ARIEL CORPORATION
World Standard Compressors
Ariel Corporation is a great example of an American success story. The first Ariel compressor was built in the late 1960s in the basement of my parents’ home. From those humble beginnings, we have become the world’s largest manufacturer of reciprocating gas compressors by adhering to our original core values: Company Traditions, Design Integrity, Manufacturing Excellence, Long-term Relationships, Innovation, Corporate Outreach, Service & Support, and Ariel People. We always do our best to ensure excellence in every aspect of our products and business.

I hope this glimpse into Ariel Corporation will help you understand what sets us apart from other manufacturers of reciprocating natural gas compressors. We have spent the last five decades proving our commitment to our customers by providing the best products and support in the industry. Contact us and we guarantee you’ll speak to someone who knows compression and understands your needs.

For more information, visit our website www.arielcorp.com. Ariel Corporation operates 24/7 and we are always ready and willing to help - anytime, and anywhere, in the world.

Thank you for your interest in Ariel Corporation, the World Standard in Natural Gas Compression.

“If it says Ariel on the side, we will do our best to ensure a lifetime of operational excellence.”

Karen Buchwald Wright
CEO & President, Ariel Corporation
Every compressor that leaves **Ariel** is a product of the guiding **core values** that have made Ariel the **World Standard** in compression.
Ariel Corporation was founded in 1966 to produce a separable, reciprocating gas compressor in the 100 to 200 horsepower range. Founder Jim Buchwald instilled the concept of quality of design and manufacturing into Ariel’s corporate culture. These ideas are deeply embedded into every aspect of Ariel’s operations.

As we continue to expand, the same drive for high standards and precision remain. Every Ariel team member’s unique contributions are valued and respected. The legacy of uncompromisingly high standards guides us as we move forward and will ensure that we continue to produce the best compressors in the world.

For 50 years, we have been committed to supporting our compressors in the field. Whether it is Serial No. 2 or Serial No. 50,000, we will be there to ensure your compressor continues to run strong.
Karen Buchwald Wright becomes CEO and President of Ariel Corporation.

Ariel introduces the JGC, a 6 1/2 inch stroke, 1,000 RPM, 55,000 pound rod load machine to match up with the new 300 mm stroke engines available from two major engine manufacturers.

Maureen & Jim Buchwald retire from Ariel Corporation.

KBZ/6 product line designation introduced and named after Karen Buchwald Wright.

Ariel celebrates 50 years (1966 - 2016).

Ariel introduces KBZ/6.

KBV/6 ships.

Ariel Corporation: Five Decades of World Standard Compressors

1968 Jim Buchwald with the Buckhill Compressor

1968 Jim Buchwald with the Buckhill Compressor

1975 The JGM compressor is developed. Design utilizes ductile iron for connecting rods and introduces a new innovative cylinder configuration.

1979 A new higher horsepower machine, the JGR, is offered with a 36,000 pound load rating and design speed of 1,200 RPM with a 4-1/4” stroke.

1982 JGM/J/N/P/Q

1983 JGJ

1983 JGJ/R

1985 JGM/E/6/T

1992 JGC/D/F

1992 Ariel introduces the JGR, a 12 inch stroke, 1,900 RPM, 15,000 pound load machine to match up with the new 300 mm stroke engines available from two major engine manufacturers.

1992 JGH gives Ariel a foothold in the larger HP business.

2000 Ariel celebrates 50 years (1966 - 2016).
Utilizing the latest technology, while drawing on 50 years of experience, we focus on design and innovation to produce rugged compressors fit for field conditions around the world. Our design approach matches specifically configured compressors to specific drivers to maximize power and operational efficiency. Our proven design philosophy results in low material stresses and reduced bearing loads.

Every design incorporates the feasibility of machining processes. Ease of maintenance is no accident; we design to provide easy access to all areas requiring maintenance. Standardized parts, bolting and tools are incorporated to maximize interchangeability across all product lines. In designing world standard compressors, we leave nothing to chance – we continue to perfect our products by understanding the past, engaging the present, and investing in the future.

