



2027 TRAINING PROGRAM

High-Pressure Compressors
Filling Systems:
User, Technical, and Operator Training

Manufacturer-Independent



YOUR SAFETY IS OUR SUCCESS

MEANINGFUL AND NECESSARY IDE-KOMPPLAN COMPRESSOR SEMINARS

“Of course, training costs money. You can invest money in machinery, cars, and real estate.

*Why not invest in something that lasts and promises an immediate return?
Invest in your professional development—and thus in your safety.”*

The seminars offered by KOMPPLAN are manufacturer-independent, necessary, and essential for ensuring safe operation and proper handling of filling systems. These seminars are also an absolute must for obtaining certain diving certifications and complying with certain legal requirements.

At large filling stations and dive centers, the failure of a compressor system or the filling of contaminated breathing air due to poor or improper maintenance or handling is usually associated with significant damage to reputation and financial losses. This can only be prevented through in-depth technical knowledge and proper handling of the equipment.

Compressors are not complicated machines, and with the basic knowledge taught in our seminars, participants should be able to operate them, perform the most important maintenance tasks, and carry out minor repairs properly.

Why High-Pressure Compressor Seminars?

Breathing air that is clean and pure in accordance with DIN EN 12021:2014 (formerly DIN 3188) is the best prerequisite for safe diving. To ensure this, two basic requirements must be met: a filling system that complies with strict technical regulations and proper operation. Above all, however, the relevant safety regulations must be strictly observed and adhered to. Improper operation or system failure not only results in financial losses but can also lead to accidents involving operating personnel or divers. The skills taught in the practical portion of our seminars and the technical knowledge gained in the theoretical portion will help you operate and maintain a breathing air filling system safely, competently, and in accordance with regulations.

As a commercial operator of a compressor and/or a filling system, you are required to hold a certificate of competence to operate the system, as mandated by the Industrial Safety Regulation. As soon as the system is made available to others, approval from the relevant authority is also required!

This seminar provides you with legal certainty regarding liability risks associated with the operation of filling systems.

The expertise in operating a breathing air compressor system taught in our seminars is based on the requirements of the Industrial Safety Regulation (BetrSichV 2015) and the corresponding Technical Rules (TR 401).

The theoretical portion explains how the systems work and how they relate to one another, and is designed to familiarize you with the legal requirements for operating a breathing air filling system. All operators must be familiar with these regulations, which is why this is a key focus of our seminars. The practical portion provides you with the necessary knowledge to perform maintenance tasks that, according to the manufacturer's instructions, must be carried out by the operator. It is also designed to enable you to perform minor repairs in consultation with the manufacturer.

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INSTRUCTOR



Stephan Adam

Manufacturer and Inspector for high-pressure compressor systems and filling systems; Founder and till 2026 owner of IDE-COMPRESSORS. Expert in accordance with TRB 502 §32 of the Pressure Vessel Ordinance; Expert in accordance with the European Pressure Equipment Directive 2014/68/EU; Qualified Person in accordance with §2(7) of the Industrial Safety Ordinance

Phone: +49 (0) 1714205521

Email: seminar@Kompplan.de

Website: www.kompplan.de

Organizational Information

Registration

To register, please use our online registration form at:

<http://www.ide.de/de/atemluft-hochdruck-seminar/seminaranmeldung/>

or follow this path:

www.ide.de > Seminar Offerings > Seminar Registration

Click on the "Seminars" line and select the desired seminar.

Please note that your registration is binding. However, your right to participate is only confirmed after you receive written confirmation from Kompplan and the participation fees have been credited to our account. You will receive an invoice from Kompplan with our bank account information.

Cancellation

If the number of participants is too low, we reserve the right to cancel courses up to 6 business days before they begin. In this case, the course fee already paid will be refunded.

You also have the option to cancel booked courses free of charge up to 8 business days before the start date. However, this must be done **in writing**.

After that, 70% of the course fee will be charged.

Any cancellation fees for airline/train tickets and travel expenses will not be reimbursed.

Please note that 100% of the participation fees will be charged for unexcused absence from a confirmed seminar.

