

ProAir

Heat Recovery Ventilation Systems



www.proair.ie

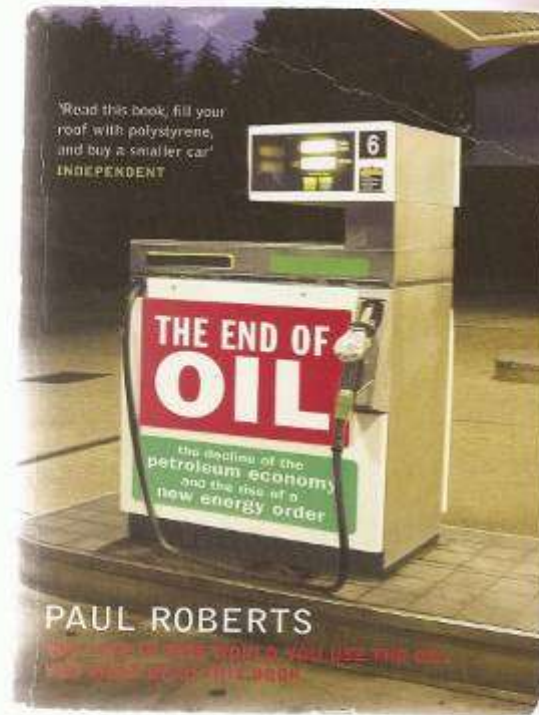


“.... a technology to change
the world.”


- Location
- Location
- Location

- 
- Energy efficiency
 - Health
 - Comfort

The global situation

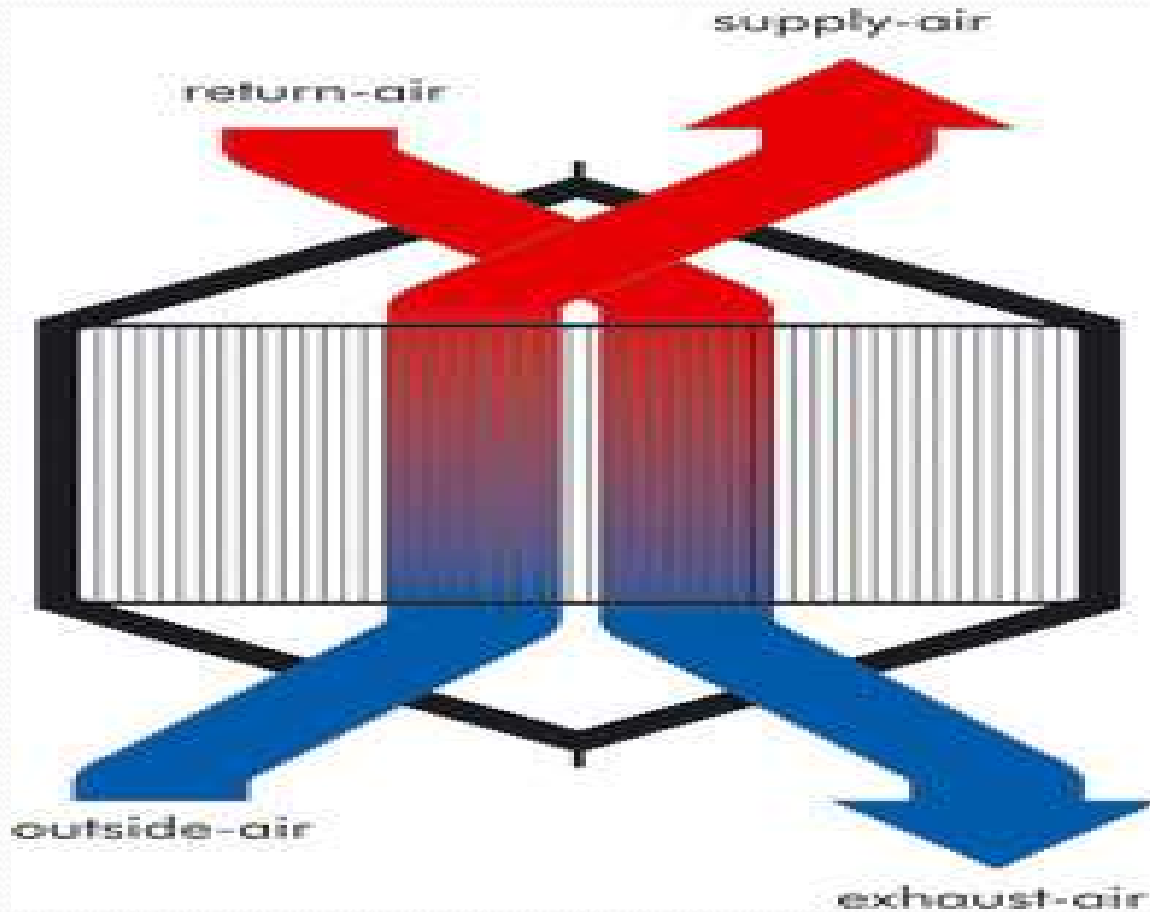


“...if the goes to \$100 a barrel, it will trigger a World recession.”