At Ariel, our design philosophy revolves around providing a successful, worry-free operation. As a result, our compressors run longer and require minimal maintenance, providing maximum reliability in the field.

DESIGN INTEGRITY
Ariel Compressors are Designed to Last.
We offer a wide range of frame classes and models with configurable components, ensuring the right fit for a variety of applications. From field gas gathering and gas storage to refinery and petrochemical applications, our unmatched flexibility gives our customers the ability to choose the best compression solution for their operation.
The key to manufacturing excellence at Ariel is our ability to control the process, not from the top, but from within the organization. Each Ariel employee is encouraged to share in the process of continuous improvement. Manufacturing innovations often come from the production floor and become part of the culture that has made us the leader in the industry.

Every year we invest heavily in the development of our facilities, the acquisition of new machine tools, and in the training of our manufacturing workforce. Our clean, climate-controlled factory is part of the Ariel quality control process; worker comfort and safety is very important, but clean facilities and consistent temperatures also contribute to maintaining precision tolerances during manufacturing and assembly.

As with any company providing products and services, we are very focused on our customer’s needs and satisfaction. Our ISO system has developed the tools needed to be a proactive organization, maintaining the high quality that turns our first-time buyers into repeat customers.
COMPRESSOR SPECIFICATIONS

Rated bhp
5,200

Stroke
6.75 in.

Max RPM
1,000

Total Rod Load
150,000 lbs.

Piston Rod Diameter
2.875 in.

Cylinder Bore

Cylinder Body

Cylinder Lubrication System

One-Piece Babitted Crossheads

Auxiliary End

Ion-Nitrided Piston Rods

Direct Full-Pressure Lubrication of Crankshaft and Running Gear

Crankshaft and Running Gear

Precision Bearings

Drive End

Frame Spacer Bar

Easy Access for Inspection

Non-Metallic Plate Valve

Heavy-Duty Forged Steel Crankshaft

Non-Cooled Cylinder Body

THE ARIEL ADVANTAGE

High-wear components are ion-nitrided to extend their service life.

Every compressor is run through a rigorous 3-Step, 4-Hour run test.

Compressors are carefully inspected to ensure they meet Ariel Standards.

Every Ariel compressor has a comprehensive 12-month warranty. Limited warranty 36-60 months.

Genuine Ariel Parts are available worldwide through the Ariel Distribution Network.

KBZ/4

WORLD STANDARD COMPRESSORS

ARIEL CORPORATION

www.ariel.com
We work hard to build strong, lasting relationships with our customers, suppliers, and employees. We believe in treating people fairly - the way we want to be treated. Working in tandem, from initial design through final installation, our long-term relationships ensure that every Ariel compressor is designed, manufactured, installed, and maintained to meet our high standards.

In addition, the Ariel Global Distribution Network is integral to Ariel’s continued growth and success. With locations everywhere in the world, the Ariel Distribution Network consists of trusted Ariel Packagers and parts distribution with Ariel at the center. Strategically located Ariel Regional personnel, including offices in China and Russia, work with more than 700 distributor locations to provide a global network of parts and service support available around the clock.

To maximize the lifetime operation of your compressor, the Ariel Global Distribution Network stocks Genuine Ariel Parts. The same parts that go into new Ariel compressors are available for maintenance. Genuine Ariel Parts ensure peak operation and extended warranty coverage.
Ariel has the world covered with compressors, parts, and comprehensive support.

100+ Countries Ariel Compressors Operate

700+ Trusted Ariel distributor locations around the world
We have long worked closely with the oil and gas industry, from distributors to end-users worldwide, and we have engaged with the public about what we do. We recognize the importance of education and training for the continued growth of the industry, and we know that a professional workforce, knowledgeable about the natural gas industry and its associated technology and equipment, is essential for the future of our industry.

