GEA Bock Training 2020
For specialists in the refrigeration and air conditioning sector
In the last few years, CO₂ has grown steadily in importance as a natural refrigerant in many refrigeration, air conditioning and heat pump applications.

The rising demand for the use of natural refrigerants is driven to a large extent by the growth of regulations and environmental awareness in numerous markets.

Together with Danfoss, GEA Bock therefore offers special user training for interested experts. There is a complete transcritical CO₂ supermarket refrigeration unit using the latest CO₂ technology in operation in GEA Bock’s Training Centre (with a heat recovery system + air conditioning + parallel compression + ejector) in order to make the seminars as practical as possible.

Course content
- CO₂ basics
- Safety requirements
- Maintenance and service
- System technologies and applications
  (CO₂ subcritical and transcritical, cascade and booster systems)
- Compressor technologies
- Software for compressor and CO₂ system design
- System control and monitoring
- System components and further information
- Practical seminar on the CO₂ booster training system
- Compressor inspection (Bock HGX34 CO₂ T)
- Tour of factory

Course date / course language
- 22.–23. january 2020 / English
- 29.–30. january 2020 / German
- 12.–13. february 2020 / English
- 26.–27. february 2020 / German
- 25.–26. march 2020 / German
- 29.–30. april 2020 / German
- 13.–14. may 2020 / English
- 27.–28. may 2020 / German
- 22.–23. july 2020 / English
- 29.–30. july 2020 / German
- 02.–03. september 2020 / German
- 16.–17. september 2020 / English
- 28.–29. october 2020 / German
- 18.–19. november 2020 / English
- 25.–26. november 2020 / German

Course fee
The 2-day CO₂ training course costs 280 euros.
Workshop for technicians
FK/HG compressors

GEA Bock offers the right compressor for all areas of bus and rail air conditioning and for refrigerated transport.

The vehicle compressors in the FK series are the result of decades of experience in vehicle air conditioning systems. They are specially designed for mobile applications and therefore meet the high quality demands in this field.

The HG compressors in aluminum design were developed specially for the requirements of mobile applications. Thanks to their lightweight aluminum design, GEA Bock offers the perfect solution for all applications where the weight of the compressor is important – regardless of whether for rail, bus or mobile air conditioning.

In our workshops for technicians, you will have the chance to get to know our mobile compressors better. And it’s not all theory as the opportunity to dismantle and reassemble a compressor in the practical part of the workshop is particularly helpful.

Course content
- Applications where the compressors are used
- Technical characteristics/features
- Refrigerants and oils
- Reasons for failure and consequential damage
- Practical section: Participants to dismantle and reassemble an FK40 or HG34 aluminum compressor on their own
- Practical tips and tricks for daily work

Course date / Course language
- 05.–06. February 2020 / German
- 07.–08. October 2020 / German

Course fee
The workshop for technicians costs 125 euros.
These compressors of the highest quality standard excel in their running comfort, easy maintenance, efficiency and reliability. The participation in the practitioners’ workshop is the best opportunity to learn more about the products and its technology, both in theory and in practice.

**Course content**
- Application field of the compressors
- Technical specifications and highlights
- Electrotechnology and compressors
- Refrigerants and oils
- Practical section: Electrical failure analysis, disassembly and assembly of a semi-hermetic compressor
- Failure causes and consequential damages
- Practical tips and tricks for your everyday work
- Factory Tour

**Course date / Course language**
- 03.–04. February 2020 / German
- 05.–06. October 2020 / German

**Course fee**
The workshop for technicians costs 125 euros.
Participation

What you need to know to register

To attend the course, you must be a qualified refrigeration system fitter, mechatronics technician for refrigeration technology or trades with similar training which enables you to service, install, maintain and repair refrigeration and air conditioning systems. It must be possible to assess work to be carried out.

The minimum number of participants required for a course to be organised is 10 persons (CO₂) and 5 persons (workshop). The maximum number of participants is limited to 15 persons for CO₂ and 16 persons per workshop. Exceptions on request only.

Cancellation
If written cancellation is received at least 2 weeks prior to the scheduled date of the training, cancellation will be free of charge. If cancellation is received 2 weeks or less prior to the scheduled date of the training, the full course fee will be charged. We will gladly accept substitute participants without additional cost.

Accommodation
As the training is held over two days, you have the chance to book one of the following hotels:

Hotel am Schlossberg
Europastrasse 13
72622 Nürtingen
Tel.: +49 7022 7040
info@hotel-am-schlossberg.de
www.hotel-am-schlossberg.de

Hotel Restaurant Traube
Hauptstrasse 24
72639 Neuffen
Tel.: +49 7025 92090
traube-neuffen@t-online.de
www.traube-neuffen.de

VENUE
Training sessions are held in our Training Centre in Frickenhausen:

GEA Bock GmbH
Nürtinger Straße 39-40
Benzstrasse 5
72636 Frickenhausen

REGISTRATION
Stating the title of the course, the names of the participants and the company by email to:
tanja.sensbach@gea.com
or angelika.peter@gea.com
We live our values.
Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is one of the largest technology suppliers for food processing and a wide range of other industries. The global group specializes in machinery, plants, as well as process technology and components. GEA provides sustainable solutions for sophisticated production processes in diverse end-user markets and offers a comprehensive service portfolio.

The company is listed on the German MDAX (G1A, WKN 660 200), the STOXX® Europe 600 Index and selected MSCI Global Sustainability Indexes.