

**New and Revised Features**

# HRV3 Q Plus

## Highly Energy Efficient Heat Recovery Ventilation Unit



### For use in large sized dwellings

Suitable for larger dwellings, the revolutionary HRV3 Q Plus whole house ventilation unit, independently tested by the BRE and shown to be EST Best Practice compliant, is a unique heat recovery ventilation unit. The HRV3 Q Plus gives cutting edge performance

usually only associated with much larger and more costly products. The combination of very low power consumption and a highly efficient heat exchanger is specifically designed to enhance SAP performance via Appendix Q of Part L.



### Features & Benefits

- **Compact high performance unit can be fitted in cupboards or loft spaces**
- **Very low power consumption / specific fan power**
- **Highly efficient heat exchanger - up to 90%, extremely efficient for its size**
- **Independently SAP Q tested by the BRE**
- **EST Best Practice compliant**
- **Easy installation with quick fix mounting bracket**
- **Summer mode helps to reduce dwelling overheating**
- **Standard 15mm condensate drain connection**
- **Intelligent controller, quick and easy to commission**
- **Fully adjustable boost overrun timer 0-60 minutes - can be used with non-latching (momentary) switches to prevent unit from being accidentally left in boost mode**
- **Ports accept 125mm or 150mm diameter ducting, no adaptors required**
- **Intelligent frost protection with stepped reduction of supply air rates to prevent freezing**
- **Demand Control Ventilation ready**
- **Lightweight, 24.5kg - saves transit / handling costs and installation time**
- **Full range of ducting and ancillaries**
- **Set back option for unoccupied periods**
- **Patent applied for**
- **Automatic (100%) summer bypass option, with duct heater control facility available**
- **Volt free switching**

Mechanical Ventilation with Heat Recovery (MVHR)

## Description

Titon HRV3 Q Plus whole house central mechanical supply and extract unit with heat exchanger.

## Product Code

TP402A

## Standards

Conforms to requirements of UK statutory Building Regulations and Technical Standards for Ventilation. SAP Appendix Q tested ([www.sap-appendixq.org.uk](http://www.sap-appendixq.org.uk)). Exceeds requirements of Building Regulations Approved Document L (England & Wales). EU RoHS Directive compliant. Conforms to requirements of EC council directives relating to Electromagnetic Compatibility and Electrical Safety: 2006/95/EC (LVD), 2004/108/EC (EMC) EN 60335-1:2002/A2:2006, EN 60335-2-80:2003/A1:2004. CE Marked.

## Specification

**Dimensions:** 715mm wide x 490mm high (excluding ports) x 415mm deep (426mm with mounting bracket)

**Weight:** 24.5kg

**Finish:** White Paint

### Materials

Housing: Zintec sheet steel housing, powder coated white  
Internals: Expanded polypropylene (EPP)  
Heat exchanger: Polystyrene  
Internal insulation: Closed cell foamed Nitrile rubber, class 'O' fire rating  
Filters: Grade G3 synthetic filters, flame resistance to BS5588

**Guarantee period:** 3 years

**Electrical:** 230V 50Hz

**Installation:** Install in accordance with Good Practice, such as the Domestic Ventilation Compliance Guide (England & Wales) and the Residential Ventilation Association recommendations - details on request.

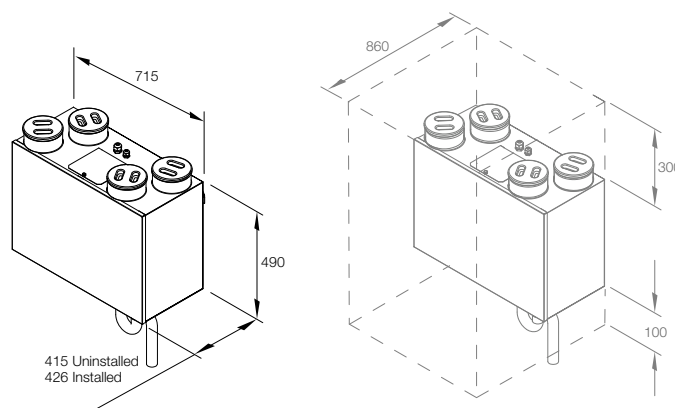
**Maintenance:** Annual Service and filter change recommended. Uses long life washable grade G3 filters.

## More information

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## Details



## Performance

Exhaust terminal configuration*	Fan speed setting	Specific fan power (W/l/s)	Heat exchange efficiency (%)	Energy Saving Trust Best Practice Performance Compliant
Kitchen + 3 additional wet rooms	100% variable	0.66	90	Yes
Kitchen + 4 additional wet rooms	100% variable	0.78	89	Yes
Kitchen + 5 additional wet rooms	100% variable	0.91	88	Yes
Kitchen + 6 additional wet rooms	100% variable	1.05	88	No
Kitchen + 7 additional wet rooms	100% variable	1.22	87	No

Figures taken from the BRE Test Results

\*Number of wet rooms is based on SAP Q test criteria and does not correlate directly with regulatory performance requirements

Noise Performance - details on request

## Nominal Fan Performance

