


ROOM VENTILATION



 HRV Balanced Ventilation Systems
Householders information



➤ Ubbink HRV Ventilation System

➤ Congratulations!

Your home is fitted with a Ubbink HRV balanced ventilation system which will ensure healthy and comfortable indoor air quality whilst minimising energy usage.

➤ Householders information

This booklet has been produced to give you, the householder, some general guidance on the use and operation of your new HRV balanced ventilation system.

It also includes some routine maintenance instructions to ensure the system operates at peak efficiency that provides an energy efficient, fresh, clean and healthy climate - all year round.



➤ Balanced ventilation

By extracting used indoor air and supplying the same amount of fresh air from outside a balanced ventilation system is produced. Your ventilation system combines this with heat recovery (HRV).

The principle of HRV ensures that the heat in the extracted indoor air is transferred to the fresh incoming air via a heat exchanger in the HRV unit.

The humid air from the toilet, kitchen and bathroom is exhausted to the outside, but the warmth is retained inside.

Up to 95% of the heat, which would normally be lost outside now stays inside because of the HRV system.



➤ In case of emergency

In case of an emergency, for example a fire or a spill of hazardous gas nearby:

- close all windows and doors (as advised by the authorities).
- turn off your HRV system by the on/off switch or if not fitted by disconnecting from the mains supply.
- there is enough fresh air in your house for a time.
- always follow the instructions of the authorities in these emergencies.
- as soon as it is safe to do so, restart the HRV system.

➤ How can I ventilate intelligently?

Intelligent ventilation means it is operating 24/7. Secondly it needs to ventilate the correct amount - this depends on the presence of people and their activity.

You can imagine that during the use of the bathroom or kitchen, extra ventilation may be required.

The Ubbink HRV has therefore 3 ventilation settings on the 3-way switch.

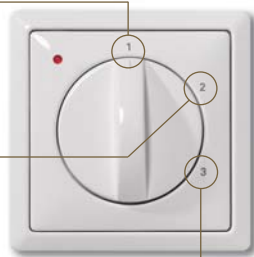
1 not present

(holiday or absence setting)

2 present

(everyday setting)

3 boost



➤ Can I open a window?

Even with a balanced HRV system you can open a window if you want.

However, in a well balanced ventilated dwelling this is not necessary.

In the summertime, if the indoor temperature is becoming too high, opening a window can provide additional ventilation with cooler air.

However, if you open the window in the heating season, extra energy is wasted in heating up the incoming cold air.

Remember the incoming air through the ventilation system is filtered and, providing the filters are regularly cleaned, this air will be of a better quality than the air coming in through an open window.

➤ Condensate drain

The appliance is fitted with a condensation drain with a water trap somewhere below the unit.

If you get a drain smell near the unit it is possible that the trap has dried out through evaporation.

This can be simply resolved by refilling the trap with water.

➤ Routine Maintenance

➤ Cleaning filters

Filters must be cleaned frequently approximately every 2 months (depending on usage), and should be replaced every year to guarantee proper operation of the ventilation system and to ensure good air quality. This is especially important in a new building.

There are two filters in the unit, the G6 filters the incoming air to ensure good internal air quality, the other G3 filter protects the heat exchanger.

On the display or on the 3-way switch of the Ubbink HRV you will get a signal when the filters should be cleaned. A red LED-light on the switch ① flashes and the letters FIL will appear on the unit display ②.



3-way switch



display panel

➤ To clean and change filters

- 1 Switch off the appliance.
- 2 Open the filter door and remove the filters. Make a note of which way round the filters are when removed. You will need to replace them the same way round.

- 3 Clean the filters with a vacuum cleaner (or fit new filters).
- 4 Replace the filters.
- 5 Close the filter door and switch on appliance.



After cleaning the filters or the fitting of new filters, reset the filter indication on the front of the appliance (press OK)

The display flashes shortly to confirm the filter indication is reset. After this procedure, the display is back in position.

➤ Cleaning supply and extract valves

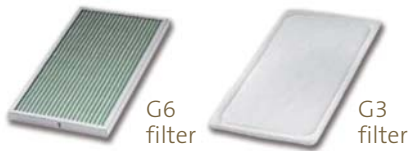
Cleaning of the supply or extract valves with soap and water should be done on a regular basis depending on their condition.

