



Atlas Copco Compressors

Discover the Difference

Your Goals = Our Goals



Atlas Copco Compressors is a technology driven, customer-led, manufacturing company underpinned by sustainability and a firm commitment to reducing CO2 emissions.

We know that manufacturers simply cannot achieve their sustainability goals, and maximize today's efficiency, without an efficient compressed air and gas system.

To ensure that our common goals are aligned –we are focused on “doing more”. Let’s work together. Let’s find your savings level or productivity number and develop a plan to achieve it.

In 2023, Atlas Copco is celebrating our 150th birthday. We want to say a heartfelt ‘thank you’ to all our employees, customers, and suppliers who have been part of our journey. We could not have achieved it without you!

Robert

Robert Eshelman

President / General Manager
Atlas Copco Compressors LLC



What our customers are saying:

“It’s easily the most reliable system we’ve worked with. Atlas Copco’s quality can’t be beat.”

- Stewart-Haas Racing

“It’s the highest quality air compressor that we’ve ever used.”

- Don Schumacher

“Installation was simple, and the integration and communications between the compressors in the installation are superior to any other set-up I have worked with.”

- Roush Yates Engines

“Atlas Copco has an amazing reputation in the industry for their quality and reliability and I knew they had the compressor I wanted.”

- Bogi Lateiner

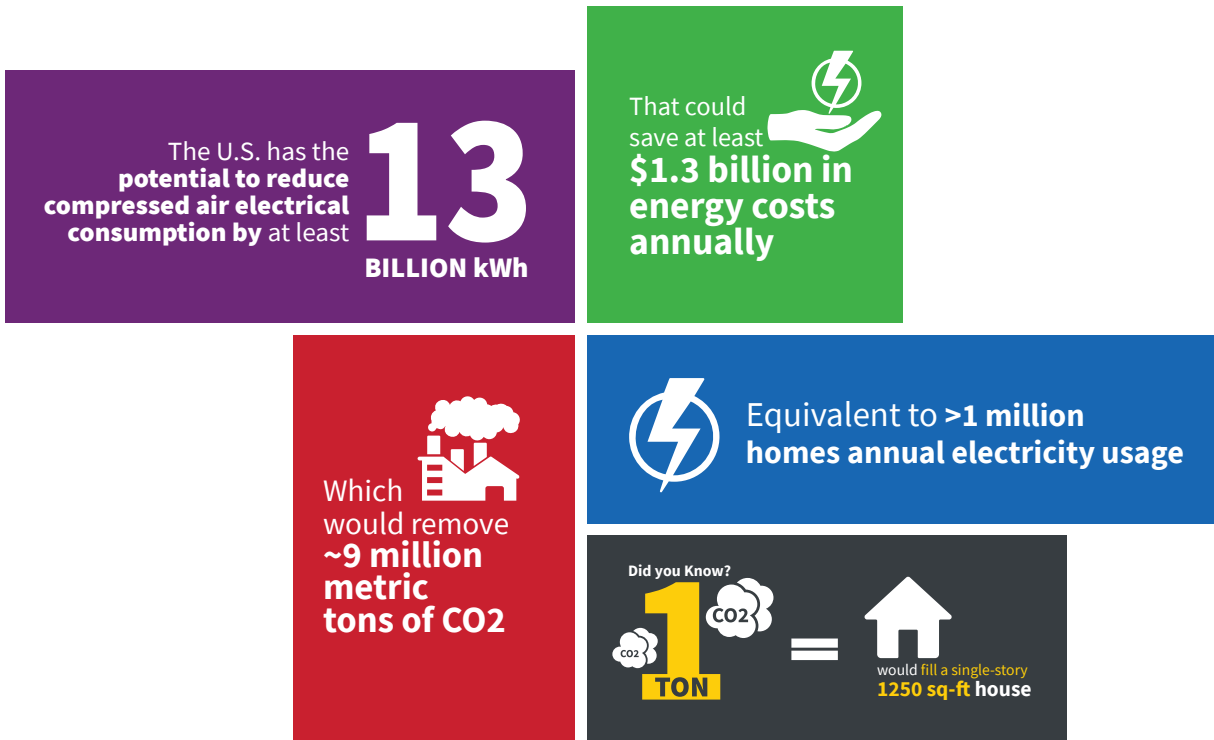
Hear more from our customers at www.atlascopco.com/listen



Atlas Copco opened the NASDAQ on February 21, 2023 as part of their 150-th birthday celebrations.

