

**DEVELOPMENT TARGETS**

T H E R M O  
T E R R A  
Improving the climate

**Thermo-Hydro ventilation unit**  
A novel fresh air humidity and temperature stabilziation unit.



**Temperature**

Manage the temperature towards the *ComfortZone*



**Fresh Air**

Bring in filtered and monitored fresh air



**Humidity**

Manage the humidity towards the *ComfortZone*

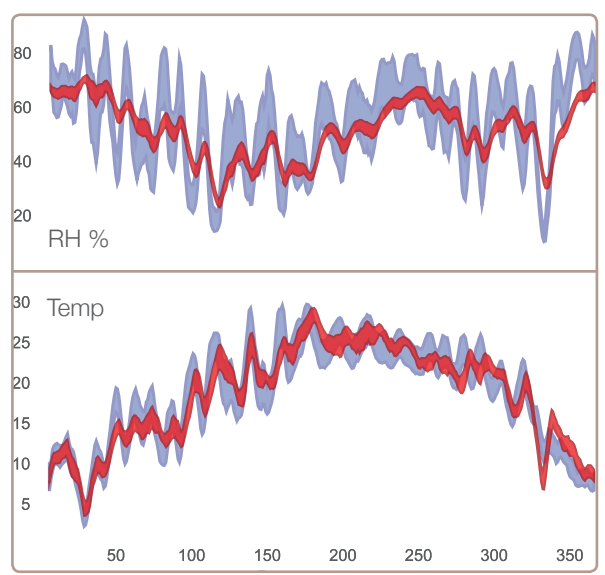
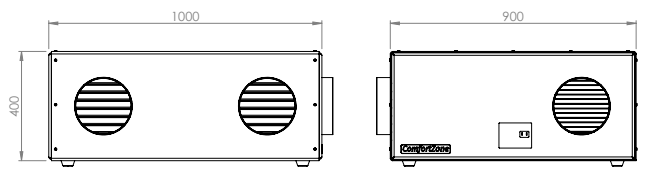
A major part of the energy invested in heating and cooling is spent during temperature and humidity peaks.

The novel ThermoTerra patent-pending technology stabilzes incoming fresh air by creating a destructive interference to eliminate those peaks, with near-zero energy consumption.

**Recommended for:** Offices, Schools, Private homes, Clinics, Labs.

**Key Features**

- Humidifier and dehumidifier, heater and cooler in one.
- Powered by fluctutaions in ambient conditions.
- Active material regeneration by natural conditions.
- Learning algorithm optimizes performance on the go. and switches regeneration, activation, and flow parameters.
- Can be used autonomously or in conjunction with other HVAC systems.
- Predict your savings using our site specific simulation, available online.
- Minimal maintenance.
- 1/10 electricity consumption compared to similar products
- Natural active materials and sustainable design
- Air filtering and optional air purifying cartridge.



■ Room with *Comfort Zone* ■ Room without *Comfort Zone*  
created using our simulation tool, results are for Jerusalem, using 2016 telemetry

Degree hours saving	20-90%, See Simulation.
Air Flow	580 m <sup>3</sup> /h
Power consumption	60W
Dimensions	1000X900X400mm
Air inlet size	8"
Total weight	50kg
Active material weight	30kg (dry)

