



**Kursus**  
**2 dage**  
Nr. 27560 A

**DKK 7.929**  
ekskl. moms

**Dato**  
28-11-2022  
03-05-2023  
27-11-2023

**Sted**  
Aarhus  
Aarhus  
Aarhus

# Training Course - Refrigeration Plant with NH<sub>3</sub>, Theory and Hands-on

The two-day training course in refrigeration systems with ammonia (NH<sub>3</sub>) covers the basics of design, operation and maintenance of refrigeration systems with ammonia. The course combines theory and practice; the emphasis is placed on hands-on exercises of operating different ammonia-based refrigeration systems mixed with high quality theory presentations, discussions and knowledge sharing among the course participants on their experiences with refrigeration systems and ammonia as a refrigerant.

## Target group

The course is designed for people with limited experience with refrigeration plants with ammonia, e.g. users and owners of refrigeration plants, operation personnel, consultants and employees in refrigeration companies.

## Course fee

The course fee is inclusive of course materials, refreshments and lunch both days.

## Udbytte

## Course Objective

After the course you will have gained:

- An understanding of the special circumstances of larger NH<sub>3</sub> applications
- A basis for assessing the possibilities and limitations of NH<sub>3</sub>
- An insight into operation and maintenance procedures
- The knowledge of settings and adjustments of control equipment
- Practical knowledge of safety conditions related to NH<sub>3</sub>
- Practical experience with commissioning, controlling and stopping one and two stage training plants

## Det får du på arrangementet

- Øvelser og inddragelse
- Kursusbevis
- Erfaren underviser
- Fuld forplejning
- Materiale
- Gratis parkering
- Materiale på engelsk
- Undervisning på engelsk

## Contents

The following theoretical and practical topics are included:

- Basics of NH<sub>3</sub> as a refrigerant
- Safety of NH<sub>3</sub>
- Plant design and components
- Overview of NH<sub>3</sub> applications: cold storage, food processing, chillers
- Operation, service and maintenance procedures
- Hands-on training on one and two stage training plants, e.g. start/stop, measurement and processing of data as well as setting and adjustment of control equipment

Class size is limited to ensure an ideal learning environment.



### UNDERVISER

## Svenn Ole Kjøller Hansen

Svenn Ole Kjøller Hansen is head of the educational activities in the Center for Refrigeration and Heat Pump Technology at the Danish Technological Institute. He has more than 25 years of experience in the field of refrigeration and is a very experienced teacher.

## Har du faglige spørgsmål så kontakt

Svenn Ole Kjøller Hansen  
+45 72201267



TEKNOLOGISK  
INSTITUT



[sha@teknologisk.dk](mailto:sha@teknologisk.dk)