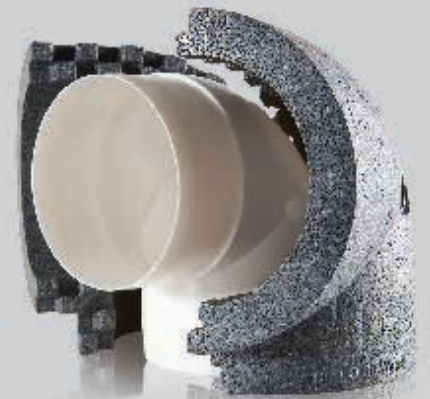
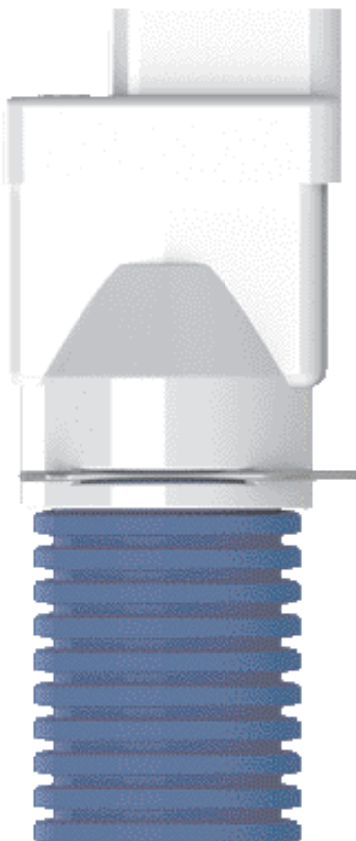


# MVHR VENTILATION GUIDE 2018



# HRX2D MVHR

Mounts onto a wall in either a kitchen or utility cupboard space, or in a loft



**INSTALLATION**

IS A WHOLE HOUSE SYSTEM

Supports kitchen and up to seven wet rooms  
Floor area 250m<sup>2</sup>

Building Regulations Compliant ✓

ErP Directive Compliant ✓

**A+**

Incorporates an advanced Bluebrain control

Ultimate, flexible and intelligent control

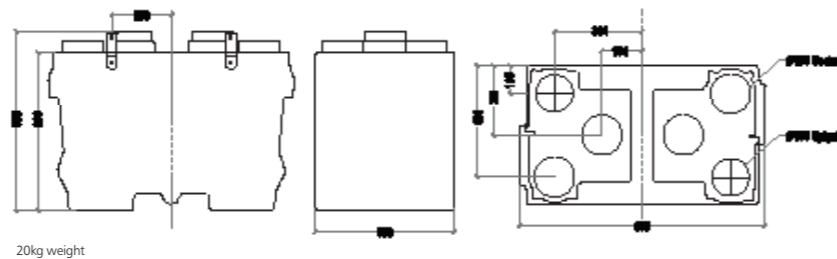
Straight forward, accurate commissioning

