



Therm-X MVHR Range

Compact, efficient, heat recovery & ventilation

- High heat recovery efficiency of up to 93%
- Exceeds ErP 2018 requirements
- Achieves SFP of < 1.5 W/l/s
- Near silent operation (<30 dB(A) @ 3m)
- 'Plug & Play' installation with integrated controls
- 'Choose & Go' software for exact selection
- 3 years warranty (parts only)

Highly efficient, the Therm-X range is fully compliant with the requirements for Part L of UK building regulations and ecodesign directive.

The Therm-X MVHR range is ideal for small commercial applications, schools, retail, leisure, restaurants and offices.



HRFL II Model



HR85 Model



HR95 Model

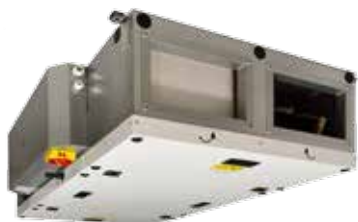
ErP Compliant

2016 & 2018



Choose your model

HRFL II



For ceiling voids with high-efficiency plate heat exchanger

HR85



For free standing installation with high-efficiency rotary heat exchanger

HR95



For free standing installation with high-efficiency plate heat exchanger

Internal installation	Internal installation (external w/optional weather roof)	External/internal installation
Four models up to 0.55m ³ /s @ 200Pa ESP	Eight models up to 2.35 m ³ /s @ 200Pa ESP	Four horizontal models up to 1.04 m ³ /s @ 200Pa ESP
Slim design (310mm height in 040 and 070 sizes)	Compact with top or side connections for installation flexibility	Six vertical models up to 1.67m ³ /s @ 200Pa ESP
Heat recovery efficiency up to 93%	Heat recovery efficiency up to 85%	Heat recovery efficiency up to 93%
30mm thick galvanised construction	50mm thick galvanised frameless construction and powder paint finish for corrosion protection	
Access panels powder coated suitable for exposed installation	T3/TB4 (MB) thermal performance class to BS EN 1886:2007	
Designed in line with the Passive House Institute certification criteria	L1 (MB) casing leakage class to BS EN 1886:2007	
F7 supply, M5 extract filters F9 optional filter VDI Certified	M5 supply and extract filters VDI Certified	G4+F7 supply filters, G4 extract filter\ VDI Certified
Full component access from below	Side access as standard	Top or side access
Integrated epoxy coated condensate drain tray	Condensation rotary heat exchanger	Integrated epoxy coated condensate drain tray
Hinge and handle panels for facilitated maintenance	Handled panels for facilitated maintenance	Top access panels supported by hydraulic support strut

Tested to: ISO 5801:2007, EN 3744:2010, EN ISO 5136:2010, EN 308:1997, EN1886:2007

Precise control

The Therm-X MVHR range offers smart, integrated, modular control:



- Room temperature sensor included in the package
- Full-colour touchscreen controller with an intuitive, user-friendly interface which allows:
 - Temperature, airflow, ventilation mode set up
 - Commissioning and calibration of the unit
 - Display alarms and information
 - Unit operation monitoring
- Complete ventilation control with several operational modes (CAV, VAV, DCV, boost & trickle, time scheduling)
- Exact temperature control including set point, high/low thresholds, heat recovery control, automatic free-cooling and control of optional integrated pre/post heating or cooling
- Control of external shut-off dampers, electric or water duct mounted heaters
- Integrated safety features covering soft start-up, condensate overflow, thermal overheating protection, frost protection, and fire interlock
- Continuous monitoring of the filter status and dirty filter alarm
- Commissioning and maintenance features include functional diagram, automatic calibration, component test mode alarms, error handling, and PID tuning
- BMS communication via MODBUS RTU/TCP



Therm-X - Benefits for all

For the consultant



Technical versatility

Designed to provide perfect comfort and the highest energy efficiency for a broad range of applications.



Ecodesign & Part L compliant

Fully conforming to the requirements for Part L of UK building design regulations and the European ecodesign directive.

For the installer



'Plug & Play' philosophy

All Therm-X products are designed around ease of install and simplified commissioning.



Tested, reliable performance

Units undertake a stringent set of tests to the relevant European and International Standards in an accredited laboratory to ensure performance.

For the end user



'Clean and comfortable climate

F9 class filtration, temperature control and monitoring of indoor pollutants ensure high indoor air quality.



Energy savings

The Therm-X MVHR range boasts a high overall heat recovery efficiency of up to 93% providing year-round space heating and cooling energy savings. The intelligent control system self-optimises the unit mode to reduce heat losses and select the most economical operation.



Efficient, quiet operation

Next generation EC fans and acoustically optimised casing deliver near silent operation. IE4 efficient motors further increase energy efficiency.



Intelligent, user friendly controls

The handheld controller supplied with every Therm-X MVHR system offers easy control. It allows real time monitoring of the operation of the unit and is fully customisable with different levels of user access.

