

THE DUMONT

ALBERT EMBANKMENT

VENTILATION USER MANUAL

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0. INTRODUCTION

THE MAIN EQUIPMENT FOR YOUR HEATING AND VENTILATION IS IN YOUR UTILITY CUPBOARD WITH YOUR WASHER AND DRYER AND COOLING EQUIPMENT IS WITHIN THE CEILING VOID.

THE APARTMENTS HAVE A HEAT RECOVERY **VENTILATION** SYSTEM INSTALLED THAT EXTRACTS AIR FROM THE BATHROOMS AND KITCHEN AREA AND RECYCLES THE HEAT TO SUPPLY FRESH AIR TO THE LIVING ROOM AND BEDROOMS. THIS VENTILATION IS ALWAYS ON TO ENSURE THAT THE APARTMENT IS ALWAYS VENTILATED. THE HEAT RECOVERY IN THE UNIT AND THE HIGH-PERFORMANCE WALLS AND WINDOWS MEAN THAT VERY LITTLE HEATING IS NEEDED IN THE APARTMENT.

Model: MRXBOXAB-ECO2

Location: Utility Cupboard



Figure 1 MVHR Unit

1.0 APARTMENT VENTILATION

Note: It is strongly recommended to read the Operational Guide for this chapter.

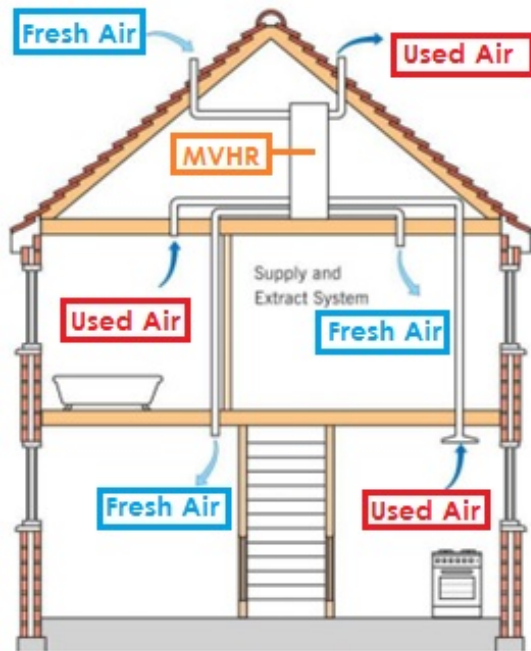


Figure 2 Ventilation Schematic

- ✓ MVHR supplies & extracts air continuously at a low rate with boost facility to extract pollutants and supply fresh outdoor air at a higher rate as required
- ✓ Can be controlled either; - Manually via single or multiple switches - Automatically, typically via humidity or other sensors These should be clearly marked and located in an accessible location in or near the wet rooms - Normally the MVHR unit is sited remotely in a loft space or cupboard and ducted via rigid duct to outside air using the most economical route
- ✓ Replacement tempered air is introduced into bedrooms and living areas by the system, therefore background ventilators in windows are not required

Cilantro has installed a Nuair MVHR Ventilation Unit in the Apartments, Located in the Utility Cupboard.

The Home Air Circulation Fan Unit moves air around your property at such a low level that you never feel it, but it takes all the stale air from inside your house and replaces it with clean fresh air, 24 hours a day, 7 days a week. Your home is ventilated without the need to open windows which can let in noise, fumes and can compromise security.

It will supply filtered fresh air to the living areas and will extract air and fumes from the wet areas: Bathrooms, En-suites, Kitchens and Utility Cupboard. The fresh air supply will be pre-heated through the MVHR heat exchanger element using the heat on the extracted air (previously pre-filtered).

When the integrated humidity sensor detects a higher humidity than the one set up in the system, it will turn on the Boost extract fan in the bathroom & Kitchen areas. The boost extract fan will remain on until the humidity has gone below the setpoint. The unit will also turn into Boost mode when light switches in Bathrooms and Kitchen are turned on.