Course Fees

Prices include the applicable sales tax and cover seminar materials and certificates, as well as beverages and pastries served during the seminar.

For group bookings of 3 or more participants, we offer a 10% discount on all courses.

Hotel Recommendations

If you need a hotel, we recommend the following accommodations.

See below for registration and contact information.

Seminar Venue

MY HOME | MY HOTEL
ROSENHEIM

Am Oberfeld 25
83026 Rosenheim
+49 (0)8031 617 48-0
info@myrosenheim.com



Our Seminar Room



Directions

A8 Highway, Rosenheim Exit



Online Operator Seminar for High-Pressure Compressors and Breathing Air Filling Systems

Target Audience: Participants from the fields of breathing air, firefighting, diving, and industry. In particular, operators of high-pressure compressors and filling systems who want to independently identify and professionally resolve faults—e.g., equipment operators at fire departments, police departments, diving clubs, hyperbaric chambers, and industrial customers.

The seminar is designed to be manufacturer-independent.

This seminar is a prerequisite for participating in the technical seminars and for obtaining the qualification as a “Competent Person according to BetrSichV”; it is also a required supplementary training course for the diving instructor exam and serves as the foundation for the Professional Technical Seminar.

Theory: Fundamentals for operators regarding the operation of filling systems and high-pressure compressors; safety regulations in accordance with applicable laws and standards; accident prevention regulations; maintenance and installation regulations, training instructions, TRBS, Risk assessments—case studies Ordering the correct consumables
Maintenance regulations, Industrial Safety Ordinance, hazardous substances, GUV
Integration into any existing ISO 9001 quality management system

Practical Application: Proper and safe filling of breathing apparatus and scuba tanks.
Identifying malfunctions and taking appropriate measures and responses to such malfunctions.
Proper operation and monitoring of the filling system and the compressor. Discussion of specific customer issues

Benefits: Upon successful completion, the participant will be qualified and authorized to competently operate and maintain a filling system.
With this qualification, the graduate is able and authorized to conduct the annually required training for operating personnel on the operation of the filling system in accordance with the German Industrial Safety Regulation (BetrSichV).

Duration: Approx. 2 hours

Organizer: IDE-KOMPPLAN Compressed Air Solutions

Location: Website: www.kompplan.de

Registration: <https://kompplan.de/>

Cost: €249.00 plus VAT

Note: The seminar fee includes a participant certificate and seminar materials.

For liability reasons, every equipment maintenance technician and operator should be able to present this operator seminar certificate, which is valid for 3 years!

Compressor Technology, Filling Systems – Basic Level

Target Audience:	Participants from the fields of breathing air, firefighting, diving, and industry. Graduates of the operator seminar and individuals who already have extensive experience working with high-pressure compressors and wish to expand their knowledge regarding troubleshooting and repair. Among other things, this seminar is a prerequisite for obtaining the qualification of a “Competent Person pursuant to Section 2 of the Industrial Safety Regulation” and for the training instructor exam
Content:	Hands-on work directly on the compressor with an introduction to the basic functions of a high-pressure compressor. How to properly set up a system; explanation of the installation regulations that must be observed Important technical rules, standards, and safety regulations; how to prevent accidents Identifying malfunctions in a pre-prepared system and resolving them through disassembly and reassembly. Which consumables and replacement parts do I need to order for the system and the relevant peripherals, how do I use them, and which ones should I keep in stock? Introduction to control systems and electrical assemblies Air treatment systems, breathing air analysis according to DIN/EN 12021:2014; explanation of various air quality monitoring systems; system installation; proper compressor room design; planning guidance; discussion of specific customer issues
Benefits:	With these advanced skills, participants will be able to identify and operate the various compressor control systems, diagnose and—in most cases—resolve mechanical and electrical faults, and perform a breathing air analysis. Please don't forget to wear appropriate protective clothing! You are welcome to bring your own portable compressor (up to 260 L/min) with prior notice; it can then be inspected and serviced during the seminar.
Duration:	1 day
Number of pax	12 participants
Organizer:	IDE-KOMPPLAN, Compressed Air Solutions
Venue:	MY HOME MY HOTEL ROSENHEIM, Am Oberfeld 25, 83026 Rosenheim
Start - End: Dates:	8:30 a.m. – 12:00 p.m. and 1:30 p.m. – 4:30 p.m., April 6, 2027 July 6, 2027 September 7, 2027
Registration Type:	Online Registration
Cost:	EUR 360.00; the seminar fee includes a participant certificate, seminar materials, lunch, beverages during the seminar, and afternoon coffee with pastries.

