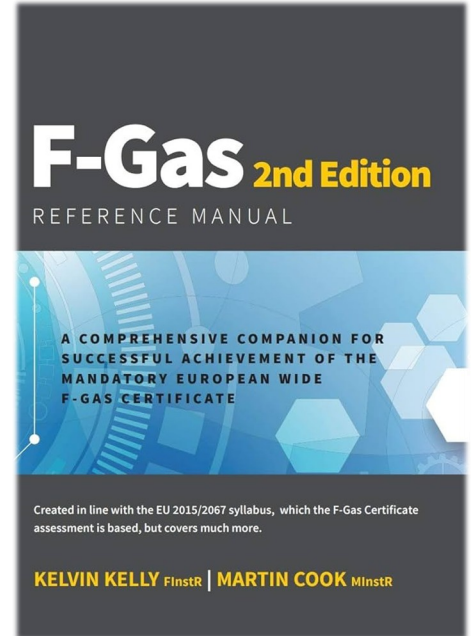




OCTOBER
2025

Training Course of The Month



Welcome to our first in a series of course spotlights, where we will be highlighting key areas of a specific course, training and assessments, FAQ's and all relevant details plus case studies and reviews.

We are extremely excited and pleased to have run our first F Gas training course here at Walsall Training Centre, last month and the course was very well received by all candidates attending, and with all passing with 100% pass mark ! This spotlight will hopefully give you some more information on the course itself, and any other relevant details.

What is F Gas?

F-Gas is short for fluorinated greenhouse gases. These are a group of man-made gases used in a variety of industrial and commercial applications, including refrigeration, air conditioning, heat pumps, insulation, fire protection, and even aerosol propellants. The main types you'll come across are: Hydrofluorocarbons (HFCs) Perfluorocarbons (PFCs) Sulphur hexafluoride (SF₆) Of these, HFCs are by far the most common, making up around 90% of all F-Gases in circulation.

"Really happy with everything on this course, very well explained on all topic areas and I learned a lot" student review Sept 2025

FAQs

What exactly is F-Gas?

F-Gas refers to fluorinated greenhouse gases. These are man-made chemicals used in refrigeration, air conditioning, heat pumps, and more. They're potent greenhouse gases, so their use is tightly regulated.

Do I need F-Gas certification to work with air conditioning?

Yes. If you install, service, or decommission systems containing F-Gases, you must be certified. It's a legal requirement.

What are the penalties for non-compliance?

Working without certification can result in fines and prosecution. Don't risk it-get trained and certified.

Are there alternatives to F-Gases?

Absolutely. Lower-GWP refrigerants like HFOs, R32, CO₂, propane, and ammonia are increasingly used as alternatives. Training is essential for safe handling.





Full Hands on Practical

Our up to date and modern training rigs will be in full use for the whole duration of your training program

Entry requirements

Candidates wishing to undertake this course must hold a recognised qualification like **ACS GAS / GAS SAFE REGISTERED / PLUMBING NVQ2** or other related industry sector or have a minimum of two years auditable experience working within the HVACR sector.

All candidates must have a good practical working knowledge of different soldering and brazing methods

“ Fantastic learning environment, good practical training and theory delivered very professionally , excellent course content” student review Sept 2025

Demand for Engineers

The demand for F-gas engineers is high and growing, driven by stricter environmental regulations, the mandated phase-down of high-Global Warming Potential (GWP) refrigerants, and the need for technicians who can work with alternative, lower-GWP alternatives. The industry also faces a significant skills gap, with an aging workforce and a forecast shortage of new technicians to meet the needs of sectors like refrigeration, air conditioning, and ASHP heating.

What Does F-Gas Training Cover?

Training includes the following topics:

- The fundamental principles of thermodynamics
- The environmental impact of refrigerants and corresponding environmental regulations
- How to carry out checks before putting in operation:
- After a long period of non-use
- After maintenance or repair intervention
- During operation:
- How to check for leakage
- Safe operation

You will learn how to handle the system and refrigerant during:

- Installation
- Maintenance
- Servicing or recovery in an environmentally friendly manner in accordance with the regulations.
- How to put into operation and maintain reciprocating, screw and scroll compressors, single and two-stage.
- How to install, put into operation and maintain air cooled and water cooled condensers.
- How to install, put into operation and maintain air cooled and water cooled evaporators
- How to install, put into operation and service Thermostatic Expansion Valves (TEV) and other components

How to build a leak-tight piping system in a refrigeration installation.



Training course overview

Our F-Gas training course is a level 3 regulated RQF qualification for learners that wish to work in the refrigeration, air conditioning and heat pump industries with fluorinated greenhouse gasses. This qualification meets the requirements of Regulation (EU) 2015/2067.

This qualification provides candidates with a category 1 certificate, which covers all F-Gas activities.

The leading F-Gas qualification available in the UK today, the course was developed and certificated by LCL Awards

“ Really good course, well delivered, relaxed atmosphere, very happy”

student review Sept 2025

“ Just want to say thanks to the training team, really knowledgeable ”

student review Sept 2025

How long is the F-Gas Level 3 course and what is the assessment process?

The course typically lasts 5 days, combining theory and practical training. Assessment includes a written examination and a practical skills test. Successful candidates receive a regulated LCL Awards Level 3 RQF certificate.

We also run a 3 day pre—course training program, designed for candidates with little knowledge or experience / confidence with F Gas.



**FOR MORE INFORMATION, AVAILABILITY AND COSTS
PLEASE GET IN TOUCH WITH THE TRAINING TEAM ON**

01922 612121

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CATEGORY GROUPS

There are 4 categories for this qualification, covering the industry competence certificate for Category 1.

You need a:

- **Category 1** certificate – to carry out all activities
- **Category 2** certificate – to install, maintain, service and recover refrigerant from systems containing less than 5 tonnes of CO₂ equivalent (CO₂e)
- **Category 3** certificate – to recover refrigerant from systems that contain less than 3 kg of F gas
- **Category 4** certificate – to check equipment for leaks if you don't break into the refrigeration circuit

