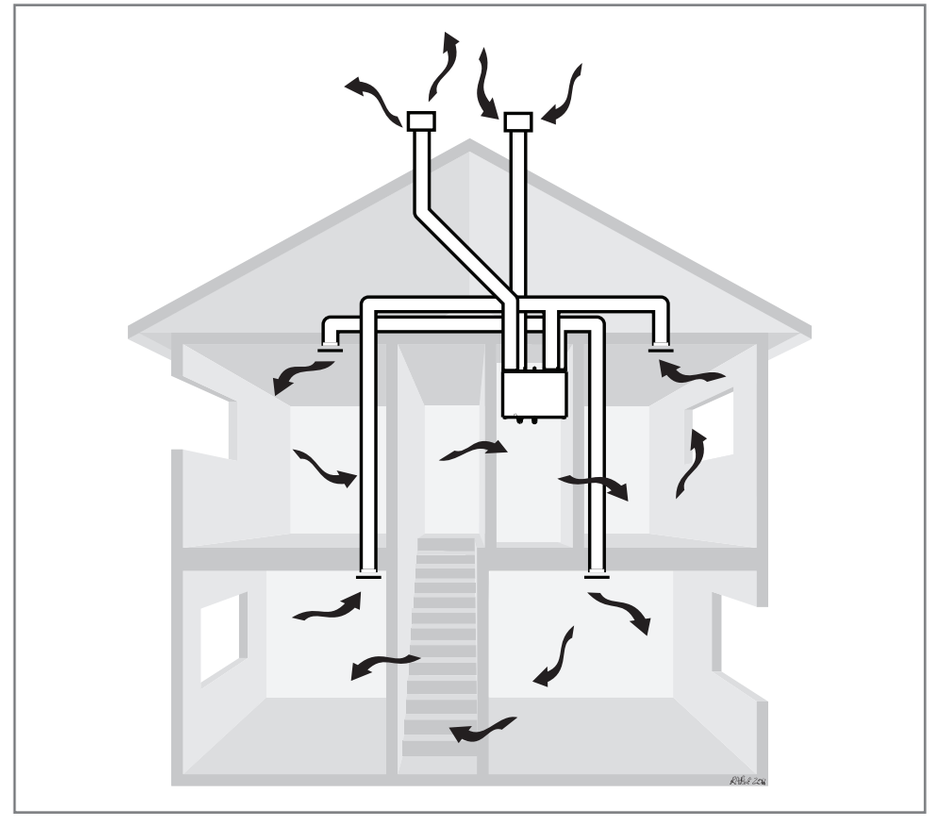
Heat Recovery Ventilation System

HRV User Guide - MVHR



DO NOT SWITCH OFF THE UNIT! The system is designed to run continuously.
If the unit is switched off indoor pollutant and moisture levels are likely to increase.

Titon®

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Your home has is fitted with a balanced ventilation system with heat recovery. At the heart of this system is a Titon HRV **Q** Plus Heat Recovery Unit. This contributes to improved indoor air quality and increased comfort levels. For the ventilation unit to function efficiently it needs to be maintained and used correctly.

Ventilation is Vital

Indoor air quality deteriorates without controlled ventilation, and this is intensified now modern homes are built more airtight. Chemicals, gases and moisture produced by everyday products and activities may lead to the build up of pollutants which could be harmful to the health of the occupants and may damage the building fabric.

Once homes are occupied it is the responsibility of the home owner/ landlord to maintain the system following the guidance provided.

How the System Works

The ventilation system extracts stale polluted air from rooms where most moisture is generated e.g. kitchens and bathrooms, and provides fresh air taken from outside which is by the HRV Q Plus then delivered to other rooms. This creates a flow of fresh, clean air throughout the house.

Heat is reclaimed from the extracted air and used to preheat incoming fresh air by a "heat exchanger" which is built into the central ventilation unit.

The ventilation system functions continuously via hidden ducts without wasting heat or energy unnecessarily. The air travels through terminals built into the ceiling which are connected by hidden ducts to the unit. Do not disturb or adjust the ceiling terminals, they have been set to give the correct amount of ventilation for the property.

The central unit is usually installed in a roof space or cupboard, although most of the system is hidden from view as it has been designed into the house construction. The system has the facility to boost the ventilation rate at times when more moisture is being generated, such as when bathing or cooking.
During cold weather the frost protection program will automatically vary the ventilation to ensure that there is no build up of ice in the unit. During operation, you may notice small changes in airflow or noise levels. This is quite normal as the unit is designed to operate in this way.

How to Use the System

The system runs by itself for normal ventilation rates. If a boost switch has been installed, it should be used to increase the extract ventilation rate at times when moisture or pollutant levels are considered excessive. Sensors may be fitted in the dwelling which detect high levels of moisture or pollutants and boost the system automatically.

