



REFRIGERATION AND AIR-CONDITIONING FOR EXISTING TRADESMAN AND TRADE LICENSING COACHING

PURPOSE OF THE COURSE

The purpose of these course is to enhance RAC Technician knowledge and skills to key safety classifications and technical properties of commercially-available flammable refrigerants.

Additionally, its impact important safety guidance in installation and servicing of room air-conditioners with cooling capacity up to 14 kilowatts, 48,000 BTU/hour or about 4 Refrigeration Tonnes (RT) and designed to use flammable refrigeration. These program is approved and endorse by OzonAction UN Environment protection and Conversation Environment Protection unit (NOU) PNG for regulatory compliance phasing-out of HCFC and CFC refrigerants.

PRE-REQUISITE

- Refrigeration & Air-conditioning Tradesman Certificate
- RAC Diploma or Bachelor Degree

THE OBJECTIVE OF THE COURSE

These course aims to provide the candidates or participants:

- GOOD SERVICING PRACTICES FOR FLAMMABLE REFRIGERANTS IN REFRIGERANT REFRIGERATION AND AIR-CONDITIONING EQUIPMENT AND PLANTS

COURSE OUTCOME

By the end of the course, the candidate should be able to:

- Identify and describe common types of flammable refrigerants
- Safely handle flammable refrigerants and cylinders and bottles
- Install and service flammable refrigerant equipment and plants
- Correctly and safely recover, evacuate and charge flammable refrigerant RAC equipment and plants

- Correctly interpret pressure-temperature charts for flammable refrigerants

COURSE OUTLINE

The course content covers the following areas:

- Common types of flammable refrigerant
- Safe handling of flammable refrigerant
- Good servicing practices for flammable refrigerant
- Dos and Don'ts checklist
- Pressure – Temperature chart of R-134A, R22, and R410A
- Pressure – Temperature chart of R-32, R290, and R-600A

CERTIFICATES

Participants will receive a **Certificate of Competency in Good Servicing Practices for Flammable Refrigerants** on successful completion of all required modules and assessment requirements

WHO SHOULD ATTEND

- Refrigeration & Air-conditioning Tradesman, supervisors and specialists
- RAC managers, team leaders and coordinators
- Recognition of prior learning and currentcompetencies will be considered onapplication.

MISCELLANEOUS

All candidates will need to demonstrate practically their understanding of required topics to be competent

TRAINING DETAILS AND COST

- Duration: 10 days
- Time: 08:30 – 16:00 pm
- Tuition Fees: TBA
- Minimum number of persons: 10 persons