

Gardner
Denver

Explosive Environment Solutions

Turnkey Solutions for EPC Contracts





About Gardner Denver

Gardner Denver, with more than 150 years of experience, is the parent company of CompAir and is headquartered in the USA. A leading global provider of compression, vacuum and associated aftermarket equipment, Gardner Denver has manufacturing facilities in more than 30 countries worldwide.

The Gardner Denver Industrials Group designs, manufactures, markets and services rotary screw, reciprocating and sliding vane compressors in addition to multistage, positive displacement and centrifugal compressors, plus blowers and vacuum pumps.

In order to service the Engineering, Procurement and Construction (EPC) market, we deliver successful

outcomes, a wide range of compressed air and vacuum machines, industrial engineered solutions and customised projects. We provide full turnkey solutions from initial site surveys through to design, installation and final commissioning. Our fully qualified engineers assess all critical factors to ensure the complete compressor installation functions reliably whatever, the environment.

ATEX & IECEx Certificates

As specialists in compressor and blower technology for conveying air and gaseous media, Gardner Denver products have been independently tested and accredited for ATEX and IECEx applications and are certified for use in potentially explosive environments.



Explosive Environment and Zone 2

The definition of Zone 2 is a hazardous area classified as an atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation, but if it does occur, will persist for a short period only. Zone 2 hazardous areas are typically storage areas but can also be process areas.

Gardner Denver air-cooled oil-free screw compressors are equipped with certified motors, instrumentation and PLC controllers. These machines are ideal for hazardous environments where sparks or high ambient temperatures might otherwise ignite explosive gases, vapours or dust. Each unit is separately tested and will meet the following explosion proof classes.

User friendly Zone 2 Compressors

Gardner Denver have a long tradition of providing solutions for explosive environment applications. Having worked on some of the largest projects around the globe, we have many years of expertise in providing IECEx certified air-cooled oil-free screw and ATEX certified air-cooled oil injection screw compressors. In addition, we deliver certified instrumentation, ATEX certified PLC control panel, pneumatic operated LCP for air dryers, explosion proof certified junction boxes, cable glands and IS barriers.

Our equipment is designed to provide air for a multitude of applications in complex conditions. We are proud to deliver innovative products with technologically advanced features that ensure moving units from different applications or sites is simple. These compressors are user-friendly, easy to service, and economical in operation, delivering best-in-class cost of ownership.



Benefits at a glance

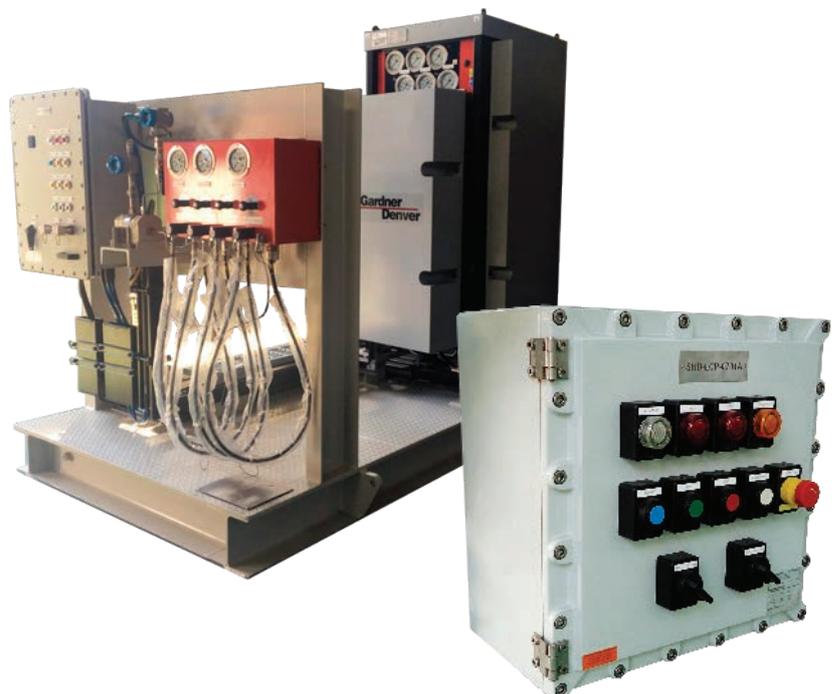
- Explosive environment and zone 2 operation
- IECEx certified air-cooled oil-free screw and ATEX certified air-cooled oil injection screw compressors
- User-friendly
- Easy to service
- Economical operation
- Best-in-class cost of ownership.
- Reliable

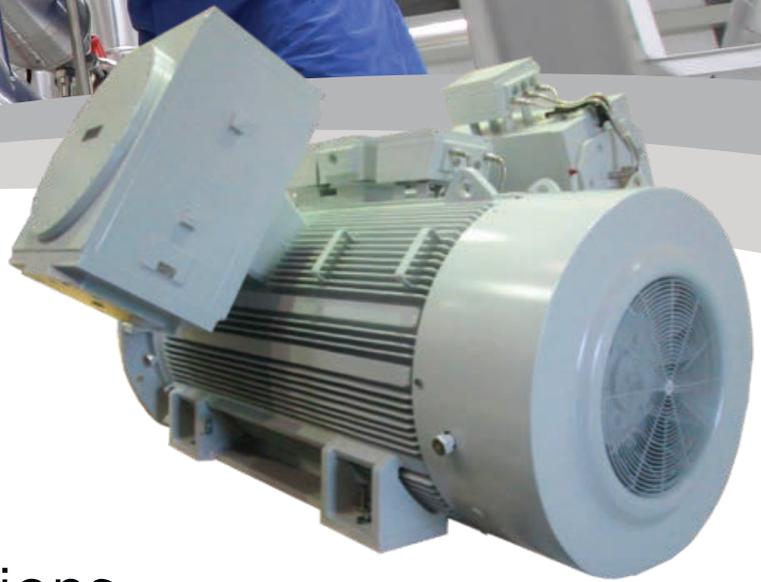


Explosion Sources

Many workplaces may contain, or have activities that produce, explosive or potentially explosive atmospheres. Examples include areas where flammable gases or vapours are created or released, such as vehicle paint spraying, or in workplaces handling fine organic dusts such as grain flour or wood.

- Gases, vapours and mists
- Combustible material
- Oxygen
- Ignition Source
- Sparks
- Dust Distribution
- Lightning strikes
- High surface temperature
- Electrostatic discharge
- Radiation
- Adiabatic compression





Industrial Applications

Our compressors are used in many industries with challenging applications:

- Oil & gas plants
- Component drying
- Powder drying and consolidation
- Solvent evaporation
- Raw material/bulk heating
- Composites
- Aerospace components processing
- Lubricants processing plants
- Glue drying
- Spraying/painting plants (wet & powder)



Peace of mind

Compressed air users can rely on Gardner Denver to keep their systems running with optimum performance and efficiency throughout their lifecycle. Gardner Denver takes customer service very seriously and we have developed our aftermarket capabilities year on year. Today Gardner Denver is known for its **excellent service and support on a global scale.**

Global Expertise

Gardner Denver



Through our intense customer focus and disciplined performance culture, we have positioned ourselves as the industry's first choice for innovative and application critical flow control products, services and solutions.

For more information about Gardner Denver, please, contact your local Gardner Denver Sales & Service Centre, or visit our website.

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