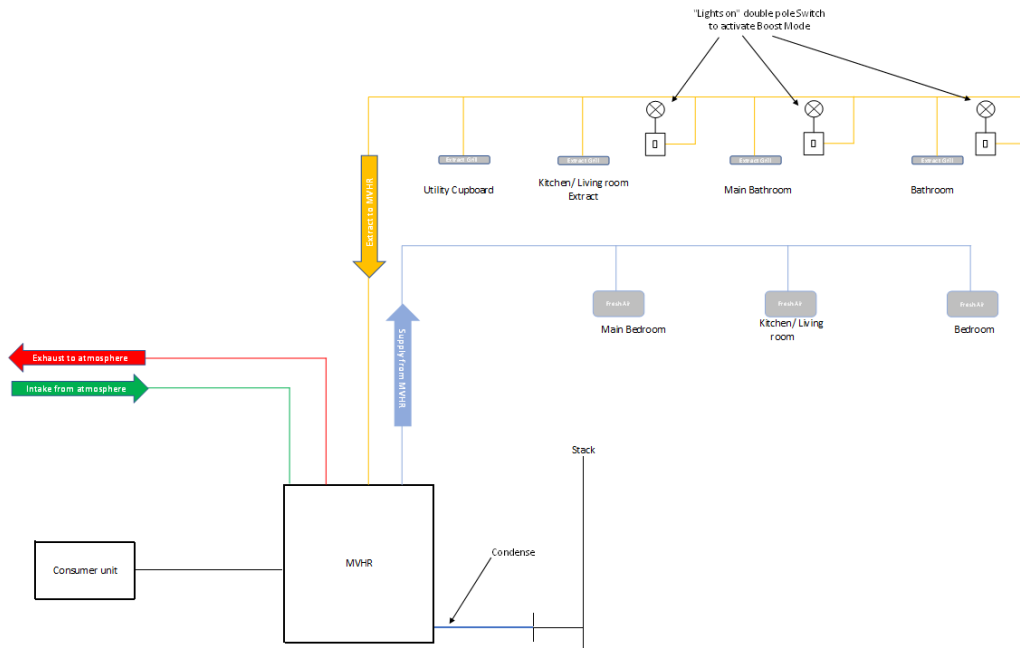


Figure 3 APARTMENT MVHR OPERATIONAL SCHEMATIC

MVHR (MECHANICAL VENTILATION WITH HEAT RECOVERY) PROVIDES FRESH FILTERED AIR INTO A BUILDING WHILST RETAINING MOST OF THE ENERGY THAT HAS ALREADY BEEN USED IN HEATING THE BUILDING. HEAT RECOVERY VENTILATION IS THE SOLUTION TO THE VENTILATION NEEDS OF ENERGY EFFICIENT BUILDINGS. MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR), HEAT RECOVERY VENTILATION (HRV) OR COMFORT VENTILATION ARE ALL NAMES FOR THE SAME THING. A HEAT RECOVERY VENTILATION SYSTEM PROPERLY FITTED INTO A HOUSE PROVIDES A CONSTANT SUPPLY OF FRESH FILTERED AIR, MAINTAINING THE AIR QUALITY WHILST BEING PRACTICALLY IMPERCEPTIBLE.

MVHR WORKS QUITE SIMPLY BY EXTRACTING THE AIR FROM THE POLLUTED SOURCES E.G. KITCHEN, BATHROOM, TOILETS AND UTILITY ROOMS AND SUPPLYING AIR TO THE 'LIVING' ROOMS E.G. BEDROOMS, LIVING ROOMS, STUDIES ETC. THE EXTRACTED AIR IS TAKEN THROUGH A CENTRAL HEAT EXCHANGER AND THE HEAT RECOVERED INTO THE SUPPLY AIR. THIS WORKS BOTH WAYS, IF THE AIR TEMPERATURE INSIDE THE BUILDING IS COLDER THAN THE OUTSIDE AIR TEMPERATURE THEN THE COOLING IS MAINTAINED IN THE BUILDING.

2.0 OPERATIONAL GUIDE

Your apartment is equipped with a Nuaire Ventilation System (MRXBOX95). The MVHR Fan is located within the Utility Cupboard, it's comprised of air extraction points in the Kitchen and bathrooms, and air supply points in Bedrooms and Living Room.

You don't need to setup anything. MVHR Fan is working automatically.



Note: These systems are heat recovery ventilation systems, **NOT AIR-CONDITIONING SYSTEM**. It offers the highest level of comfort and control available.

Note: The most common concern with home owners is that heat ventilation devices create noise. With Advance, absolute optimization of every element does everything possible to minimize generation and transmission of both motor and airflow noise.

Important:

Unit must not be switched off, product is designed to run continuously.

2.1 Filter and Routine Maintenance

All ventilation units require periodic maintenance. Routine maintenance must only be carried out by a suitably qualified and competent person.

7.0 Status Indication

The status of the unit is indicated by a series of LED's on the front cover. The variants are listed below.

Normal Mode	●	○	○	○
Supply Fan Fault	●	●	○	○
Extract Fan Fault	●	●	○	○
Boost	●	○	●	○
Frost Protection	●	○	●	●
Filter Change	●	○	○	●
Summer Bypass	●	○	●	●

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↑ Summer Bypass (AB unit only).

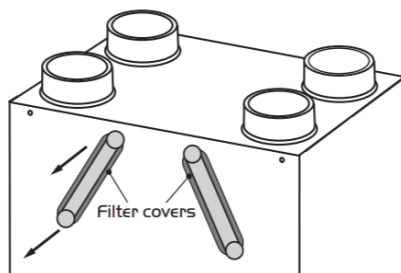
2.2 Filter Maintenance

Filters should be cleaned when indicated by the unit control panel (“Filter Change”) at varying intervals depending on the external environment or every 6 months if not indication is shown in the Unit.

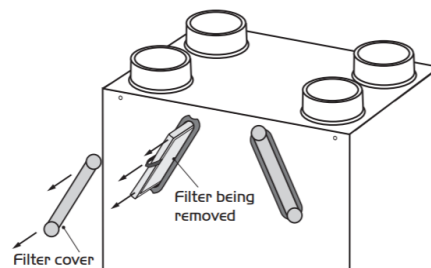
Note: It’s recommended that the 2 filters are inspected after 6 months and replaced every 12 to 18 months.

NOTE: Prior to start, make sure the unit has been switched off

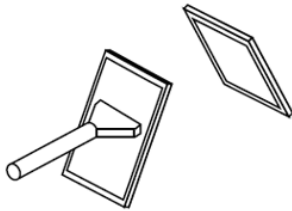
Remove the 2 filter Covers



Remove filters by pulling the black tab



Vacuum the filters or replace them



Replace in reverse order

If the filters need to be replaced, contact Nuaire Sales by calling 029 2085 8200 quoting the model reference.

The product should be professionally serviced every two years.

2.3 Routine Maintenance

Cleaning Exterior

For best results use a clean cloth and warm water with a mild detergent solution. Do not use solvents or abrasive cleaners.

2.4 Technical Support

Contact Details

For more information on how to operate your Home Air Circulating Fan please call technical support on: 029 2085 8200