A Purpose Driven Organization

Atlas Copco Compressors took an in-depth look at the U.S. market when it comes to compressed air. The analysis of the market concluded that United States manufacturing has a compressed air installed base of at least 15 million horsepower. Based on looking at various air audits across different customer types, sizes and segments, the analysis concluded that:



“Our mission is to save U.S. manufacturers over \$1 billion in annual electricity costs, while reducing CO2 emissions by 9 million metric tons.”

Read about our commitment to Science-Based targets at www.atlascopco.com/thetimeisnow



Our Culture



Keep Learning

Taking care of air is an ever-evolving field so we are committed to training. Our US-based Air Academy has trained thousands of our staff, distributors and customers about air and how it works. Our team includes many people who have earned US Department of Energy AIRmaster+ certification. On five separate occasions, Atlas Copco has been recognized as one of the world's most sustainable companies. Our culture is built around maximizing your productivity and minimizing our environmental impact—we always keep learning.



Be Present

No matter your application—from precision manufacturing to roller coasters—we can provide the air you need. We analyze every territory and, where appropriate, work with a network of local distributors to develop the most efficient strategy to reach every customer where they are. And we listen: each year we send out thousands of customer surveys, because direct feedback helps us deliver what customers like you truly need and want.

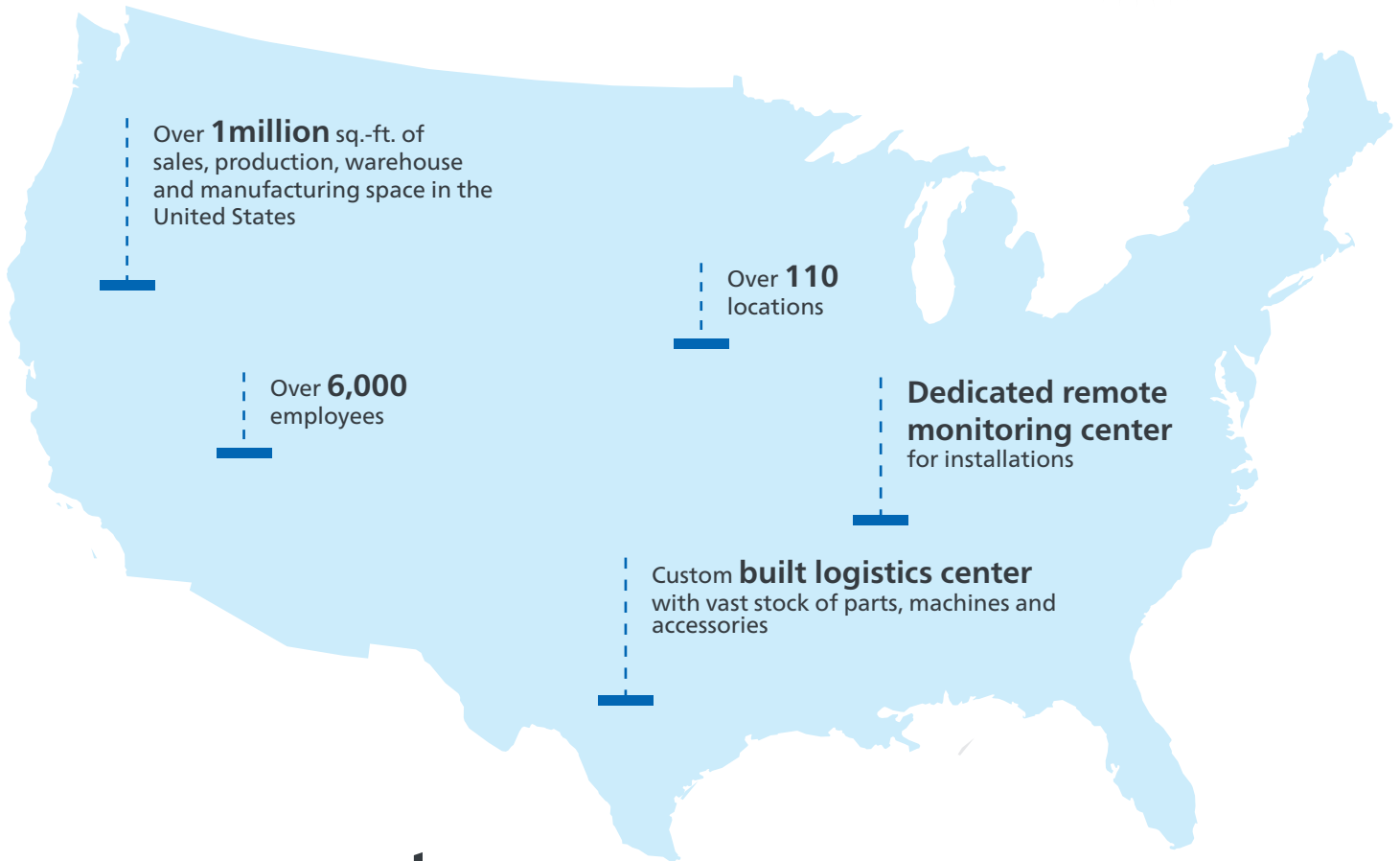


Innovate Continuously

We saved the best for last: We go further and deeper into every aspect of our product offering. Why? Because the product you buy is ultimately the heart of our promise to you. There are many ways to make air—scroll, piston, rotary screw, tooth and centrifugal to name a few. There are many different types of gas, including air, nitrogen and oxygen. The efficiency considerations with air compressors, vacuum pumps, blowers and quality air equipment are as varied as each customer's need—and we embrace this challenge.



