



## LCL - Ground Source Heat Pumps



### Course Aim

This course is an LCL Award RQF Level 3 in the installation and maintenance of heating pumps systems. This course is designed for experienced heating installers who wish to fit ground heat pumps in domestic and commercial properties.

This course covers both ground to water technologies and meets the training entry requirement for the Microgeneration Certification Scheme (MCS).

Given the legal obligations to reduce carbon emissions, including the introduction of the Boiler Upgrade Scheme, and the enhancement of Part L of Building Regulations emphasizing Low Temperature Heating and Hot Water Systems, heat pumps are becoming a natural progression in the heating sector. Therefore, heating installation companies and engineers, regardless of their specialization in gas, LPG, solid fuel, oil, or biomass, may wish to consider incorporating heat pumps into their services.



### Who Should Attend?

The Ground Source Heat Pump course is intended for experienced domestic heating installers who wish to up-skill to include ground source and/or air source heat pumps in their offering.

Delegates attending this course must hold one of the following:

- A Level 2 or Level 3 NVQ or SVQ in plumbing / heating & ventilation / gas / oil - Installation and Maintenance qualification
- A valid Core Gas Safety (CCN1) certificate - must be involved in the installation of heating systems



### Agenda

To understand

- Background to market
- Heat pump regulations and guidance
- The principles of ground and air source heat pump operation
- Heat pump collector types
- Heat distribution
- Pre-installations requirements
- Installation materials and methods
- Filling, flushing and testing
- Setting to work commissioning
- Heat pump servicing and fault finding



### Certification

Delegates successfully completing this course will receive a LCL Accredited Programme Certificate.



### Course Duration

This is a 2 day course.



### Maximum Delegates

Maximum attendees: 8 delegates.

**Safety / Value / Availability / Support**



- An OFTEC Oil certificate
- A valid HETAS certificate
- Two years minimum working in the plumbing and heating sector.

Operatives must also hold all of the following qualifications (if they are not held as part of an NVQ):

- WRAS Water Regulations
- Low temperature heating and hot water systems in dwellings training course