



Custom Engineered Oil-free Compressor Packages

Engineering Project Solutions



Compressed air solutions for complex projects and EPC contractors

100% air purity

Nobody has more experience and expertise than Ingersoll Rand in oil-free compression technologies. We offer a wide range of oil-free compressor solutions, each one built to achieve 100% air purity that meets the most stringent quality standards. Ingersoll Rand offers all common oil-free technologies, and, has brought out technologies which are completely unique in the market.

Broad range of oil-free compressed air technology

Ingersoll Rand is a leading global provider of oil-free compression technologies, selling across a range of markets. With global teamwork, strong customer focus, and vast application knowledge, we provide reliable and energy-efficient equipment that is put to work in a multitude of manufacturing and process applications. Products ranging from versatile low- to high-pressure compressors to customizable compressor packages.

We offer a wide range of oil-free compressor technologies, each one built to give you the peace of mind that comes with high-quality air supply. You can rely on our expertise to select the right solution for your exact needs.

Type	Flow Rate	Operating Pressure	Power
Oil-Free Rotary Screw Compressors	Up to 3,000 m ³ /hr (FAD)	Up to 10 barg with oil free screw air cooled	Up to 315 kw
Oil-Free Rotary Screw Compressors	Up to 4,000 m ³ /hr (FAD)	Up to 10 barg with oil free screw water cooled	Up to 500kw

Engineering Project Solutions

Using the extensive experience that we have gained by working with EPC companies, Ingersoll Rand has developed the capacity to carry our complex projects that are tailored to our customers requirements. Whatever details matter to you, Ingersoll Rand can design a solution to meet your exacting needs. Engineered for performance, our range of equipment is built to provide maximum efficiency, reliability, and uptime. Our custom designed compressed air systems and solutions offer total flexibility. Our compressors, dryers, and nitrogen generation packages are engineered to meet the rigorous, non-stop demands of your operation.

We are a leading global business provider, offering custom products to satisfy a range of customer needs, based on:

- Market to Order (MTO)
- Engineering to Order (ETO)
- Special Configurations
- Project Lifecycle Support (PLS)

What we can provide

- Compressors, Air Treatment, PSA and Membrane Nitrogen and Oxygen Generation Packages as per customer requirements
- Structural Skids, Dryers, Filters, Air Coolers, Receiver Tank Design & Fabrication
- Customized Packaging
- Conforming to API 681, API 618, API 619, API 672 standards
- ATEX, IECEx directive certified
- Conforming to ISO and other quality standards
- Customized Packaging
- Project Management
- Documentation / Engineering / 3D Modeling
- Implement Unique Support Teams for Your Needs
- Global Support
- Aftermarket / Warranty / Training



Engineered Oil-free Compressor Packages

At Ingersoll Rand, we know that every customer has unique requirements. Every machine can therefore reflect the particular needs of each customer, ensuring that we deliver equipment and solutions that fit the suit the requirements.

Special Design

- Adaptation to the process and gas composition
- Special separators for wet gases
- Welding specifications
- Stainless steel components and piping
- Special paint

Electrical Equipment

- Control and safety instrumentation
- Redundant PLC
- Soft starter
- Different voltages
- Nema 4X /IP65

Drive

- Reduction gear
- Direct drive on request
- Electrical motor
- Diesel engine

Environment

- Explosion-proof versions are available: ATEX, IECEx
- Air conditioned/pressurised cubicles
- Marine protection/high temperatures found in deserts

Supply of system components

- Whole installation mounted in our facilities. We have the capability to run the package fully assembled.
- Before transportation, all interconnecting piping and wiring is disassembled

Different customised options

- Vibration control/monitoring
- Instrumentation
- Rod drop control
- Cylinder liners

Packaging

Ingersoll Rand can custom design and manufacture your equipment package, which can include: structural bedplate, machinery mounting pads, piping, tubing, electrical wiring, instrumentation, and controls.

Shelter

- Equipment installed in a container shelter except for receivers
- Interconnecting piping
- Easy transportation of the whole station
- Connection points with customer
- Ambient conditions inside the shelter controlled

Skid

- Equipment installed in a common skid.
- Easy transportation
- Compact design



High temperatures, reliable solutions

Ingersoll Rand designs and delivers compressor packages that operate at temperature up to 55, both in oil-free and lubricated configurations. Our engineers design and manufacture tailor-made solutions that meet our customer's requirements.

Whatever the conditions

The compressor packages are designed to operate in temperatures of up to 55°C, working under strenuous conditions either outdoor or indoor, refineries, deserts (high inlet temperatures) and sandy environments. Ingersoll Rand leads the way in the design, development and manufacture of air screw compressors that can operate in these extreme temperatures and conditions.



Benefits at a Glance

- Operating temperatures of up to 55° C.
- Air cooled oil-free screw compressor
- Oil-free rotary screw compressor
- Robust construction
- Reliable
- Extended uptime and low service costs
- Customized solutions

Quality Standards

Ingersoll Rand has many quality certificates, issued by different institutions worldwide. We continuously extend our quality leadership by optimizing our internal processes. The fulfillment of this target naturally includes certification under ISO, ATEX and API 619.

API 619

Ingersoll Rand compressor technology is based on the requirements of API 619. These compressors offer a horizontal balanced design, moderate and low speeds and a low operating temperature for reliable operation year after year.

ISO

Ingersoll Rand has many ISO certificates, issued by different institutions worldwide. We also continually optimize our management system, in order to supply our customers with high-quality products, service, and solutions tailored to their individual needs.

ATEX & IECEX

As specialists in compressors technology for conveying air and gaseous media, the Ingersoll Rand protection within different ATEX and IECEX-zones is part of our day-to-day business. Our machines are certified on equipment for potentially explosive environments.

Advanced Aftermarket Programme

Reliable and responsive after-sales service is an integral part of our business philosophy. Ingersoll Rand's Engineering Project Solutions expert technicians are able to travel to customers all over the world to ensure the correct installation, commissioning, and start-up of your solution.

Today, Ingersoll Rand is globally renowned for its comprehensive, class leading service and support, including:

- Turn-key customer support agreements
- Worldwide service network
- Factory-trained service engineers
- Free extended warranty programs
- Equipment audits & analysis
- Recommended spare parts

Please ask for the latest version of our reference list

About Ingersoll Rand Engineering Project Solutions

We are global business leader that provides tailored air compressors, air treatment, and nitrogen packages using extensive application expertise, and experience managing complex projects.

Our scope and know-how, combined with our ability to support our customers, has grown globally and allowed us to provide personalized service on a broad portfolio of complex projects. With total flexibility, we custom design and engineer our compressed air systems to provide the highest level of performance and reliability, to meet even the most rigorous and non-stop operational demands.

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About Ingersoll Rand Inc.

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency.

We are committed to using environmentally conscious print practices.

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