SEE PAGE 16

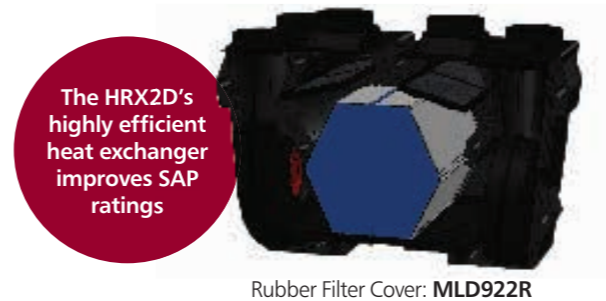
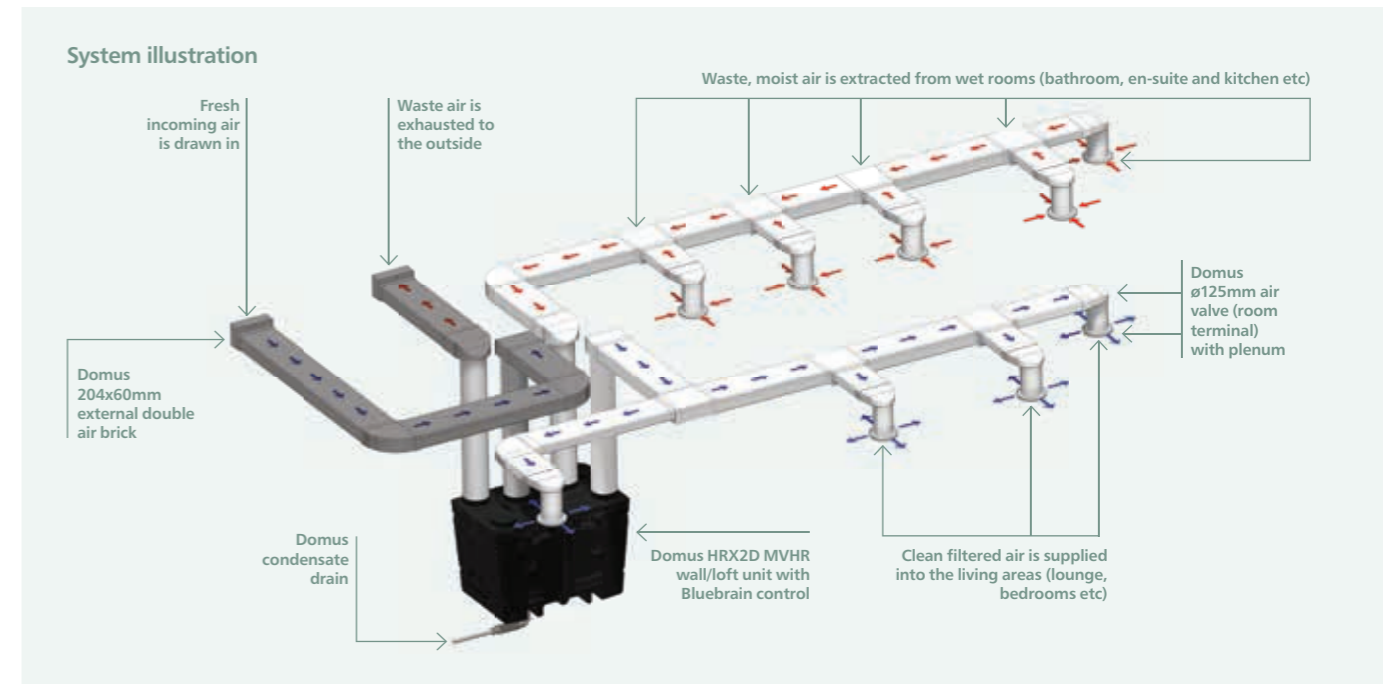
Ideal for larger developments, the HRX2D is a highly efficient and intelligent MVHR unit, which is quick and easy to install and operate.

- Extremely low Specific Fan Power (SFP) down to 0.57 W/(l/s)
- Bluebrain control optimises the unit's functionality and allows for quick and easy commissioning through simple speed adjustment buttons
- High heat exchange efficiency up to 94%
- Very quiet in operation, down to 35dB(A)
- Effectively extracts up to 113l/s at 150 Pa
- 20kg

For technical information visit: [www.domusventilation.co.uk](http://www.domusventilation.co.uk)