We deliver on this vision by offering a number of resources and options for technical instruction: free classes at the Ariel Training Center, domestic and international training, extensive information on the Ariel website, and access to the most comprehensive on-line basic training course in the industry, covering the operation and maintenance of Ariel compressors and the Ariel Performance Program – our proprietary compressor sizing and selection software.

We have developed partnerships in our community to promote talent amongst the young people who are selecting career paths or are just beginning their careers. In addition to these local programs, we also support regional, national and international post-secondary training programs in conjunction with leading educational institutions.
True innovation requires more than just the dedicated work of skilled individuals. At Ariel, improvement and efficiency is born in the spirit of collaboration between many groups. Design Engineering, Manufacturing, Applications Engineering, Research and Development, and Technical Service all participate, and they all depend on each other to bring you the best compressors in the world. We pride ourselves on our long history of meeting challenges by approaching projects from all angles, by people with diverse experience and perspectives, using the finest technology available. This is more than an internal approach; our specialists work closely with our suppliers and customers as well: we listen to the market. We listen to you.

INNOVATION
Every Ariel Employee is Committed to Product Development.

The Ariel Research and Development Center is a 20,000 square-foot state-of-the-art facility that includes laboratories, workshops, and closed-loop compressor installations equipped with the latest monitoring and diagnostic technology.
Ariel Connect is the central hub for all of Ariel’s dynamic online learning and classroom training. The Ariel Basic Product Training: Online Edition is our flagship eLearning offering, the industry’s most comprehensive online training program. It covers the same topics as our industry-leading, instructor-led training program with the convenience of access anywhere and any time!

Ariel offers a variety of software and applications designed with our customers in mind. These programs give our customers decision-support capabilities to maximize their compression efficiency, performance, and reliability.

**Ariel Connect** is the central hub for all of Ariel’s dynamic online learning and classroom training. The Ariel Basic Product Training: Online Edition is our flagship eLearning offering, the industry’s most comprehensive online training program. It covers the same topics as our industry-leading, instructor-led training program with the convenience of access anywhere and any time!

Ariel 7-2Go is a one-of-a-kind mobile program that gives our customers the ability to quickly pinpoint the Ariel frame and cylinders capable of meeting their target horsepower and flow requirements.

The Ariel 7 Performance Program is Ariel’s comprehensive sizing software that allows users to fine tune the selection and analysis of new or existing compression solutions.

From project evaluation to order submission, Ariel provides the tools you need, when and where you need them.
Our commitment to supporting our products for the lifetime of installation is still as true today as it was 50 years ago. This has led to the creation of one of the most robust portfolios of support offerings in the industry. Our comprehensive service and support team is available around the clock with the information you need – anytime and anywhere.

Our support includes experienced Application Engineers working with proprietary software to maximize your compressor package. After installation, our regional compressor technical experts around the world are ideally placed to assist you with keeping your Ariel compressors running strong.

The Ariel Response Center offers world-class customer support. With over 100 years of combined Ariel experience in assembly, spare parts, and manufacturing, our team is dedicated to assist customers with questions about compressor data, reconfigurations, spare parts, and maintenance.
For 50 years our commitment to quality has always centered on our people. We've nurtured an environment focused on developing the next generation of industry leaders through continuous learning, innovation, and teamwork. We are particularly proud of our Engineering Co-op program, which selects talented young professionals from the region's leading universities.

By offering our employees a wide variety of programs and benefits, we've encouraged wellness, education, and pride. Through these efforts we have cultivated a skilled and dedicated workforce, producing the finest compressors in the world.

ARIEL PEOPLE
Our People and Community are Central to Our Success.

We believe that one of the best ways to support our workforce is to support the community in which our people live and work. We support local and national charitable organizations, public works, and local education efforts, ensuring that the next generation of Ariel People have the best community possible.