

# Technical Specifications VENTILATION



## 1. Heat Recovery

### Ventilation

<b>PRINCIPLE</b>	Controlled mechanical ventilation. Air injection in the frequently inhabited area (living room, bedrooms, etc.), extraction from “wet” spaces (bathroom, kitchen)
<b>NORM</b>	30 m <sup>3</sup> /h/person
<b>RECOMMENDATION</b>	Adjustment depending on air pollution

### Heat recovery

<b>PRINCIPLE</b>	Air-air heat exchanger: air recovery from vitiated air (without contact between the two flows)
<b>NORM</b>	Specific yield of over 80%

### Air-ground heat exchanger

<b>PRINCIPLE</b>	Pre-heating fresh air in very cold days and passive cooling of fresh air in very hot days by means of a Canadian well
<b>NORM</b>	Fresh air temperature > 0°C
<b>RECOMMENDATION</b>	Temperature benefit ( $\Delta T$ ) > 8°C