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Slimline 150 & 300
Exceptionally low energy consumption

High Efficiency, Low Profile Heat Recovery Range

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High Efficiency, Low Profile Heat Recovery Range

High-efficiency, low profile MVHR units to deliver exceptionally low energy consumption, low noise levels and innovative features.

* A+

A

CERTIFIED COMPONENT
Passive House Institute

K+7	0.59	92
Kitchen + additional wet rooms	Specific Fan Power (W/l/s)	Thermal Efficiency (%)**

Notes: * 'A+' rating only applicable to Slimline 300 with 2 or more sensors.
** Slimline 300 only.

Features & Benefits

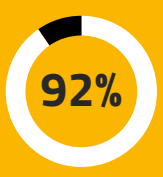
- Constant flow technology to deliver the required airflow at all times
- Exceptionally low noise levels
- Compact and low profile design for ease of installation in restricted spaces
- 100% summer bypass as standard
- Passive House Certified
- Intelligent frost protection
- Ideal for a wide range of domestic and commercial applications
- High thermal efficiency
- Intelligent control module as standard

About the Slimline Range

The high-efficiency EnviroVent Slimline Range is ideal for ceiling mounted applications such as care homes and student accommodation to provide optimum ventilation. It can also be wall mounted using the supplied brackets. With a height of just 310mm on the Slimline 300 and 200mm for the Slimline 150, the low profile and compact design is perfect for installations where space is restricted. For renovation projects, the Slimline 150 offers an excellent choice for smaller dwellings and can be installed in areas such as above suspended ceilings in the central hallway of an apartment.

The Slimline 300 unit has a maximum airflow rate of 300 m^3/h and a high thermal efficiency to improve indoor air quality and deliver optimum comfort. The Slimline 150 similarly achieves a maximum airflow rate of 150 m^3/h. A 'Plus' version is also available featuring additional connection options such as a CO_2 sensor.

The Slimline 300's high efficiency heat exchanger achieves up to 92% thermal efficiency.



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What is Heat Recovery?

As building efficiency is improved with wall and loft insulation, draught proofing and double glazing, buildings are becoming more air tight and are consequently less well ventilated. Good ventilation is vital to our health and the fabric of our homes. Opening windows is one option, however this is not ideal due to security risks, loss of heat and energy in colder months.

To solve these problems, heat recovery ventilation can provide fresh filtered air, energy efficiency and a comfortable all year round climate for your property. Stale, moist air is extracted out of the wet rooms of a property. These include the kitchen, bathrooms, utility and en-suite rooms. This moist air is then ducted to a central unit.

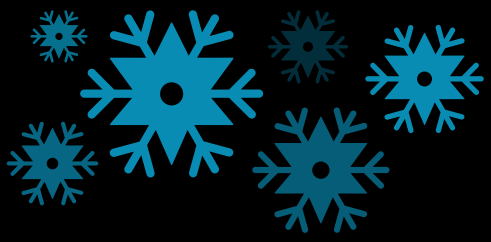
This extracted air passes over a heat exchanger before being ducted to outside. Simultaneously, fresh air is drawn into the unit from outside, and is warmed by the high efficiency heat exchange cell. This tempered, fresh air is then delivered through supply vents into the living, dining and bedroom areas.

This constant supply of clean, tempered air into the property creates a healthy and ideal environment, maintaining stable humidity levels, free from condensation and mould. Sufferers of asthma, house dust mite populations and other respiratory problems should find this method of ventilation significantly beneficial.

Scan to watch our video on how MVHR works

Frost Protection

An intelligent frost protection system based on temperature and pressure prevents the heat exchanger from freezing when it is very cold outside. The Slimline 150 unit combines this with an integral pre-heater. An external preheater is also available for the Slimline 300.