The Atlas Copco Group in the United States



1st
Proud to be

- ★ Air compressor manufacturer to be awarded ISO 8573-1 CLASS 0 certification.
- ★ Air compressor manufacturer to launch integrated Variable Speed Drive (VSD) compressors.
- ★ Air compressor manufacturer to launch full feature compressors with integrated dryers.
- ★ Air compressor manufacturer to launch an electronic control and monitoring system.
- ★ Air compressor manufacturer to have been listed in the world's Top 100 Sustainable companies on multiple occasions.
- ★ Celebrating our 150th birthday in 2023.

If you want to learn more about careers at Atlas Copco, please visit www.atlascopco.com/startyourjourney

Oil-Injected Air Compressors

Piston Compressors

The CR and AR piston ranges offer a completely customizable piston air compressor. With either an aluminum or cast iron pump, both ranges can be tailored to your needs with options for all contractor, professional and industrial applications. Both ranges deliver a winning combination of outstanding reliability matched with robust performance, even in the most demanding conditions. We also offer a range of L piston compressors which can deliver 100% oil-free air.

2-20 HP
3-70 CFM (125 psig)



Rotary Screw Oil-Injected Compressors

We offer both the award winning GA range and the latest G range. These compressors are probably the most connected compressors on the market and come with a variety of remote connectivity and app options. Both ranges features versions of our legendary rotary screw element and boast quiet operation, designed to be installed at the heart of your workplace, with the ability to run continuously. We offer both fixed speed and variable speed drive options, with and without integrated dryers, tank or floor mounted. This range is the backbone of manufacturing and offers a compressor that's right for every company; from small automotive workshops all the way to 24/7 advanced manufacturing. In 2022, we launched the latest in VSD technology with the VSDs range.

