

JORDAIR TRAINING - COURSE OVERVIEW

LEVEL ONE - 1 Day Course

\$450.00 per individual plus tax

The Level One program covers the theory, operation, & basic maintenance of our high-pressure breathing air compressor systems. This one-day program is open to all applicants and covers the most up to date regulations of the CSA Standard Z180.1-19 on the care and use of breathing air compressor systems.

Upon successful completion of this course (achieving a score of at least 70% on the exam) participants will be certified to perform basic maintenance, including filter & oil changes, on standard Jordair compressors.

LEVEL TWO - 2 Day Course (Includes Level One)

\$900.00 per individual plus tax

The Level Two program is a technically advanced course that builds upon the Level One course with both classroom instruction and hands-on training in compressor block servicing. In this two-day program students will learn to perform complex service procedures and will be required to disassemble and reassemble a compressor block in Jordairs training facility.

Upon successful completion of this course participants will be certified to perform the 1000- & 2000-hour service intervals on Jordair compressors.

PREREQUISITES:

- Minimum 2 years' mechanical experience including comprehensive shop tool knowledge
- Minimum 2 years' experience servicing high pressure compressors while holding a valid Level One certification from Jordair

NOTE: Applicants without the requisite experience will not be admitted to the Level Two course

RE-CERTIFICATION COURSE

\$225.00 per individual plus tax

The one-day recertification course is made available to those individuals whose certificates are up for renewal and those who wish to stay up to date with new products, new block designs, modifications, and upgrades with existing products and CSA Standards.

***Note:** Students whose certificates have expired will have a 3 month grace period to recertify. After this time, the full course must be completed. Level Two students who would like to attend both days can do so for 50% of course cost.*

Upon successful completion of the course certification is valid for Two (2) Years

- All courses begin at 8:00 am and continue until 4:30pm with breaks for lunch and coffee.
- Each training session will include a presentation of safe working practices and procedures when maintaining and operating high-pressure breathing air compression systems.
- Troubleshooting techniques will be covered to identify and correct problems related to specific components of the equipment.
- Training manuals and all class material will be supplied by Jordair and may be retained by the student.
- Accommodation and transportation are the responsibilities of the student.
- Certification is given after the successful completion of the course, in accordance with the factory requirements for authorized technicians.
- Jordair reserves the right to revoke any certificates as a result unsafe work being performed and inability to follow CSA regulations.

LEVEL ONE

Theory, Operation, and Basic Maintenance of Jordair Systems

This one-day course is a classroom lecture covering all the topics listed below which includes a tour of the production floor facility. Upon successful completion of the course and achieving a score of at least 70% on the exam, participants will be certified to perform basic maintenance, including filter & oil changes, on standard Jordair compressors.

SYSTEM OVERVIEW

- Cylinder refill system basics
- Compressor sizing and electrical requirements
- Installation requirements: compressor location, ventilation, tubing, electrical connection & start-up process
- Safety regulations and guidelines

COMPRESSOR & CONTROLS

- Airflow, compression process, pressure etc.
- Valve operation, inter-stage safety valves, intercoolers, final stage floating piston, start-up process
- Cooling & compressor rotation
- Oil change procedure
- Operation of the final pressure switch, oil pressure switch, H.A.T. switch, auto drain system, & electrical controls
- Standard maintenance procedures and guidelines

PURIFICATION SYSTEM

- Purification process including final separator, check valve, filter chambers, & pressure maintaining valve
- Filter/Separator chamber lifespan and replacement requirements
- Proper service process and intervals of separators & filters
- Air test procedures

AIR QUALITY MONITORS

- Moisture monitoring system (Securus)
- CO monitoring system

STORAGE SYSTEMS

- ASME & DOT storage vessels
- Bulk storage vs. cascade storage

SCBA FILL STATIONS

- Regulator panels
- Review of all models of fragmentation fill stations

WARRANTY CLAIMS & MANUALS

- Warranty forms, terms, & registration process
- Compressor serial number & meanings for identification of blocks

LEVEL TWO

Compressor Block 1000 & 2000 Hour Service

This two-day course is a hands-on class for experienced technicians, students in the Level Two course are expected to disassemble a compressor block and perform a full valve head service. Applicants for this course must be confident working with shop tools, have significant mechanical knowledge, and have previous experience with high pressure compressor maintenance. Applicants must also have held a Level One certificate from Jordair for at least 2 years before being eligible for this course.

Note: This course includes Level One training

1000 HOUR & 2000 HOUR COMPRESSOR BLOCK SERVICE

- Removal of heads and valves for inspection
- Installation of new valves
- Re-installation of heads
- Instruction on proper torque procedures
- Inspection replacement of oil pump drive belt/chain
- Service of auto drain system

ADDITIONAL DETAILS

A deposit of \$200.00 per student is required for seat reservation, as the course tends to fill up quickly. The deposit is non-refundable and is credited towards the overall course fees. The deposit can be paid either by credit card (Visa/MasterCard) or cheque made payable to Jordair Compressors Inc. Once the deposit is received along with the completed application form, a confirmation letter will be issued.

All class fees are non-refundable. If a cancellation is received at least (30) days prior to the scheduled class date, applicant will be given credit to attend a future class date (subject to availability). If cancellation is received less than (30) days prior to the scheduled class, applicant will forfeit their deposit of \$200.00.

The remaining balance is invoiced and must be paid prior to the start of the course. If your company has an account with Jordair, the remainder balance will be billed on Net 30-day terms.

Please feel free to contact the school coordinator for a course schedule or any further information.

Jeff Forbes

School Coordinator

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