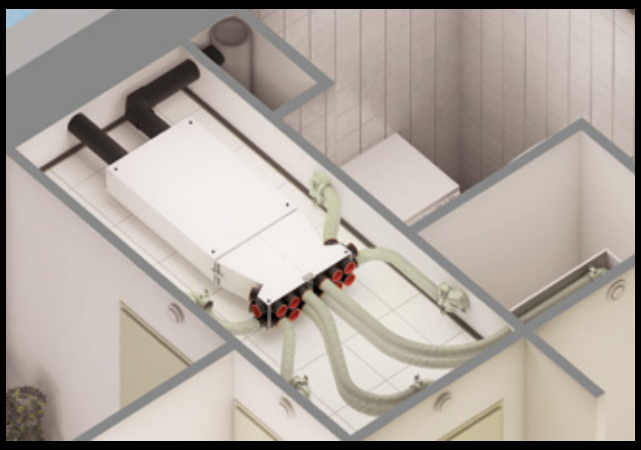


Constant Flow Control

The 'constant flow' technology ensures maximum efficiency and that the commissioned airflow rate is always delivered despite any resistance encountered in the ductwork or filters. The 'constant flow control' system also enables commissioning to be carried out much quicker and more easily, saving on installation costs

Silent and Low Energy

There are a number of factors why the Slimline Range is so quiet. Engineered with aerodynamically-designed fans to run at lower rates enables noise to be reduced and minimalized. In addition, the unit has been designed with a larger heat exchanger, which minimises resistance to deliver exceptionally quiet running.



Slimline 150 unit shown with air distribution module. For further information on this accessory and to discuss your project call **01423 859 393**

Control Options

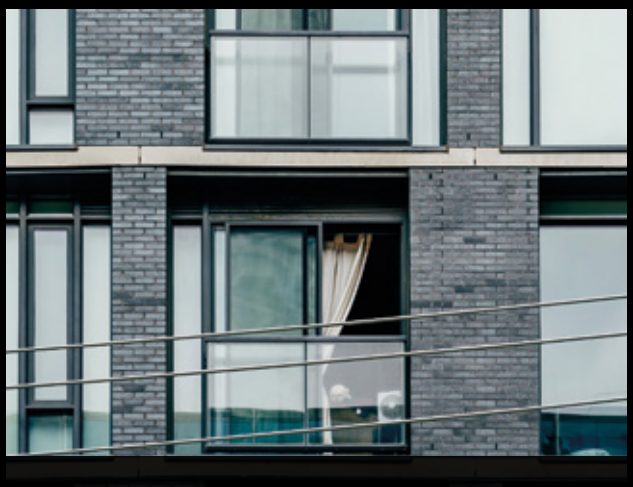
The Slimline Range comes as standard with a control module that can be used to adjust the basic settings and air flow rates. The built-in timer function can be used to set the ventilation rate per day/week/weekend. Additionally, one or more 4-way switches, wireless RF controls or a humidity sensor may be installed.

Standard Bypass

The appliances come as standard with a 100% bypass for use when it is warm outside and heat recovery is not desired. The bypass is controlled fully automatically on the basis of the measured indoor and outdoor temperatures.

Passive House Certified

The Slimline Range of products are Passive House certified and manufactured with the latest energy-saving technology. The Passive House concept is the only internationally recognised, performance-based energy standard in construction.



Care homes • Student accommodation • Apartments

Accessories

SWHBKRFSET-4	4 way remote control switch and receiver	
SWHBKRFSET-2	2 way remote control switch and receiver	
SWHBKRF-4	4 way remote control switch	
SWHBKRF-2	2 way remote control switch	
SWHBK-4W	4 way wired switch with filter indication	

SENSORBK-H	Humidity sensor, duct mounted	
SENSORBK-CO2	CO_2 sensor (PLUS versions only)	
FILTER-SL-G4	2 x G4 filters	
FILTER-SL-G4/F7	G4/F7 filters	

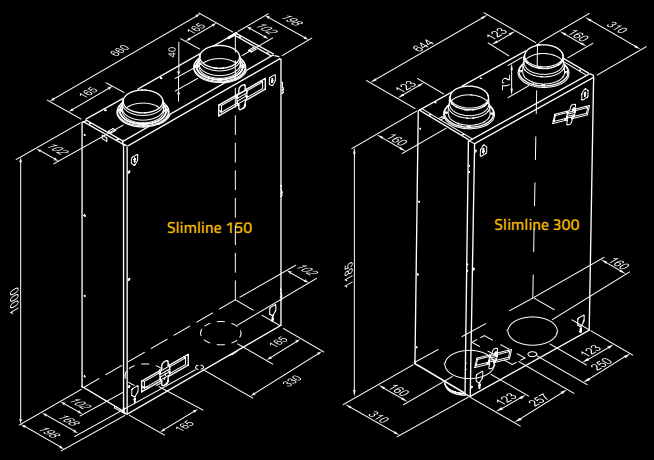
Technical Specification

Order Codes

SL150	Slimline 150 standard
SL300	Slimline 300 standard
SL150P*	Slimline 150 PLUS version
SL300P*	Slimline 300 PLUS version

