TEKNOLOGISK INSTITUT

Kursus
2 dage
Nr. 27561 A

DKK 7.929
ekskl. moms

Dato
02-03-2020
07-09-2020

Sted
Aarhus
Aarhus

Training Course - Refrigeration Plant with CO2, Theory and Hands-on

This two-day training course in refrigeration systems with carbon dioxide (CO2, R744) covers the basics of design, operation and maintenance of refrigeration systems with CO2. The training course combines theory and practice; the emphasis is placed on hands-on exercises of operating different CO2 based refrigeration systems mixed with high quality theory presentations, discussions and knowledge sharing among the course participants on their experiences with refrigeration systems and CO2 as a refrigerant.

Contents
The following theoretical and practical topics are included:

- Basics of CO_2 as a refrigerant
- Safety of CO_2 and the choice of materials
- System design
- Overview of CO_2 systems; Industrial plants, supermarket plants, trans critical plants
- EU directive on pressure equipment and assembly methods related to CO_2
- Components
- Introduction to hands-on training; Cascade plants, industrial plants, trans critical plants
- Charging and discharging of the refrigeration system
- Operation, service and maintenance procedures for CO_2 systems

Class size is limited to ensure an ideal learning environment.

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Course Objective
After the course you will have gained:

- An understanding of the special circumstances of CO_2
- A basis for assessing the possibilities and limitations of CO_2 as a refrigerant
- The knowledge of how to construct a CO_2 refrigeration system (super- and subcritical)
- A basis for discussing the choice of components with suppliers
- Practical knowledge of safety conditions related to CO_2
- Practical experience in charging, discharging, commissioning, controlling and stopping cascade and trans critical CO_2 plants

Target Group
The course is designed for people working with design, calculation, dimensioning, and maintenance of CO_2 based refrigeration systems, e.g. consultants and project engineering and contracting refrigeration companies.

Course Fee
The course fee is inclusive of course materials, refreshments and lunch both days.
Accommodation and local transport from 200.00 EUR (two nights) depending on availability and your requirements. You will be on your own for dinner. You will find a large number of restaurants near your hotel.

Har du faglige spørgsmål så kontakt

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