3-700 HP
13-2,972 CFM (125 psig)



Oil-Free Air Compressors

Rotary Screw and Tooth Oil-Free Compressors

Atlas Copco is a pioneer in oil-free compressors. The Z range of compressors is the ultimate solution for users who need guaranteed ISO 8573-1 CLASS 0 compressed air. The latest range of VSD+ premium efficiency oil-free compressors can reduce energy bills by up to 35%. In addition to the compressors, the integrated MD/ND heat of compression dryers paired with the ZT/ZR compressors provide unrivalled efficiency with zero purge by design, eliminating the waste of compressed air associated with twin tower dryers and they have an extremely low pressure drop. Furthermore, energy recovery is available on the compressors to further enhance the energy saving potential of your oil-free compressed air system by using excess heat to pre-heat water or warm large spaces.

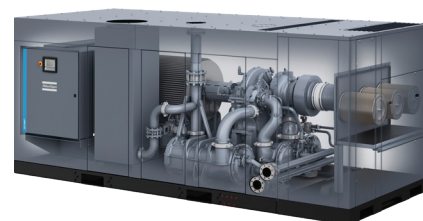
20-1,361 HP
43-5,039 CFM (125 psig)



Oil-Free Turbo Compressors

For applications where large volumes of air are required, the ZH+ centrifugal range is a superior oil-free turbo compressor with optimized air ends, delivering low energy consumption in large-flow applications. The built to last plug & play design includes everything you need to deliver oil-free air without compromise. Used in conjunction with a heat of compression dryer, the ZH provides an efficient package when it comes to the most demanding applications. You are guaranteed ISO 8573-1 CLASS 0 compressed air.

496-8,348 HP
2,702-44,500 CFM (125 psig)



Water-Injected Rotary Screw Compressors

A design and technology which has really stood the test of time, the pioneering AQ water-injected rotary screw VSD compressors deliver 100% oil-free air to ISO 8573-1 CLASS 0 standard. Available in water-cooled or air-cooled versions, AQ compressors meet your precise needs for pure oil-free air in a compact and easy to service package. Models in the AQ range can include an optional integrated refrigerant dryer, for guaranteed dry air, even when space is at a premium.

20-50 HP
47-323 CFM (125 psig)



Scroll Compressors

The SF and SF+ range of scroll air compressors are reliable, energy efficient and guarantee the delivery of 100% oil-free compressed air, certified to ISO 8573-1 Class 0 standard. Super quiet from 52 dB(A), and compact, they can be installed within any working environment and are ideal for dental and research laboratories. SF+ units incorporate the Elektronikon controller which provides easy to use monitoring and control features helping users get the most out of single or multiple compressor installation.

1.5-15 HP
6-43 CFM (125 psig)



Aeration Blowers

Low Pressure Blowers and Compressors

Atlas Copco offers seven different blower and aeration technologies for municipal and industrial applications, including wastewater treatment, pneumatic conveying, and many more. Having a complete range ensures customers can select the best blower technology for their application over its lifetime; when the cost of purchase, electricity usage, and service (downtime) costs are factored in.

ZL Lobe – The Dependable Package. Thanks to the simplicity and the tested design of the lobe blower, it's the ideal choice for difficult environments around the world that have limited supervision.

ZS Screw – The Innovation Package. The ZS blower is highly reliable and energy efficient in all your applications and has the lowest possible operating costs.

ZB Direct-Drive Turbo – Guaranteed Reliability. The ZB blower ensures a reliable and constant flow, with the highest air quality. All components are perfectly synchronized inside a compact package.

ZE/ZA Screw – Plug-and-Play The ZE/ZA compressor is supplied as a ready-to-go, all-in-one package, minimizing installation work and saving time and money.

ZM Centrifugal – The Power You Need. The ZM series is a centrifugal blower with oil-free compression and a variable number of stages, depending on the desired flow rate and pressure.

ZHL Geared Turbo – High Flow and High Reliability. Available as one-stage (ZHL) or two-stage (ZH) solution, our geared turbo compressors provide air for applications with a high air volume flow demand and pressure.