Upon successful completion, participants will receive a certificate. Please note that this is not an operator's certificate authorizing the holder to train filling personnel in accordance with Section 32 of the Industrial Safety Regulation.

Compressor Technology – Professional Level Breathing Air Quality – Air Quality Monitoring

Target Audience:	Service technicians from the fields of breathing air, firefighting, diving, and industry. Graduates of the Basic Technical Seminar and individuals who already have extensive experience working with high-pressure compressors and wish to expand their knowledge of compressor internals and operation. The seminar is designed to be manufacturer-independent.
Content:	Troubleshooting and repair of a specially prepared system Learn about the inner workings of a compressor block and the air flow path (flowchart) through the 3-stage 3–7.5 kW and 4-stage 11–18.5 kW compressors; perform professional troubleshooting, isolation, and proper repair; adjust and test safety devices Introduction to and programming of one of the most advanced CAN-bus control systems. Working with an online air quality monitoring system with sensor calibration; compliance with various regulations; documentation Ordering the correct replacement parts; discussing specific customer issues
Benefits:	With these advanced skills, participants will be able to identify and correct errors, malfunctions, and defects in a high-pressure piston compressor, as well as adjust and inspect all safety devices on a high-pressure compressor filling system. Please bring appropriate protective clothing!
Duration:	2 days
Number of pax:	8 participants
Organizer: Venue:	IDE-KOMPPLAN, Compressed Air Solutions MY HOME MY HOTEL ROSENHEIM, Am Oberfeld 25, 83026 Rosenheim
Start - End:	Day 1: 9:00 a.m. – 12:00 p.m. and 1:30 p.m. – approx. 5:00 p.m. Day 2: 8:30 a.m. – 12:00 p.m. and 1:30 p.m. – approx. 4:00 p.m.
Dates: German	November 9–10, 2027,
Dates: English	November 12–13, 2027,
Registration	Online Registration
Type: Cost:	EUR 650.00 per person; the seminar fee includes a certificate of participation, seminar materials, lunch, beverages during the seminar, and afternoon coffee with pastries.

Upon successful completion, participants will receive a certificate.

