

Course content 2 days for Technicians

(preliminary)

Introduction

- General about refrigeration technology
- Arguments for carbon dioxide as refrigerant
- Environmental effects of different cooling technologies and why environmental issues are our biggest challenge.
- Performance and measurement of COP
- Comparison with other refrigerants
- Introduction to CO2 technology

Theoretical overview of practical steps with CO2 as refrigerant

- Handling of gas, cylinders, couplings, hoses, etc.
- Draining and refilling the system
- Säkerhetsaspekter och säkerhetsutrustning
- Safety aspects and safety equipment
- Pressure test, equipment and handling (theoretical)

The Pressure Equipment Directive and general rules for handling CO2 as a refrigerant

- Introduction
- Equipment

CO2 system knowledge

- Refrigeration units and heatpumps
- Function of CO2 refrigeration systems
- Handling of control systems

Review of Commissioning adjustment of CO2 systems

- Refrigeration units and heatpumps
- Control system function and benefits of using the full range of control system functions
- Commissioning protocol
- Checklists

Material knowledge and soldering technology for CO2 systems

- Main components and characteristics

Course details

Duration

2 days

Location

Primary course location Stockholm Sweden
Nearest Airport, Stockholm Arlanda Airport

Course focus

Awareness of the role of the consultant/engineer as the linchpin between end users and contractors/suppliers of materials etc.

Motto

Learning by doing, learn things today – do things tomorrow, in your own professional situation.

Approach to the training

1. Explanation of the subject by the instructor.
2. Discussion and exchange of knowledge and experiences between participants and instructor.
3. Personal approach – present and wanted/ desired.
4. The participants practice the new behavior.

Size of the training group

7-12 participants

co₂Academy