DZS Claw – Low Flow and Low Lifecycle Cost. The DZS dry claw blower is an ideal solution for applications that require a low air flow and pressure.

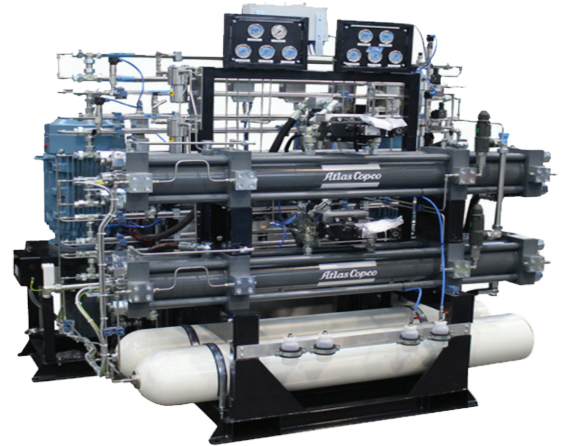
4.4-58 PSIG
20-22,000 CFM



High-Pressure Compressors and Boosters

Hydrogen, Renewable Natural Gas and Helium Packages

Atlas Copco has built hydrogen and specialist gas compressors for many years, recently expanding capabilities to include hydraulic boosters within the product range. Models include GG, CU, BBR, HX, HN and the GZ. A key feature of the range is pressure-tight crankcases to ensure the gas remains within the compressor and nothing is lost to atmosphere. The current product range is an ideal fit for hydrogen power to gas, mobility solutions, and all distribution and industrial applications.

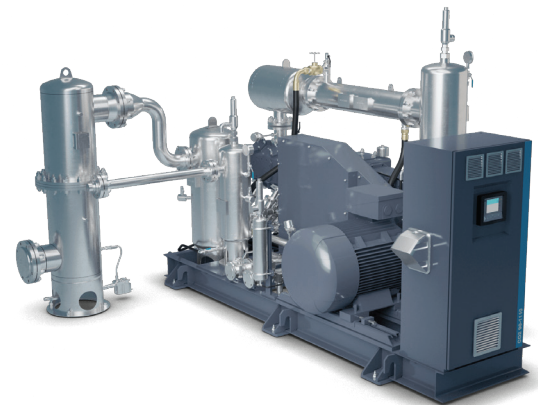


High Pressure Compressors and Boosters

The ZP and ZD range are two packages with a lot in common but also some key differences. They were designed to give customers the ultimate choice. The combination of the ZD booster with a ZR rotary screw compressor offers complete flexibility for high and medium pressure applications. The water-cooled design features 4-stage compression, with intercooling, and is a truly efficient package.

The air-cooled ZP piston compressor comes equipped with all the pressure you need. The ZP is a piston machine with an optional variable speed drive and features the unique rod drop sensor technology – it's so smart it can detect any potential compressor issues before they become production challenges.

Both packages were made to be installed right at your point of use, with sound levels equal to normal conversation, no need for long piping runs, and absolutely no need to bolt it to the floor.



Process Cooling

Process Cooling Solutions

The TCX & TCA ranges of chillers are specially designed for cooling water (or a mixture of water and glycol) for multiple industrial purposes. The TCX4-90 series is a compact, all-in-one water chiller with an air-cooled condenser and integrated hydraulic module, with the ability to precisely control the temperature using an Elektronikon® MkV controller. The pump housing, tank and evaporator are made in stainless steel and the entire chiller is designed for easy maintenance with easily accessible safety components.

For large industrial applications the Atlas Copco TCA55-215 series offers a high level of energy efficiency and safety for your day-to-day operations. Reliable and robust, equipped with proven scroll compressors in a twin circuit configuration, air-cooled microchannel condensers and integrated hydraulic module, it provides easy and cost-effective installation and maintenance.