Equipment and Layout of Facilities for Compressors and Filling Systems

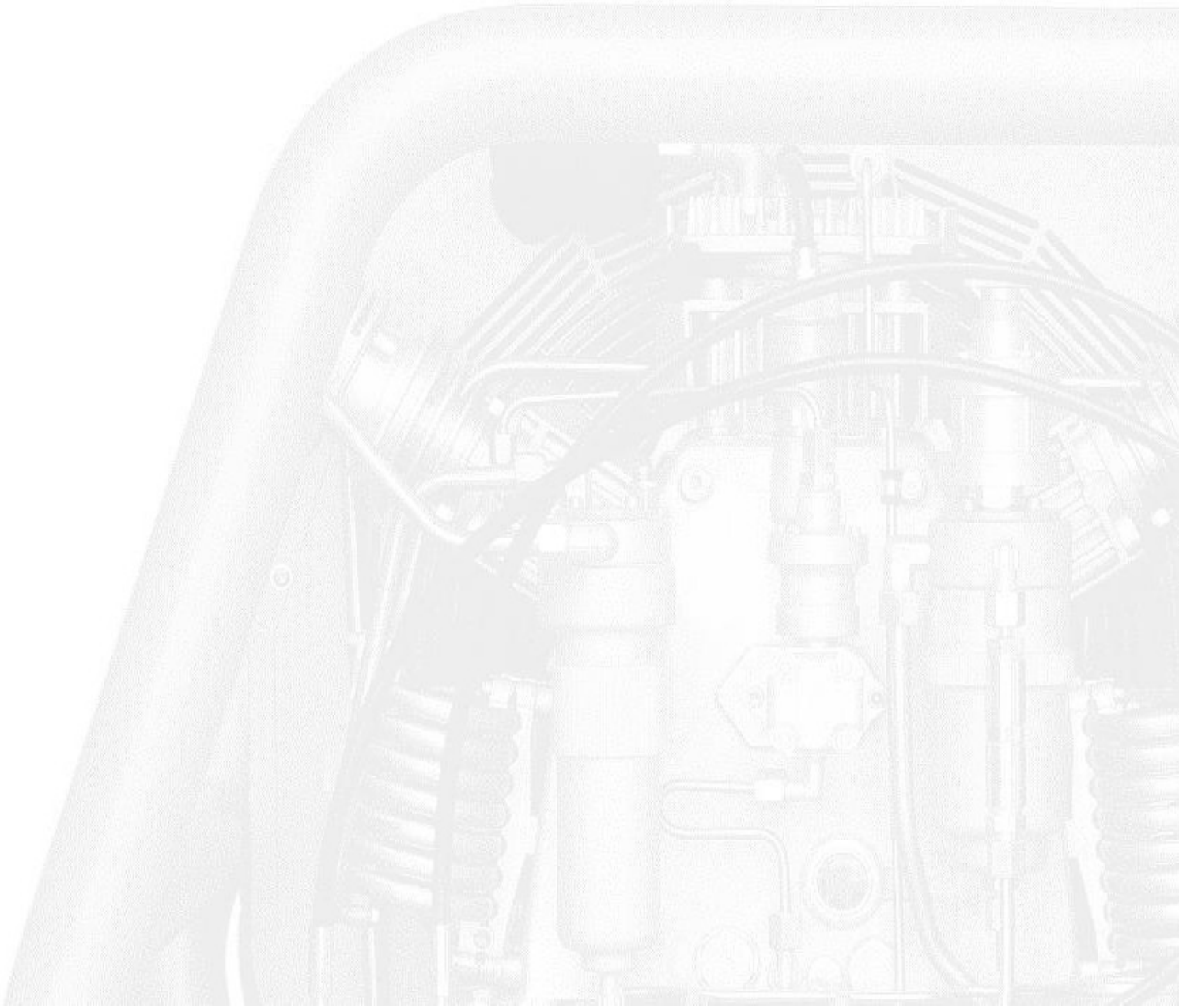
Target audience:	Diving school operators, filling station installers, planning firms, architects, engineers, and anyone involved in or commissioned to plan and construct fire stations, firefighting equipment workshops, and respiratory protection workshops.
Content:	Basic function of a high-pressure compressor and a filling station; specific spatial requirements, air supply, cooling, cleanliness, temperature; safety regulations in accordance with the Technical Rules for Gases, the Industrial Safety Ordinance, and the breathing air standard DIN/EN 12021-2014; Product Safety Act; accident prevention regulations Special considerations when handling various gases, particularly O_2. Pipe installation, high-pressure piping, electrical systems Monitoring the air quality of the breathing air to be compressed
Benefits:	Upon completion, participants will be able to properly and professionally plan and set up a facility for operating a high-pressure compressor and a filling system in accordance with the technical rules and relevant laws.
Duration:	1 day
Number of participants:	15 people
Organizer:	IDE-KOMPPLAN, Compressed Air Solutions
Location:	SPORTHOTEL WILDER KAISER Astl-Reisen GmbH Naunspitzstr. 1, 83080 Oberaudorf Also available on-site at your location upon request
Start – End:	9:30 a.m. – approx. 4:00 p.m.
Date:	May 7, 2027
Registration Type:	Online or by email to "seminar@kompplan.de"
Cost:	€280.00 per person

On-site training in Germany and abroad

Depending on your needs and the availability of appropriate equipment and facilities, we can also offer on-site training at your location by prior arrangement.

Please contact us by email; we'd be happy to advise you. We look forward to your participation!

IDE-KOMPPLAN
Compressed Air Solutions





IDE-KOMPPLAN

+49 (0)1714205521

seminar@kompplan.de | www.kompplan.de



Leading Company
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