



## Slimline 150

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### Detailed description

High-efficiency, low-profile mechanical ventilation with heat recovery (MVHR) unit, delivering low energy consumption and low noise levels. Designed to provide a constant supply of clean, tempered air and maintain stable humidity levels all year round.

Extracted air will pass through a heat exchanger before being ducted outside. Simultaneously, fresh air is drawn into the unit from outside, and is warmed by the high-efficiency heat exchange cell.

### Features and benefits:

- Constant flow technology is used to deliver the required airflow at all times, whilst also providing maximum efficiency.
- Engineered with aerodynamically designed fans to run at lower rates and enable noise to be reduced. In addition, the unit has been designed with a larger heat exchanger, which minimizes resistance and delivers quieter running.
- Compact, low-profile design provides ease of installation in restricted spaces.
- Includes summer bypass function as standard, which contributes to an improved comfort level in summer and is controlled automatically by measuring indoor and outdoor temperatures.
- Frost protection with integral preheater prevents the heat exchanger from freezing during times of low temperature.
- Suitable for a wide range of domestic environments.
- High thermal efficiency.
- Plus version available with the option of connecting to additional sensors such as CO2 and MODBUS.
- Intelligent control module is included as standard to adjust basic settings and airflow rate.
- Can be installed on walls or ceilings.
- Two-year warranty and five years on the heat exchanger.

### Applications:

Suitable for ceiling-mounted applications, and can be used in renovation projects on suspended ceilings in areas such as:

- Care homes.
- Student accommodation.
- Smaller dwellings or apartments.

### Approvals:

- ErP A rated.
- SAP Appendix Q tested.

EnviroVent Ltd

envirovent

**EnviroVent Ltd**  
EnviroVent House  
Hornbeam Business Park  
Harrogate  
North Yorkshire  
HG2 8PA

Tel: +44 (0)1423 810810

[www.envirovent.com](http://www.envirovent.com)  
[innovation@envirovent.com](mailto:innovation@envirovent.com)



- Passive House certified.

## Product guidance - As Standard

### Size:

- 1000 x 600 x 198 mm.
- Duct connections: 125 mm.

### Technical characteristics:

- Specific energy consumption: Average: One sensor: -36.49 kWh/(m<sup>2</sup>.a); two or more sensors: -40.67 kWh/(m<sup>2</sup>.a); cold: One sensor: -78.94 kWh/(m<sup>2</sup>.a); two or more sensors: -84.16 kWh/(m<sup>2</sup>.a); warm: One sensor: -12.16 kWh/(m<sup>2</sup>.a); two or more sensors: -15.75 kWh/(m<sup>2</sup>.a).
- Specific energy consumption class: Average: Class A–A+; Warm: Class E; cold: Class A+.
- Annual electricity consumption: Average: One sensor: 396 kWh; two or more sensors: 314 kWh; cold: One sensor: 933 kWh; two or more sensors: 851 kWh; warm: One sensor: 351 kWh; two or more sensors: 269 kWh.
- Annual heating saved: Average: One sensor: 4389 kWh; two or more sensors: 4496 kWh; cold: One sensor: 6698 kWh; two or more sensors: 6862 kWh; warm: One sensor: 2310 kWh; two or more sensors: 2366 kWh.
- Unit type: Ventilation unit with heat recovery.
- Fan type: Variable speed EC fan.
- Heat recovery type: Recuperative plastic cross-counterflow heat exchanger.
- Thermal efficiency: 88%.
- Maximum flow rate: 150 m<sup>3</sup>/h.
- Electric power input: 64 W.
- Sound power level: 38 dB(A).
- Reference flow rate: 105 m<sup>3</sup>/h.
- Reference pressure difference: 50 Pa.
- Specific power input (SPI): 0.33 W/(m<sup>3</sup>/h).
- Leakage: Internal: 0.9%; External: 2.3%.
- Controls: One sensor: 0.85; Two sensors: 0.65.

## Product specification

### Manufacturer

- Name: EnviroVent Ltd
- Web: [www.envirovent.com](http://www.envirovent.com)
- Email: [innovation@envirovent.com](mailto:innovation@envirovent.com)
- Tel: +44 (0)1423 810810



- Fax: +44 (0)1423 810910

- Address: EnviroVent House, Hornbeam Business  
Park, Harrogate, North Yorkshire HG2 8PA

**Product reference** SL150-R - Standard version.  
SL150P-R - Plus version, with additional  
connections for the CO2 sensor, geo-heat  
exchanger, bedroom diffuser and post  
heater.

**Accessories** [Not required]  
[FILTER ES3/ 400-G4/ F7] - Two G4/ F7 fine  
dust filters.  
[FILTER-ES3/ 400-G4] - Two G4 filters.  
[SENSORBK-CO2] - CO2 sensor. For use  
with Plus version only.  
[SENSORBK-H] - Humidity sensor, duct-  
mounted.  
[SWHBK-4W] - Four-way wired switch with  
filter indication.  
[SWHBKRF-2] - Two-way remote control  
switch.  
[SWHBKRF-4] - Four-way remote control  
switch.  
[SWHBKRFSET-2] - Two-way remote  
control switch and receiver.  
[SWHBKRFSET-4] - Four-way remote  
control switch and receiver.