



HEAT RECOVERY VENTILATION SYSTEMS

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HRV Training Course Notice

ProAir Systems will hold a day course in the Maldron Hotel Oranmore on Friday 18th July. The course will focus on the installation of heat recovery ventilation systems, the concepts and the technology which go alongside. Instruction and guidance provided will be based on many years experience of designing, manufacturing, installing and commissioning of such systems.

The first part will address some of the science underpinning HRV. Then the focus will be on the relevant regulations and system design. The second part will highlight examples of best practices of installation and commissioning

Course objectives;

To provide the course recipient with a basic understanding and appreciation of the following, as relevant to residential ventilation systems with heat recovery.

1. Correct utilisation of the terms used in the ventilation industry.
2. An overview of heat exchanger technology.
3. How to calculate air velocities given air flows and duct sizes.
4. System pressures and the consequences for efficiency.
5. Mould growth, its causes and prevention.
6. The hygroscopic properties of air as relevant to ventilation.
7. Efficiencies in fan and motor technologies.
8. How to design for comfort, in terms of airflow and air movement.
9. Design duct layouts which work, in a residential context.
10. Ventilation and acoustics.
11. Controls strategy for HRV
12. Air purification and filtration.

The course will also help participants

- Gain an appreciation of the relevant building regulations and codes.
- Inspire a confidence to convey to others the benefits of such systems and hence provide sales assistance.

It will also include practical tips on installation, design and commissioning of systems in various types of applications.

Agenda

09.45	Registration tea/coffee
10.00	Introduction /welcome
10.15	The science behind air
11.30	Basic building physics
12.15	Building regulations as applying to HRV
13.00	Lunch break
13.45	Ducting layout/Installation components
14.15	Ducting system and design
14.45	Commissioning / airflow balancing
15.00	Fan selection and performance analysis.
15.15	Controls
16.00	Indoor Air Quality (IAQ)
16.45	Recap
17.00	Close.

Fee €100 per person.

A 10% discount will apply to companies with 2 or more participants

Booking and

Further Details

Intending participants should contact ProAir Systems