➤ Maintenance & Optional Accessories

The HRV system needs a yearly service inspection.

Your installer will be able to offer you an annual service which among other checks will cover cleaning of the heat exchanger and the fans. The heat exchanger will usually only require cleaning every 3 years. In case of difficulty contact Ubbink.

Filters will need to be replaced each year.



You can order new filters at:
www.ubbink-heatrecovery.co.uk

➤ Wireless Control

Your Ubbink HRV unit will usually be supplied with a wired 3-position switch. A wireless control system is also available to enable you to control the speed settings from any one position or from multiple positions e.g. if you want to switch to boost from the kitchen, bathroom or toilet.

To set up your house for wireless control you will require a receiver and the necessary number of transmitters.

➤ Receiver

The receiver is easy to install and should be placed close to the Ubbink HRV unit.

The receiver has a cable with a communication plug which needs to be connected, together with a splitter on the top of the HRV.

➤ Transmitter

Several transmitters can be set for one receiver for instance in the bathroom as well as the kitchen. The transmitters can control all 3 speed options and a timer option. By pressing the timer button you can set the system to boost for 15 minutes (when cooking, showering etc.). By holding the button for more than one second you can select the boost position for 30 minutes.

To order receivers and transmitters contact Ubbink.



Wireless control

➤ More Optional Accessories

➤ Bypass Cassette

If not fitted from new it is possible on the Medio M300 and Grande G400 units to fit a summer bypass cassette for greater comfort in warmer weather.

Bypass cassettes are not available for the Compact C180 unit.

➤ The function of the bypass cassette

On warm summer nights the bypass cassette will bring cooler outside air into the house whilst exhausting the warmer indoor air. This is achieved by bypassing the heat exchanger when it is not necessary to recover heat.

The bypass cassette is activated automatically, depending on the indoor or outdoor temperature.

With a retro-fitted bypass, 70% of the fresh outdoor air will bypass the heat exchanger.

When fitted from new the heat exchanger will be fully bypassed.

➤ Installation of the bypass cassette on the Ubbink HRV (Medio M300 or Grande G400)

The bypass cassette is connected to the front of the Ubbink HRV. Extra bolts are included.

When installed the complete unit will be 80 mm deeper.

Therefore you will also need special extended filters.

2 extended filters are included with the bypass cassette and can easily replace the current filters.

➤ Want to know more about the Bypass cassette?

Contact your installer or contact Ubbink.



Bypass cassette

> Warranty

All Ubbink products are developed and produced to the highest quality standards.

This warranty covers the provision of parts needing replacement (excluding filters) relating to the Ubbink HRV unit itself. The warranty does not include the labour costs of fitting any replacements or any consequential loss. Routine maintenance is not covered by the warranty.

The warranty is not valid in the following cases:

- The unit has not been fitted in accordance with our installation instructions.
- Installation of parts, components, accessories not recommended by Ubbink
- Defective handling
- Lack of or poor maintenance
- Use in a polluted or corrosive atmosphere

Warranty on parts is 2 years (excluding filters and heat exchanger).

Warranty on the heat exchanger is 5 years. The filters are consumables on which there is no warranty.

Replacement filters can be purchased from your installer or from Ubbink.

> Registration

> Register within 1 month

You will need to send us the serial number of your machine (situated on the top of the HRV unit) and your full address.

Registration must occur within 1 month of installation of the HRV unit and can be done through our website at www.ubbink-heatrecovery.co.uk or by returning the coupon below to Ubbink (UK) Ltd.

If you do not register, the date of production will be the default start date for the warranty period.

> Coupon



Registration of warranty: HRV Unit

Serial Number: _____

Date of installation: _____

Installer name: _____

Householder

Name: _____

Address: _____

Postcode: _____

cut-out and post coupon to:
Ubbink (UK) Ltd, Borough Road,
Brackley, Northants, NN13 7TB

or register at:
www.ubbink-heatrecovery.co.uk

Less energy, more comfort

www.ubbink.co.uk

www.ubbink-heatrecovery.co.uk



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