



HEAT RECOVERY VENTILATION SYSTEMS

Unit 1, Polkeen Industrial Estate

Castlegar, Tuam Road

Galway

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HRV Training Course Notice

ProAir Systems will hold a training course in its offices in Polkeen Industrial Estate, Castlegar, Tuam Road, Galway on **Wednesday 6th September 2017**. It will focus on the installation of heat recovery ventilation systems, the concepts and the technology which go alongside. The instruction and guidance provided will be based on many years experience of designing, manufacturing, installing and commissioning of HRV systems.

The first part of the course will address some of the science underpinning HRV. 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.

Course Material

On completion participants will receive;

- Certificate of completion
- Training Manual
- Design guidance documents
- Specification Documents
- AutoCAD library of components and details for HRV design

Agenda

09.15 Registration tea/coffee
09.30 Welcome/introduction
10.15 The science behind air
11.30 Basic building physics
12.15 Building regulations as applying to HRV
01.00 Lunch break

01.45 Ducting layout / installation components
01.46 Ducting system and design
02.45 Commissioning / airflow balancing
03.00 Fan selection and performance analysis.
03.15 Controls
04.00 Indoor Air Quality (IAQ)
04.45 Recap
05.00 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 by

Email: proair@proair.ie or
Tel: 091 73 9442