Process Filtration

Process Filtration

The process filtration range is focused on liquid, steam, and air, and extends our filter product portfolio by increasing its reach into multiple industries, including pharmaceutical, electronics, life sciences and food. The filter range exceeds ISO 8573-1 Class 0 requirements. This product portfolio includes bags, filters, and cartridges with the goal of preventing microbial contamination and ensuring that the quality of the final product is protected. These filters can be steam sterilized and used with a wide-range of mediums. The stainless-steel housings holding these products are sanitary, and therefore inhibit the growth of bacteria and allow for easy disassembly for inspection and cleaning.

Whether they are edible liquids such as wine, beer, cider, bottled water, soft drinks and milk, non-edible liquids like process water, alcohols, solvents, inks, resins, and oils, or gases such as compressed air, carbon dioxide, nitrogen, and others, we have the solution.



Gas Generation

Nitrogen Generators

Atlas Copco Nitrogen Generation systems with either Membrane or Pressure Swing Adsorption (PSA) technology allow you to produce your own nitrogen on site by using compressed air. Our generators provide nitrogen to meet a wide range of flow, purity and pressure requirements. Onsite nitrogen generation eliminates the need for storing, reordering or changing bottles as nitrogen is available on tap 24/7. Our Plug-n-play generators, including skid packages for high-pressure applications, provide unrivaled reliability and cost-savings. Our PSA units have low energy consumption and represent the lowest cost for nitrogen gas, compared to other generators, liquid and bottles and represent the lowest cost for nitrogen gas, compared to other generators, liquid and bottles.

2.75-1556 SCFM
95-99.999% Purity



Oxygen Generators

Atlas Copco OGP and OGP+ oxygen generators use Pressure Swing Adsorption (PSA) technology allowing you to produce your own oxygen on site by using compressed air. With purities from 90 to 95% these generators are a cost-efficient alternative to delivered bottled oxygen.

“Just about all products in the range come with full remote monitoring capability via SMARTLINK or can be monitored via other web-based applications.”



Quality Air Products

Air treatment products remove moisture, oil aerosols, vapor and dust particles to ensure clean, dry air, expanding the life of your equipment and ensuring the quality of your end product. The filter and accessories range includes, oil-water separators, filters, breathing air, aftercoolers, air receivers and Atlas Copco's revolutionary built-in bypass inPASS filters. The dryer range includes, refrigerant heatless and heat regenerated desiccant adsorption air dryers along with membrane, heatless and heat reactivated, adsorption air dryers. In 2021, we launched the world's first solid desiccant dryers.

FX Non-Cycling Refrigerant Dryers

- Simple to own and operate
- Proven reliability
- Industry standard efficiency
- 9-4,238 CFM



FD Energy Saving Refrigerant Dryers

- Industry leading efficiency
- Reliable even in high ambient conditions
- Cycling control
- 13-4,240 CFM



FD VSD Refrigerant Dryers

- Variable Speed Drive (VSD) for expectation exceeding energy savings
- Industry leading efficiency
- 210-8,475 CFM



CD/CD+ Heatless Adsorption Dryers

- Reliable dry air
- Market leading energy efficiency
- Pressure dewpoint: -40 degrees F (optionally -100 degrees F)
- 3-3,600 CFM



AD Externally Heated Adsorption Dryers

- Reliable dry air
- Pressure dewpoint: -40 degrees F (optionally -100 degrees F)
- 3-3,600 CFM



Quality Air Products

BD+ Blower Purge Adsorption Dryers

- Reliable dry air
- Market leading energy efficiency and performance
- Pressure dewpoint: -40 degrees F (optionally -100 degrees F)
- 3-3600 CFM



MD/ND Heat of Compression Drum Dryers

- Top quality dry air with low running cost
- Can provide low dew points with low energy consumption
- 423-8475 CFM



MDG Guaranteed Dewpoint Heat of Compression Drum Dryers

- Top quality dry air with low running cost
- Guaranteed -40 pdp with practically no energy consumption
- Works independently from compressor
- 211-2225 CFM



