Pre-requisites

Provided that you hold a **Water Regulations** qualification, together with one of the **pre requisite qualifications** mentioned below, and are a **member of a Competent Person's scheme eg: Gas Safe**, you would qualify to **receive a rebate of £500.00** on the course fee of £595.00 (VAT exempt) upon successful completion of the 3-days of training.

N/SVQ Level 2/3 in Plumbing or equivalent earlier certification that provides evidence of competence.

or

N/SVQ Level 2/3 in Heating and Ventilating (Domestic Installation) or equivalent earlier certification that provides evidence of competence;

or

N/SVQ Level 2/3 in Heating and Ventilating (Industrial and Commercial Installation) or equivalent earlier certification that provides evidence of competence.

or

N/SVQ Level 2/3 in Oil-Fired Technical Services or equivalent earlier certification that provides evidence of competence.

or

N/SVQ Level 2/3 in Gas Installation and Maintenance or equivalent earlier certification that provides evidence of competence.

or

Heating installers with experience installing wet central heating systems, evidenced either by Gas Safe (CENWAT), OFTEC (OFT10-105E or OFT15-108W), MCS (Heat Pump or Solar Thermal Hot Water) or HETAS (H004) registration. The experience in these sectors will normally be 3 years, although where the initial assessment confirms the learner has the necessary skills, knowledge and experience which can be evidenced via RPL assessment this duration may be reduced.

I have included an overview of what will be covered, during the three days of training, for your review below:

Course breakdown

Core Unit – 2 days – Tuesday and Wednesday:

- What a heat pump is, the principle of the vapour compression system and system components.
- The different operational characteristics of each type of heat pump unit and system arrangement.
- The fundamental principles of heat pump efficiency and design selection that are common for heat pumps. The learner will know the fundamental principles of domestic hot water cylinder selection and system design that are common for heat pumps.
- The fundamental principles of hydraulic system design that are common for heat pumps.
- The fundamental principles of heat pump controls.
- How to plan and prepare for the installation of heat pumps.
- The requirements to install and test heat pump systems.
- The requirements to commission heat pump system installations.
- The requirements to handover heat pump system installations.
- The requirements for the handover of a heat pump installation
- The requirements for routine service and maintenance of a heat pump system installation.
- Undertake fault diagnosis work on a heat pump system installation.

Air Source Unit – 1 day - Thursday:

- The preparatory work required for the installation of an air source heat pump.
- The common requirements for the installation of an air source heat pump connected to hydraulic emitter circuits.
- Install heat pump units (non-refrigeration units).
- How to test and commission an air source heat pump system (non-refrigerant circuits).
- How to undertake the non-refrigerant circuit routine service and maintenance of an air source heat pump system (non-refrigerant circuits).