



Ventive Home

PASSIVE VENTILATION, HEATING, COOLING AND HOT WATER

Ventive Home is a fully connected & integrated ventilation, heating and hot water system combining PVHR™ (passive ventilation with heat recovery) and exhaust-air heat pump technologies designed for new dwellings.

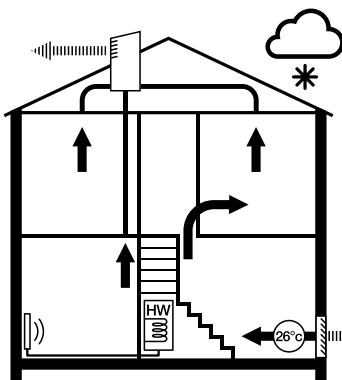


- ✓ **Smart management solution**
Combining ventilation, hot water and heat recovery to create a comfortable home environment at a manageable cost
- ✓ **100% fresh air**
delivered to rooms, no mixing of stale air
- ✓ **Adaptive**
Designed to suit your needs. Performance parameters can be updated to suit changing requirements
- ✓ **Connected**
'Home' is connected to the Ventive cloud for real-time performance monitoring and proactive maintenance
- ✓ **Comfort**
Year-round comfort for the best of both worlds; winter heat recovery to keep your house warm and summer cooling to avoid overheating

Passive Ventilation with Heat Recovery (PVHR™) is a patented method of delivering high thermal efficiency and consistent air flow using natural ventilation systems by securely transferring the heat from exhaust air to fresh incoming air.

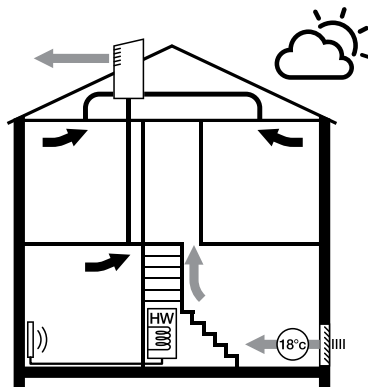
How does Ventive Home work?

Ventive Home is an environment management solution, providing ventilation, hot water and comfort by using exhaust air as a source of energy, combined with a high efficiency heat pumps and intelligent connected controls. Actively adapting to each individual home, the system provides outstanding energy performance at a manageable cost.



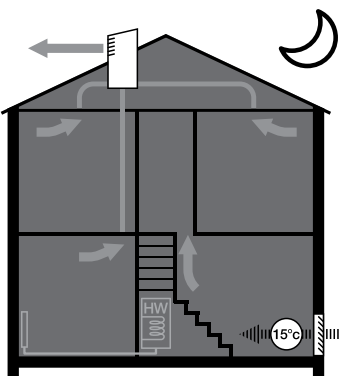
Heat recovery

Fresh incoming air passes through the Heat Exchanger, recovering heat from stale exhaust air to ensure maximum comfort for occupants.



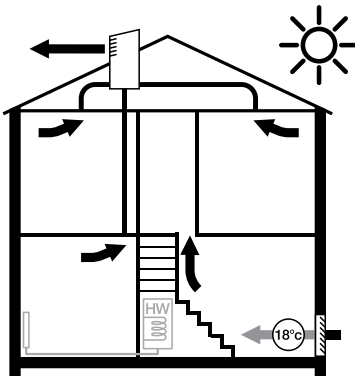
Comfort

Home dynamically adjusts to indoor and outdoor temperatures to provide a balance of heat recovery with air quality.



Passive cooling

Secure night-time cooling through a constant flow of air. Capable of 4 air changes per hour, this method can reduce temperatures overnight by up to 10°C.

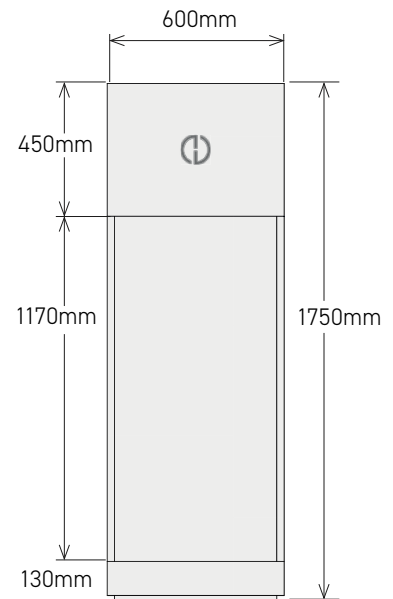


Summer operation

Incoming air is tempered by a heat pump to cool down, causing warm internal air to rise and be extracted through the roof. Providing a pleasant breeze for occupants.

Key:

 Cool air ■ Tempered air ■ Warm air



Performance:

Ventilation rate: 20-120 l/s (demand responsive)
 Heat Recovery & Heating: up to 4kW at 35°C
 Hot Water: up to 4.5kW at 70°C
 Night time cooling: up to 4 Air Changes per Hour
 Daytime cooling: up to 4kW at 15°C

Energy use:

Ventilation: 0W (passive)
 Heat Recovery & Heating: up to 900W
 Hot Water: up to 2.4kW (including 1.5kW backup)
 Night time cooling: 0W (passive)
 Daytime cooling: 900W (active)
 BREEAM credits: up to 6 (Hea02, Ene01, Ene04)

ventive

Thames House
 Swan Street
 London, TW7 6RS
 United Kingdom

www.ventive.co.uk
 +44 (0) 208 560 1314

Free Consultation:

Email us at: contact@ventive.co.uk quoting "Ventive Home" to get a free consultation on your next project. We offer a full design package that includes an IES report, thermal performance and BIM objects that provide precise modelling data.