*The Plus versions have additional connections for CO_2 sensor, geo-heat exchanger, bedroom diffuser and postheater

Dimensions (mm)



Technical Data

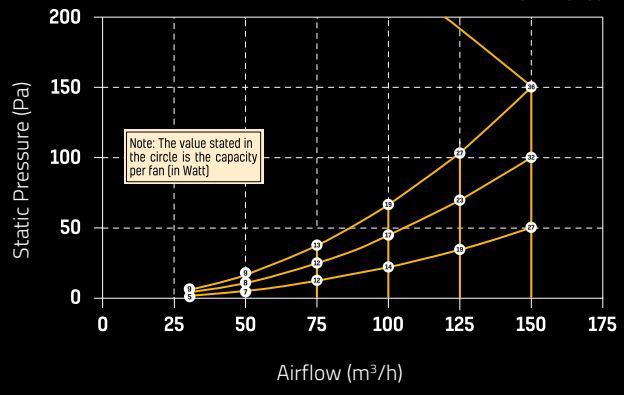
Ventilation capacity at 150 Pa (m^3/h)	System sound emission dB(A)	Rated power at 70% of the max appliance capacity (W)	Dimensions Duct Connection (mm)	Air filtering	Constant flow control	Standard bypass	Built in preheater	Connections provisions for external preheater	Connections provisions for humidity sensor	Available as Plus version**
Slimline 150 Max 150 **Slimline 300** Max 300	**Slimline 150** <40 at 75 m^3/h & 100 Pa **Slimline 300** <46 at 225 m^3/h & 100 Pa	**Slimline 150** 36 at 105 m^3/h & 50 Pa **Slimline 300** 51 at 210 m^3/h & 50 Pa	**Slimline 150** 4 x Ø125 **Slimline 300** 4 x Ø150/160	2 x G4 filter (option: supply filter F7)	✓	✓	Slimline 150 only	Slimline 300 only	✓	✓

SAP Appendix Q Performance

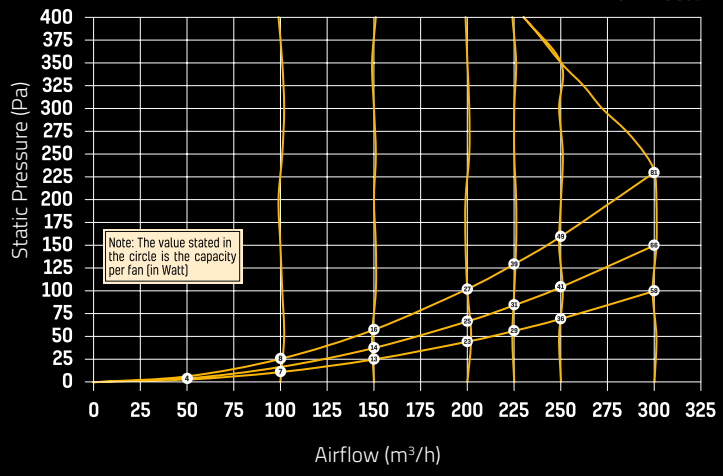
Exhaust Terminal Configuration	Kitchen + 1 additional wet room		Kitchen + 2 additional wet rooms		Kitchen + 3 additional wet rooms		Kitchen + 4 additional wet rooms		Kitchen + 5 additional wet rooms		Kitchen + 6 additional wet rooms	Kitchen +7 additional wet rooms
	SL150	SL300	SL150	SL300	SL150	SL300	SL150	SL300	SL150	SL300	SL300	SL300
Specific Fan Power (W/l/s)	0.75	0.65	0.73	0.59	0.81	0.61	0.94	0.64	1.11	0.69	0.77	0.91
Thermal Efficiency (%)	88	92	88	90	85	89	84	88	84	87	86	85

Performance Curves

Slimline 150



Slimline 300



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