XD Heat of Compression Twin Tower Dryers

- Heat of compression regeneration
- Twin tower design
- 1165-16950 CFM



Compressed Air Filters

- Elimination of all types of contaminants
- Available with a built-in bypass
- Minimal pressure drop
- Silicon free and high pressure filters available for special applications
- 14-16,950 CFM

Types of Filters

Coalescing (Wet)

- DD+ General Purpose Filter (1 micron)
- PD+ Fine Filtration (0.01 micron)
- UD+ Unique Atlas Copco combination filter (0.01 micron)

Particulate (Dry)

- DDp+ General Purpose Filter (1 micron)
- PDp+ Fine Filtration (0.01 micron)

Oil Vapor

- QD+ Macro structured activated carbon
- QDT Loose filled activated carbon



Control Systems

Optimize Your Energy Efficiency, Reliability & Connectivity

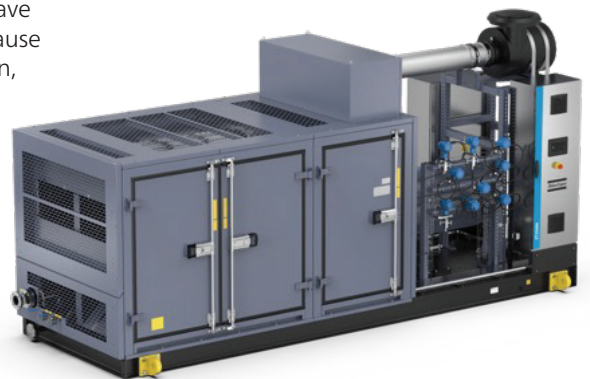
The uptime of your compressed air assures on-time delivery of your end products. Whenever your production depends on a group of compressors, it's key that all of them work in harmony on the same air network. Atlas Copco's central controllers actively manages your compressors with a high focus on reliability and efficiency. From an operational perspective, it represents peace-of-mind, all machines can be controlled via one central controller. The high-end visualization on the touchscreen display allows you to follow up all important KPIs and puts you in control. Central control systems are the heartbeat of Industry 4.0.



