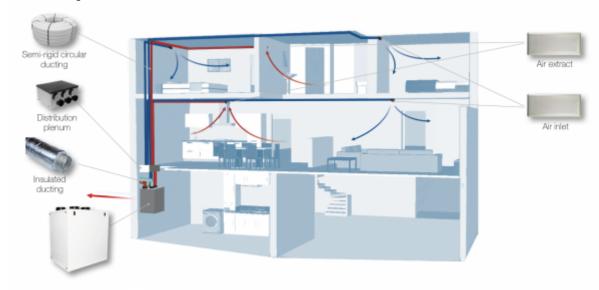
RESPIRO® One Whole House Mechanical Extract with Heat Recovery (MVHR)



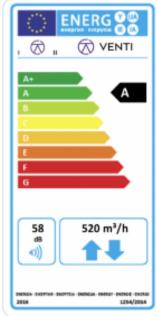
RESPIRO® One MVHR

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 if 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

