

# Multi-Room Extractor

## Kitchen, Bathroom and WC

### About the Multi-Room Extractor (MRE)

The MRE is a centrally located integral extractor fan for continuous extraction from the high humidity areas of a dwelling. It is an optimal solution where a discrete and integrated ventilation system is required. The main unit can be located in the attic or in a central cupboard and is connected via a ducting system to each room. This provides an unobtrusive ventilation solution as there is only a grille visible in each room without the need for multiple extractor fans located around the dwelling.

Additional benefits are that there is only one exhaust point to the exterior but multiple rooms are extracted from; as it is a single unit it is more efficient and the maintenance and running costs are minimised.

Incorporating the RHL AUTOSTAT, it provides quiet ventilation which seamlessly responds to everyday living. The continuous extraction ensures that contaminated air is removed and replaced by fresh air and should be used in conjunction with RHL Vapour Vents.



MRE incorporates 3x  
5 WATT MagLev motor.

The fans are dual speed and utilise energy efficient MagLev motors, offering great efficiency, quiet operation and exceptionally long life (up to 50,000 hours of operation). This is a reliable fully automatic and effective ventilation system. No user intervention or installation set up is required.

### Features and Benefits:

- Single centralised unit connected to a ducting system and extracting from multiple rooms offering the following benefits:
  - ◇ It is discrete
  - ◇ Replaces the requirement for multiple fans so there are minimum mechanical parts giving low maintenance and low running costs
  - ◇ Controlled by the RHL AUTOSTAT so no user intervention is required to maintain a pleasant balanced living environment. And it is energy efficient only using high speed when required.
- Incorporates MagLev technology which means:
  - ◇ Almost silent operation
  - ◇ Cost effective as it is inexpensive to run, low maintenance and has a long life.
- Air is dynamically drawn across the internal AUTOSTAT (humidity controller) which is perfectly in tune with normal living conditions and;
  - ◇ Responds to changes (and uniquely, small changes) in air humidity therefore requiring no manual adjustment to retain the air quality in your home
  - ◇ Incorporates a data-logger that captures humidity, temperature and fan operation providing details on the dwelling air quality for improved condensation control management
- Produces up to 100m<sup>3</sup>/h of air flow thereby conforming to building regulations part F
- Lifetime\* guarantee on the MagLev motor and 5 year guarantee on all other parts giving peace of mind

### What is MagLev Technology:

MagLev fans are derived from the most advanced train technology in the world. We have integrated the science behind making the MagLev trains float above the rails and propel forward, into our complete range of domestic fans.

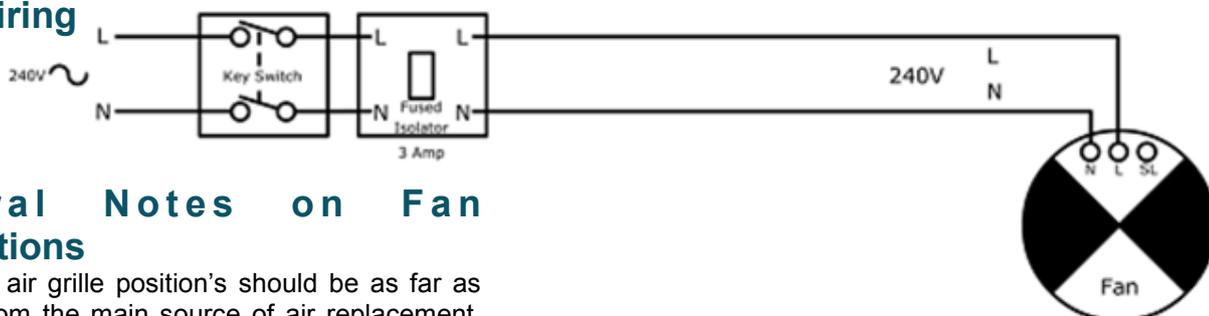
The levitation of the blade and housing is created through opposing magnetic forces causing propulsion through perpendicular magnetic fields. This means that there is no physical contact between the moving parts and therefore no mechanical friction. This in turn means that the fan temperatures is low and there is less waste of energy and less wear to the components. No friction also results in exceptionally high efficiency, quieter running and improved balance. All these features make a highly reliable motor with around 30 years life expectancy under normal operating conditions

Lifetime\* = lifetime of fan motor > 50,000 hours in normal operation

## Multiple Room Extraction options

Item	Part No.	Contents
MRE unit only	<b>MRE</b>	MRE unit inclusive of internal AUTOSTAT
Ducting kit	<b>MRE-DUCT</b>	Kitchen (125mm), bathroom (100mm) and WC (100mm) grilles, 2x 3m 125mm duct, 3 x125mm 90° bends, 2 x125mm to 100mm adapters, 125mm inline connector, 1x 3m100mm flexible ducting. (additional items available from Accessories list)
Vapour Vent 150mm with high level push through grille	<b>V150P</b>	150mm diameter tube, internal vapour membrane, push through circular external grille with seal, internal grille

### MRE Wiring

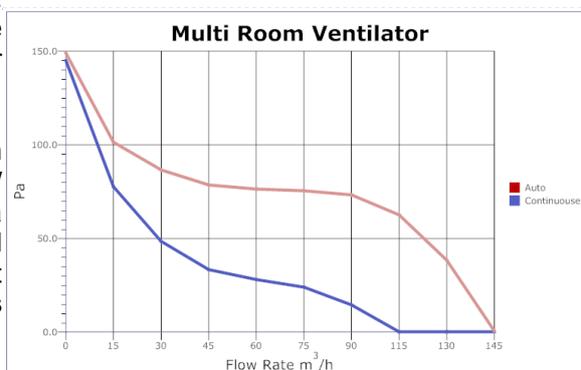


### General Notes on Fan Installations

The intake air grille position's should be as far as practical from the main source of air replacement. This is to avoid short-circuiting of the airflow. The MRE have three 125mm round spigot, two for extract one for exhaust.

The fan intake grilles should be located at a high level close to the moisture source. If the room/dwelling contains a fuel burning device such as a gas boiler with a non-balanced flue, it is essential that there is enough replacement air to prevent fumes being drawn down the flue where the fan is extracting

Other installation options are available. For more information, please contact us or see our website for product details and a detailed installation guide.



### And for the Specifier.....

The MRE is supplied with a 2 speed extractor fan running low level continuous with automatic Autostat humidity control to high level, 2 x round duct extract connection 125mm and 1 x 125mm exhaust. The fan will include three MagLev motor of not more than 15 Watts in total extracting at no less than 140M<sup>3</sup>/h.

Product	POWER				
	Max Air Flow M <sup>3</sup> /H	Fan Input (Watts)	Static Pressure (PA)	Noise (DB)	Exhaust Spigot Size (mm)
MRE	140	15	150	30	125