*A house is only air-tight
while the test is
underway*

Energy Efficiency



“Right-sizing”

Health

Fresh air @ 2°C
90% RH

Exhaust air @
4°C
70% RH



Air in @ 18°C
35% RH

Air out @ 20°C
65% RH

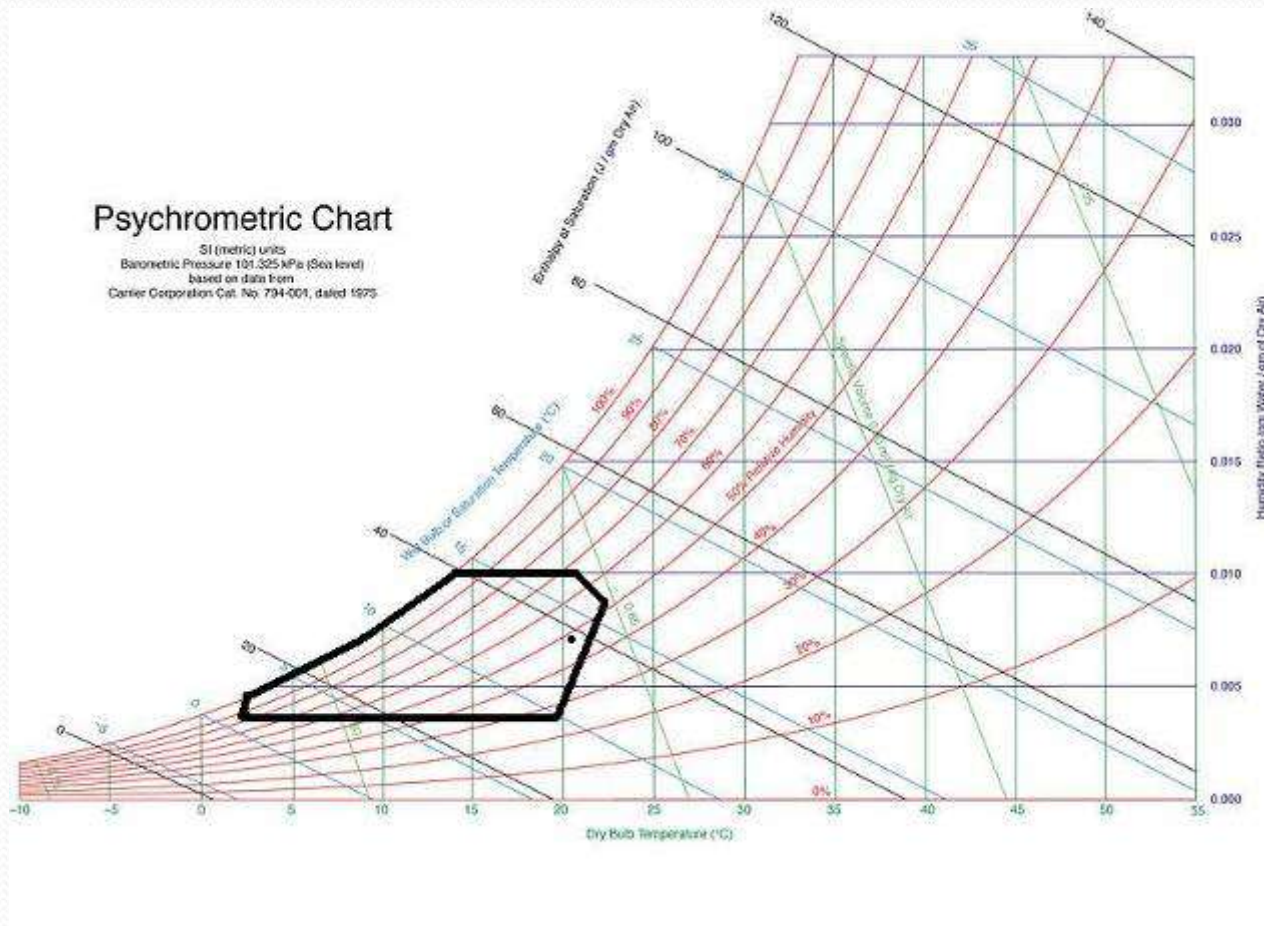
Condensation WHY?

