



HEAT RECOVERY VENTILATION SYSTEMS

Hi-Tech House, Unit 18,  
Claregalway Corporate Park,  
Claregalway,  
Co. Galway.

Tel 091 73 9442 Int ++ 353 91 73 9442

Web: [www.proair.ie](http://www.proair.ie)  
[www.proair-systems.co.uk](http://www.proair-systems.co.uk)  
Email: [proair@proair.ie](mailto:proair@proair.ie)

## HRV Training Course Notice

ProAir Systems is holding a day course in the Claregalway Hotel, Claregalway on 17<sup>th</sup> April. 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 of the course 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