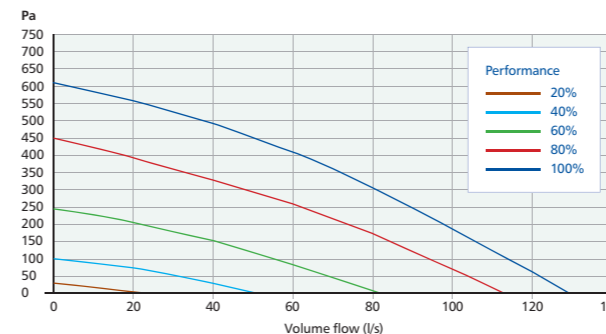


20kg weight



Code	Description	Unit Depth	Thermal (Summer) Bypass
HRX2D		290mm	✓

Code	Accessories
297	Condensate Drain
HRX2C-AF	Air Filters
HRX2-CK1	Hose Connection Kit (included)
AQHC-CC4	4 Metre Data Cable (included)
AQHC-CC8	8 Metre Data Cable (not included)



# Bluebrain Control

Optimises Domus MVHR systems, as well as making commissioning simpler



### Control functions

- +** Increase value/speed (+)
- Decrease value/speed (-)
- 1** Set temperature activation point
- 2** Set date and time
- 3** Set humidity trigger point
- 4** Adjust thermal (summer) bypass
- 5** Copy program
- 6** Select and edit program
- 7** Escape function
- 8** Save function

Through advanced AMIE technology (Air Management for Indoor Environments), the Bluebrain controller not only offers simple pre-programmed functions, such as night time cooling and intelligent thermal bypass, it also allows for straightforward commissioning.

### Intelligently manages air conditions

#### Digital humidity control aiding homeowner comfort

Through advanced AMIE technology, unlike typical humidity sensors, the Bluebrain MVHR controller will enable occupants to have direct control over managing the humidity levels in their home – to suit personal comfort levels.

By accurately measuring air humidity, the MVHR's extract speed automatically changes from background to boost as the level of humidity increases, thereby providing optimal ventilation performance.

#### Advanced thermal bypass control

Perfect for night time cooling or during warmer periods, the MVHR controller detects when the air temperature reaches a pre-set level and intelligently activates the thermal bypass mechanism to maximise the effect of maintaining fresh and filtered air. The thermal bypass is also programmable by time, for additional convenience and comfort.

For technical information visit: [www.domusventilation.co.uk](http://www.domusventilation.co.uk)

### Commissioning made easier

#### Simple speed control

Engineered to include independent speed control, the Bluebrain control allows quick and accurate commissioning through simple speed adjustment buttons.



### Dirty filter indicator

#### Automated filter maintenance and replacement reminders

Ease of maintenance and filter replacement is an important consideration when choosing MVHR – not only to ensure performance of the unit is maximised and air quality maintained, but also for peace of mind. The MVHR Bluebrain control removes this concern by providing helpful maintenance reminders for cleaning its filters.

### BMS capabilities

#### Building Management Systems (BMS)

The MVHR controller incorporates volt free contacts for fault and filter cleaning indication, to work with a Building Management System.

The Bluebrain controller takes the hassle out of MVHR commissioning.



### Control features summary

- Includes advanced AMIE technology (Air Management for Indoor Environments)
- Power indicator
- Status indicator (frost protection, thermal bypass, etc.)
- Fault indicator with diagnostics
- Independent fan speed control
- Switched live inputs (signal triggers):
  - Mains level x 2
  - Volt free to boost x 2
  - Volt free to max x 1
- 3 variable speeds
- Clean filter indicator
- Frost protection
- Built in humidistat
- Run on boost timer
- Delay 'on' boost
- Pre commissioning filter protection
- Discreet run monitor
- Lockable commissioning mode
- BMS features:
  - Pre heater activation output
  - Remote shutdown
  - System healthy monitor and fault signals
- Time and date display
- Real time air temperature display
- Real time extract air humidity level display
- Easy to read, contemporary digital display

The Bluebrain controller is compatible with the following MVHR units:

#### HRX-aQ



#### See page 8

Fits into ceiling voids and utility cupboard spaces.

#### HRXD



#### See page 12

Mounts onto a wall in either a kitchen or utility cupboard space, or in a loft.

#### HRX2D



#### See page 14

Mounts onto a wall in either a kitchen or utility cupboard space, or in a loft.

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