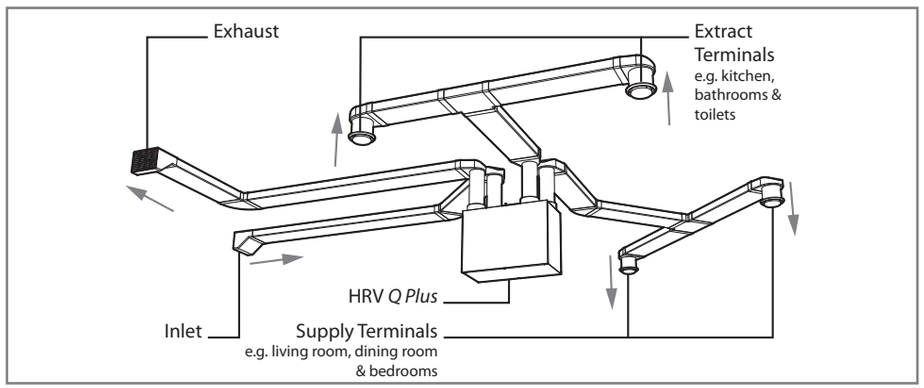
Typical Ceiling Terminal

Your system may have additional switching options and settings, please ask your housebuilder for further details if you are unsure.

Maintenance

All ventilation units require periodic maintenance. Routine maintenance, apart from filter changes, must only be carried out by a suitably qualified and competent person. The filters should be changed regularly, the frequency of cleaning will vary depending on the environmental conditions and occupancy levels in the property.

Filters can be cleaned by carefully using a vacuum cleaner. Filters should be replaced at least annually, or more regularly dependent on environmental conditions. Replacement Filters are available from TitonDirect.co.uk or via contact numbers shown. You will need to know the unit part number, which can be found on the serial number label fixed to the top and front of the unit.



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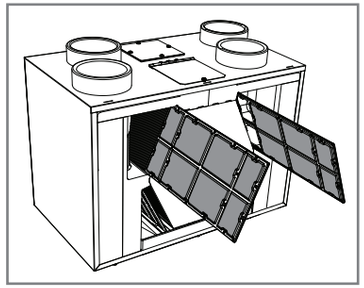
WARNING: The unit uses a 230V ~ supply and contains rotating mechanical parts. ISOLATE the unit from mains power supply and allow sufficient time for all moving parts to stop before undergoing any Servicing or Maintenance.

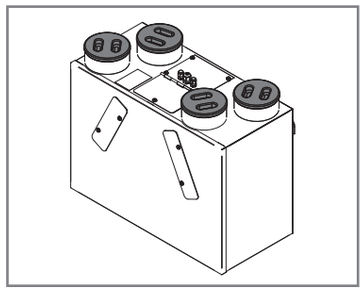
Enclosed type

1. ISOLATE the unit from mains power supply and allow sufficient time for all moving parts to stop.
2. Loosen the two corner screws located on the bottom front of the unit.
3. Completely remove the centre screw.
4. Completely remove the Front Cover by pulling it away from the unit at the bottom and lifting.
5. Slide out Filter Frames fitted either side of heat exchanger. Some units will have handed filters, so ensure the left and right hand filters are replaced or re-inserted like for like.
6. Clean by carefully remove any dust from face of heat exchanger, interior of the unit and the Bypass (if fitted) using a vacuum cleaner or alternatively replace with new filters. Do not use water or any other fluids.
7. Cover replacement is the reverse of the above steps. Ensure it is securely located at the top before tightening screws.



Filter door type

1. Unscrew and remove filter covers on front of unit.
2. Slide out Filter Frames fitted either side of heat exchanger. Some units will have handed filters, so ensure the left and right hand filters are replaced or re-inserted like for like.
3. Clean by carefully remove any dust from face of heat exchanger, interior of the unit and the Bypass (if fitted) using a vacuum cleaner or alternatively replace with new filters. Do not use water or any other fluids.
4. Replace filter covers ensuring they fit tightly against the front panel.

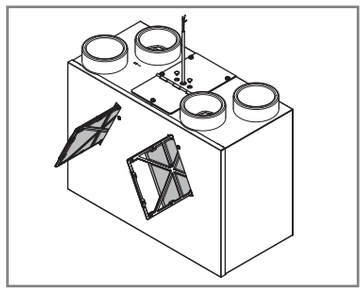


Filters should be replaced after a maximum of 3 cleaning cycles.

A Product Manual with full maintenance instructions is supplied with the unit and should be located on the unit or left with the householder or landlord.

If your manual is missing and you are responsible for maintenance, please go to www.titon.co.uk/mvhr for a copy.

It must be used as a service record.



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