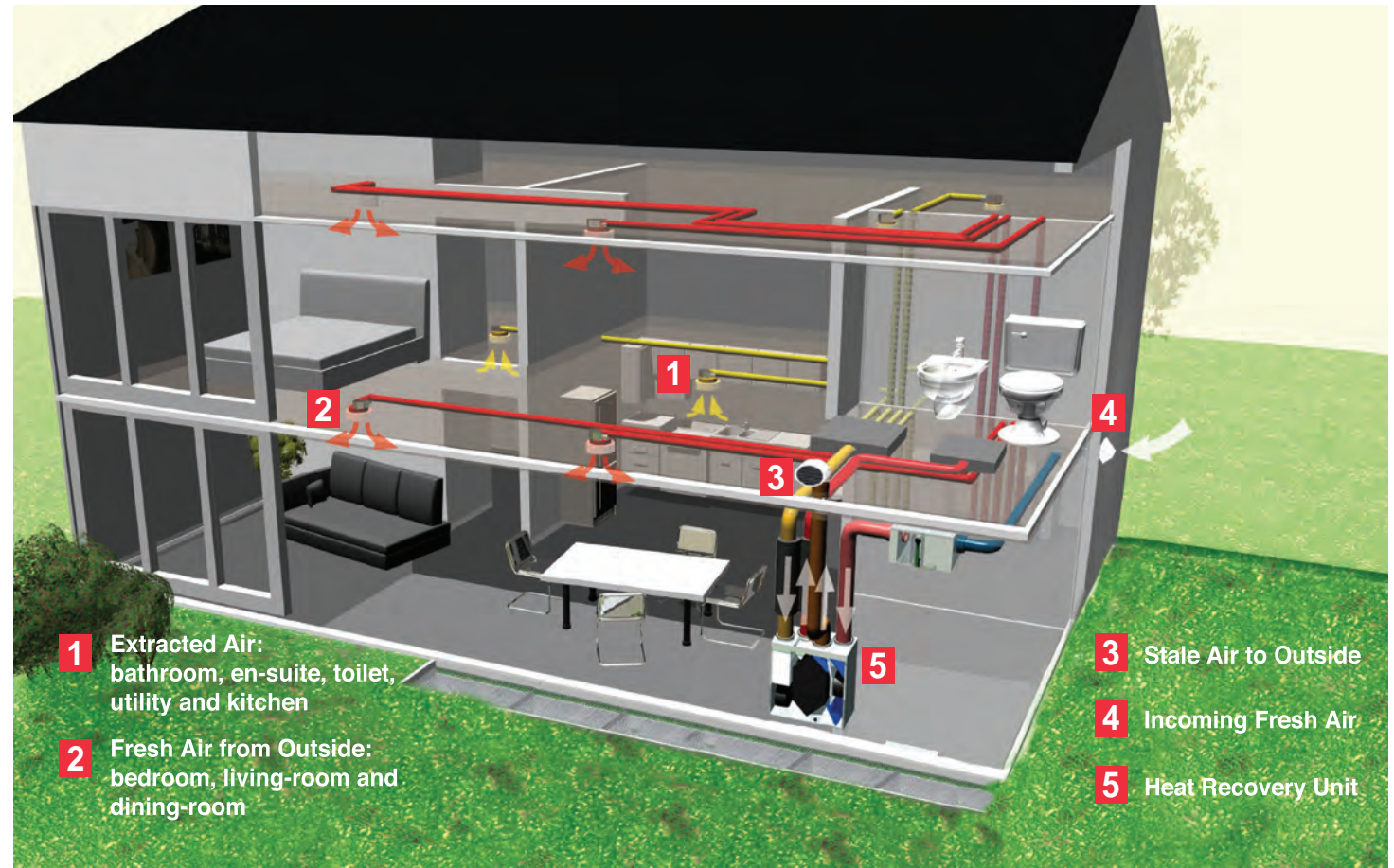
Heat Recovery is a process of continuously heating up incoming fresh air by using the outgoing already warm air. Warm Air transfers most of its heat to the incoming fresh air in a highly efficient Heat Recovery exchanger before leaving the dwelling. At no time do the airstreams mix as the heat radiates through the plates of the heat exchanger, so no odour issues.

Extract air

Stale air is contaminated with humidity Volatile Organic Compounds and odours extracted from the kitchen, bathroom and toilet. Extraction vents in toilets and wet room areas, such as the bathroom, en-suite, utility and kitchen allow a constant or demand oriented air flow volume to be extracted.

Supply air

Fresh oxygenated air from outside passes through a filter (sometimes 2, an additional pollen filter) and the heat exchanger before being supplied into bedrooms, living rooms, dining rooms etc. This fresh air moves around the home by way of a statutory gap at the bottom of doors, it is heated as it goes and also collects Volatile Organic Compounds given off by everyday products in the home, until such time it is also extracted from the home, completing the cycle.



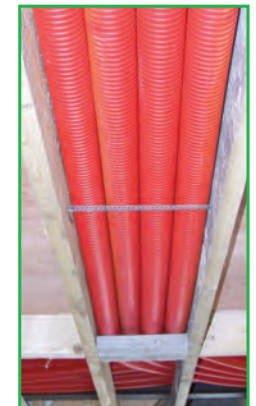
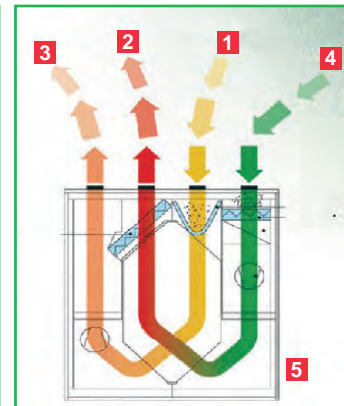
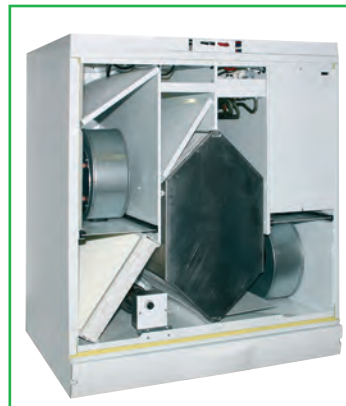
1 Extracted Air: bathroom, en-suite, toilet, utility and kitchen

2 Fresh Air from Outside: bedroom, living-room and dining-room

3 Stale Air to Outside

4 Incoming Fresh Air

5 Heat Recovery Unit



Continuously running from a centralised location, Duplexvent Heat Recovery Units recover heat from extracted air and transfer it into the incoming air thus saving energy.

It makes no sense to invest in energy efficient products to improve indoor air quality if the benefits to be gained are lost through leakage from a inferior quality and badly fitted ductwork system. Therefore

Airflex Pro is a quick and easy to fit semi-rigid ducting system which delivers 70% time saving during on-site installation. The hygienic lining with easy access make it easy to keep clean.

Providing high performance and zero leakage air distribution, Airflex Pro is the only system which is recognised as an input to Standard Assessment Procedure (SAP) via Appendix-Q.