- Inadequate heating and hence a lower dew-point.
- Excessive cold bridging.
- Inadequate ventilation.

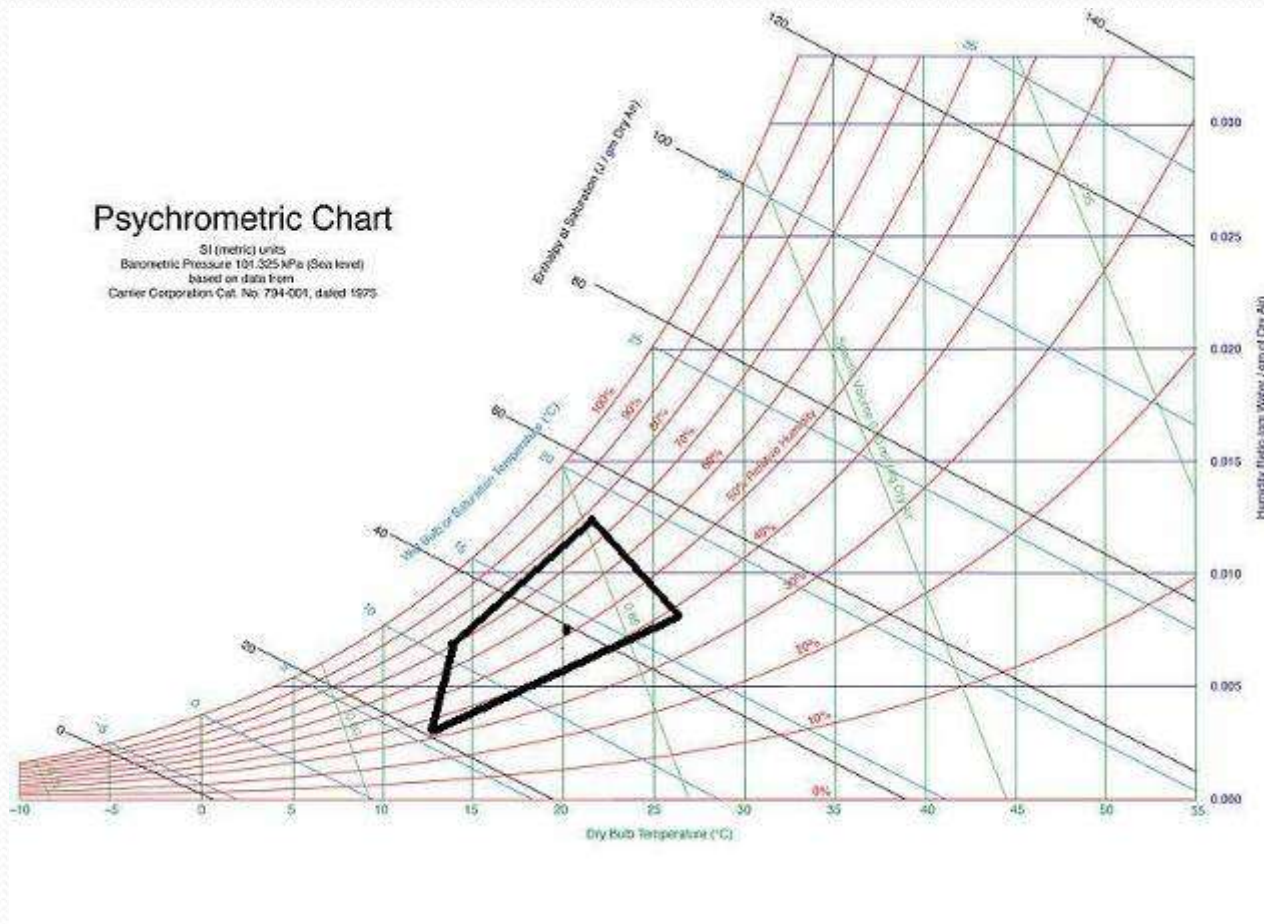
Relative Humidity

The ability of air to hold moisture relative to saturated air.

HRV process



Comfort zone



Designed for comfort

If the system is properly designed, then a visitor to your house will notice a fresh comfortable feel to the place, but should not be able to say why this is so.

This will be, because the visitor will not:

Not Hear the system
Not See the system
Not Feel the system







The future for ProAir

- **Continuous development of ducting and air delivery systems**
- **Launch of PA200 apartment unit.**
- **Development of passive house system incorporating heating/cooling.**

