

HRV1 Q Plus

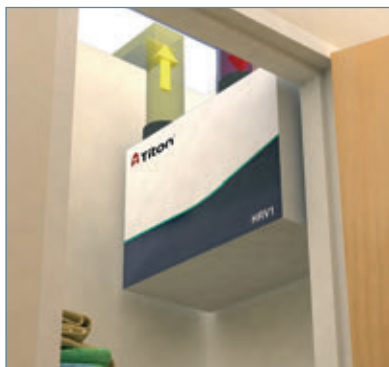
Highly energy efficient Heat Recovery Ventilation unit



Primarily for use in dwellings with three wet rooms or fewer

The ultra compact HRV1 Q Plus continuously running whole house ventilation unit with heat recovery is independently tested by the BRE.

Combining very low power consumption and a highly efficient heat exchanger, the HRV1 Q Plus is specifically designed to enhance SAP performance via Appendix Q, yet small enough to be easily incorporated into apartments and smaller houses where space is at a premium. HRV1 Q Plus Mechanical Ventilation with Heat Recovery units are the unit of choice for a number of major UK house builders.



Features and Benefits

- **Very compact unit**
- **Low Specific Fan Power; down to 0.70 W/l/s**
- **Highly efficient heat exchanger; up to 91%**
- **Accepts 100mm or 125mm diameter ducting, no adaptors required**
- **Intelligent frost protection, stepped reduction of supply air rates prevents freezing**
- **G3 filters as standard, G4 as an option**
- **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**
- **Setback setting to reduce ventilation where local regulations allow**
- **Volt free switching control**
- **Summer Mode**
- **Intelligent controller, quick and easy to commission**
- **Very lightweight for easy handling**
- **Re-usable plastic filter frames**
- **Quick fix via mounting bracket**
- **Patented design**
- **Independent fan adjustment**
- **Effective in reducing pollutants in the home and improving Indoor Air Quality (IAQ), therefore reducing the risk of Toxic Home Syndrome**

Product codes

TP400A - Energy Rating A

Filters:

XP40032/099 - G3 Filters fitted as standard

XP46022/099 - G4 Filters fitted on request

Standards

Conforms to requirements of UK statutory Building Regulations and Technical Standards for Ventilation and BRE 398.

SAP Appendix Q tested
(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.

Visit www.titon.co.uk for Passivhaus evaluation.

Specification

Dimensions: 600mm wide x 430mm high (excluding ports) x 285mm deep (295mm with mounting bracket)

Weight: 16kg

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

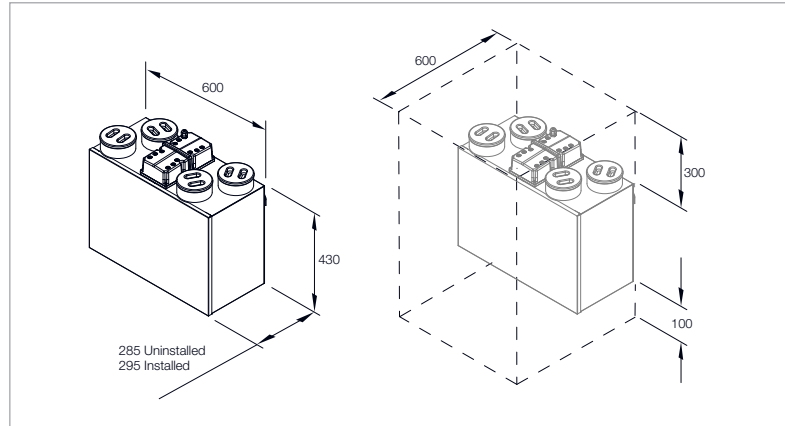
Standard filters: Grade G3 synthetic filters.

Guarantee period: 3 years (UK only)

Electrical: 230V ~ 50/60Hz, 3A fuse

Installation: In accordance with Good Practice, such as the Domestic Ventilation Compliance Guide (England & Wales) and the Residential Ventilation Association recommendations.

Maintenance: Service and filter clean/replacement subject to local environment - see product manual.



Performance

The figures and compliance levels below relate to current SAP requirements. Revised SAP guidance will have an effect on performance and up to date figures can be found on the relevant product page at www.titon.co.uk

Exhaust terminal configuration*	Fan speed setting	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet room	100% variable	0.70	91
Kitchen + 2 additional wet rooms	100% variable	0.70	89
Kitchen + 3 additional wet rooms	100% variable	0.72	89
Kitchen + 4 additional wet rooms	100% variable	0.90	88
Kitchen + 5 additional wet rooms	100% variable	0.99	87

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

