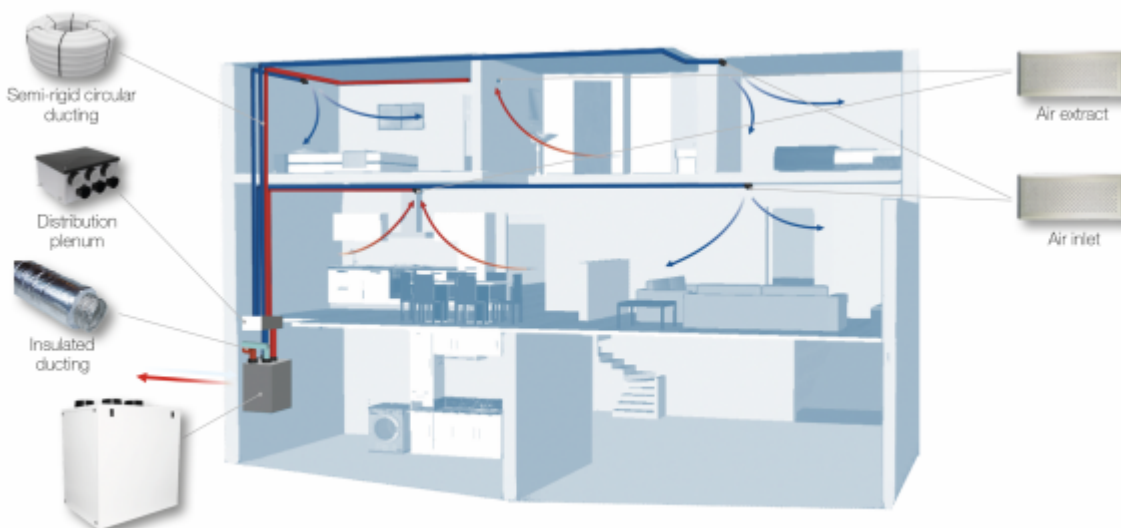


RESPIRO® One Whole House Mechanical Extract with Heat Recovery (MVHR)



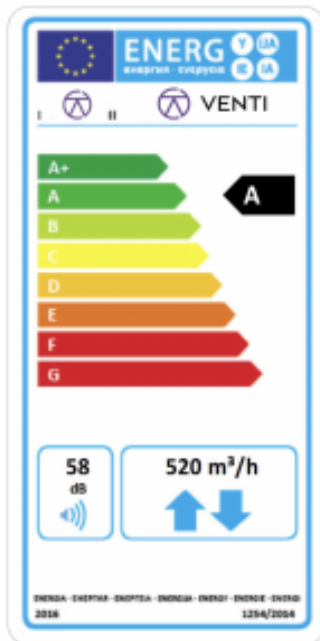
RESPIRO® One MVHR

Whole-house heat recovery unit. Select between vertical and horizontal installation (Specification relates to premium model)



- Ease of installation: fixing bracket supplied to hang the unit easily on the wall.
- Simplified electric wiring: the unit is supplied pre-cabled.
- Removable front panel for quick access to filters and heat exchanger.
- ISO Coarse 60% (G4) filters easy removable for cleaning. The unit is also provided with the ISO ePM1 60% (F7) filter accessory at the intake side.
- Integral automatic bypass for free cooling during the summer season.
- Automatic anti-frost protection to prevent frost building up on the exhaust side of the heat exchanger.
- Two drainage holes to meet climate requirement.
- Left/right configuration of the unit for mounting flexibility.

How it works: a continuous running heat recovery unit (RESPIRO® One) transfers heat from humid air extracted from wet rooms to warm incoming fresh air which is ducted to habitable rooms. Thanks to the easy-to-fit air distribution system each single ambient can be properly ventilate: the boost function enables rapid extract of increased moisture or pollutant levels. It also provides discrete installation and very quiet operation.



Energy saving: the preheated/pre-cooled fresh air and continuous air changes reduce the demand for additional heating/air-conditioning. The EC brushless motors significantly reduce the electricity consumption.

Indoor Air Quality: a correctly specified mechanical ventilation system can ensure the quality of the indoor air is constantly maintained for the health and well-being of the occupants as well as of the building. Duly maintained filters ensure that incoming air is suitably filtered of dust and pollen before it enters the home.

Operation:



The unit is supplied with a multi-function LCD display (CTRL-DSP) for automatic control and convenience, providing:

- 3 speed settings (adjustable).
- Boost option.
- Holiday mode.
- Night mode.
- Weekly timer.
- Bypass setting.
- Airflow balancing.
- Filter replacement and fan failure indicator.
- Working hour counter.

Setting saving and loading.
 Suitable for remote ambient sensors (Sold Separately).
 ModBus interface.
 Connection to remote pre/post heating element.
 Connection to remote water coil for heating.

Left or Right hand configuration (air connection).

Tested to the latest standards: units are tested in the TÜV Rheinland accredited internal laboratory according to the operating document IEC OD 2048 (level CTF1) for the IEC 60335-1 and IEC 60335-2-80 Standards, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Unit thermal efficiency, air-leakage and energy efficiency measured at independent laboratory BRE (UK). Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

Technical Dimensions

