

UNICO & EBAC MVHR



Unico MVHR Compatibility

- Combining The Unico System with fresh air, and:
- MVHR - ventilation & heat recovery system
 - Creates the ultimate system with the added benefit of heating and cooling
 - Fewer components & pipework can reduce the overall installation cost

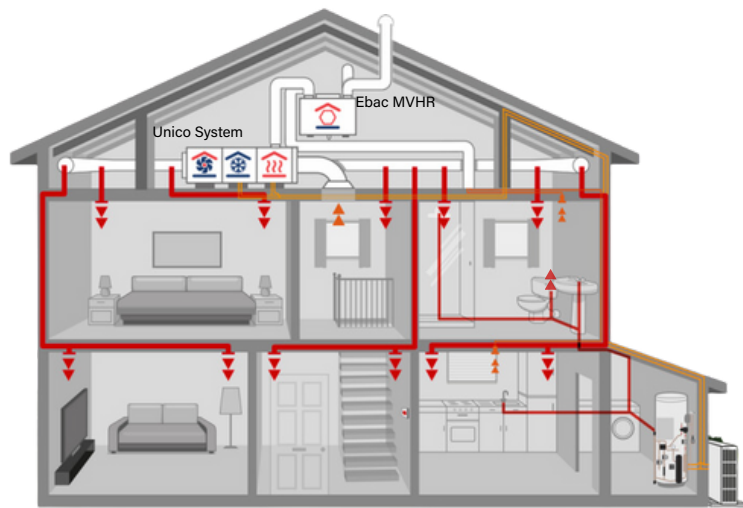
This makes The Unico System a premium high end solution covering heating, cooling and ventilation.

Pairing Unico & Ebac MVHR

Some things are just better together, and when it comes to indoor comfort control it's hard to beat pairing The Unico System small duct high velocity (SDHV) central heating and cooling with Ebac's Mechanical Ventilation Heat Recovery (MVHR) system.

Unico, Inc., the global leader in small-duct indoor comfort systems, and Ebac, Britain's top maker of ventilations systems, have partnered to provide residential HVAC installers and end users with the most efficient, smartest, easiest to install, and best indoor comfort system on the market.

Together, these industry leaders provide a whole-house solution for improving internal climates through the removal of stale, polluted air and supply of fresh or conditioned air.



Features & Benefits

The Unico System

- Modular, easy to install indoor units
- Space-saving plenum & flexible supply ducts
- Removes 30% more humidity than traditional systems
- Quiet, draft-free, even temperatures
- Unobtrusive outlets

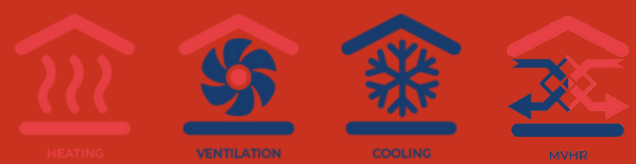
Ebac MVHR

- 100% filtered summer bypass & purge settings
- 88% heat exchanger efficiency
- Integrated CO2, humidity, and temperature sensors
- 0-10v EC fan motors
- Intelligent automatic frost protection

For more information visit unicosystem.co.uk

Ebac MVHRs are designed specifically for SAP via Appendix Q

Unico & MVHR Matchup



	Heating	Cooling	Ventilation	Air filtration	Humidity control	Air disinfection	Heat recovery
The Unico System. 3-in-1 heating, ventilation & cooling solution + MVHR module	✓	✓	✓	✓	✓	✓	✓
The Unico System. 3-in-1 heating, ventilation & cooling solution	✓	✓	✓	✓	✓	✓	✗
Boiler & radiators	✓	✗	✗	✗	✗	✗	✗
Heat pump with rads or underfloor heating	✓	✗	✗	✗	✗	✗	✗
Mini split heat pump	✓	✓	✗	✓	✓ [#]	✗	✗
MVHR (mechanical ventilation with heat recovery)	✓ [*]	✓ ^{**}	✓	✓	✓ ^{***}	✗	✓

#Poor control. If turned on/off by occupant will not run long enough to dehumidify; if left on continuously will run at warmer temp and not dehumidify.
*With electric heat strip
**Only if outdoor temp is less than indoor temp
***Only if outdoor dewpoint is lower than indoor dewpoint (summer), or vice-versa in the winter.



Unico Air Handling Unit

- Available in 5 sizes (3 KW to 20 KW)
- Compact, modular AHUs
- Smaller than traditional-sized air handlers
- Uses flexible supply ducting (90mm outer diameter; 50mm inner diameter)
- Uses unobtrusive round (127mm outer diameter; 50mm inner diameter) or slotted (frame: 230mm x 25mm; opening: 180mm x 12.5mm) outlets
- Fits into the tightest of spaces
- Easy to install
- Quiet operation ~ 30dB (comparable to a whisper)
- <5% duct leakage
- <2% thermal loss
- Removes 30% more moisture from the air than traditional ducted systems



Ebac MVHR Unit

- Available in left- and right-hand configurations
- Ventilation capacity at 100Pa = 242-M³/H
- Rated power at 70% of max = 47.4 Watts
- Duct connection = 125mm
- Weight = 35Kg
- Temperature efficiency = 88%
- Summer bypass = 100%
- 3.5" touchscreen controller with:
 - Commissioning menu
 - 2X 240V custom inputs for remote switch to adjust user mode
 - Live sensor readouts for internal/external temperature, CO₂, and RH
 - IAQ live status indicator
 - Summer boost setup & timer