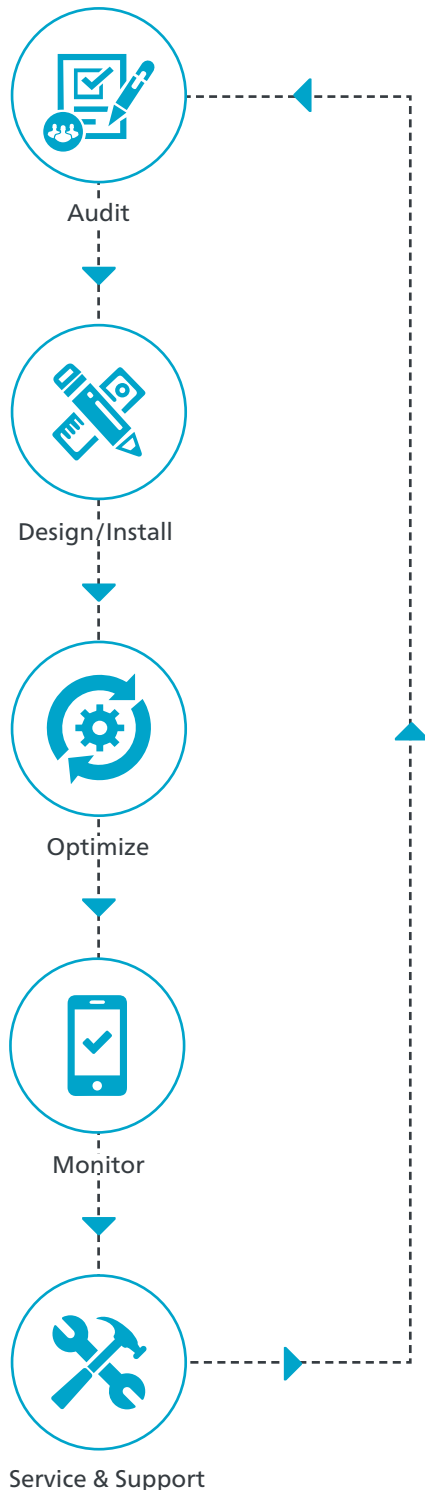
Engineered Products

Atlas Copco Quality – Custom Built For You

Sometimes, standard solutions are not right for you. Maybe because you have a unique application or a high-risk production environment, or maybe because your need for efficiency and reliability calls for a completely turnkey solution, designed and installed by a reliable solution provider. Atlas Copco can deliver compressed air and industrial gas systems that meet your specific needs. You get Atlas Copco's superior quality in a custom solution, built just for you.



The Connected Efficiency Journey



Audit

Every air journey starts here. Our trained audit teams use ultrasonic leak detection and precision flow measurement equipment, and the non-intrusive audit system can be scaled for any operation. We learn exactly where you are now and prove what you can save. It's the backbone of our promise and what we stand behind before asking you to invest. Anybody who claims a saving based purely on product performance and not on your unique circumstances is just guessing—we like to deal solely in facts. We can help you determine if a compressor upgrade qualifies for rebates from your local electrical utility company.



Design & Install

We apply creative thinking and advanced software to design integrated air production and distribution systems. At our custom design facility in Houston, Texas, we can custom fit our products to meet your specific needs. Our designs emphasize today's efficiency with future expansion that's ready when you are. Our unrivaled experience means we know what creates a great installation, and our local team will support you. We model a computer-designed turnkey installation of your entire system, including equipment, air treatment, and state-of-the-art piping throughout your facility, no matter the size.



Optimize

This is the biggest advancement in compressed air over the last decade. Control systems leveraged by the Internet of Things mean you no longer need to be with your machine to make it perform. Optimizer 4.0, our simple and sophisticated user interface, ensures that you're always in the know, in control and in charge of your savings. No matter how many compressors, dryers, blowers or pumps you have, you're like the conductor of the orchestra—and you make it play in perfect tune.



Monitor

Just about all Atlas Copco equipment comes with remote monitoring and diagnostic capability. Our team keeps an eye on your system and contacts you if a need arises. Most importantly, we monitor your demand and suggest savings to make you an energy efficiency rock star! You can be away from the office or take that hard-earned vacation with complete peace of mind because we've got your back. However, if you want to watch your product while away, all you need is a smartphone.



Service & Support

Help is always close at hand. Atlas Copco has over 6,000 employees across the U.S., so one of our factory trained technicians is never far away. We can dispatch them at a moment's notice and GPS technology lets you know where they are. Plus our centralized technical support team is as close as your phone. All of us work together to provide a service solution that fits your needs—whether it's doing your own maintenance or us taking full responsibility for keeping your system running.

Solutions Portfolio

Atlas Copco

Compressed Air

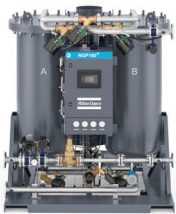


Air Compressors – All Technologies

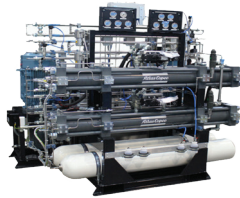
Dryers

Control Systems

Compressing More Than Air



Nitrogen and Oxygen



Hydrogen and Helium



RNG | Biogas Compressors

Working Outside the Compressor Room



Industrial Cooling



Process Filtration
(Liquid, Steam, Air)



Aeration Blowers



Vacuum Pumps

Service Solutions



SMARTLINK
Remote Monitoring



Full Auditing
Services



Installation &
Piping



Customized
Service Plans



Factory Trained
Technicians

Atlas Copco

Atlas Copco Compressors LLC

300 Technology Center Way
Suite 550 Rock Hill, SC 29730, USA
Phone: +1 866-546-3588
atlascopco.com/air-usa