

ATLAS COPCO COMPRESSORS

Powering You With Extraordinary Solutions

Sustainable Productivity

Atlas Copco



ATLAS COPCO COMPRESSORS

As a world leader, Atlas Copco Compressors has an expansive resume developing, manufacturing and servicing award-winning compressed air total solutions, as well as a complete range of service offerings and capabilities since 1873.

Atlas Copco has a focus on exceeding customer needs while benefiting the environment. We have built our culture on ongoing interaction, long-term relationships, and a commitment to understand each customer's processes and objectives. As a result, every compressed air solution we create helps customers operate with greater productivity, energy efficiency, and safety.



*Did you know
Atlas Copco came before...*

Atlas Copco

1873

1874
Ice cream soda



1876

1876
Alexander Graham Bell
received patent for telephone



1879

1879
Thomas Edison
produced light bulb



1882

1882
Electric fan



1883
Brooklyn Bridge

1885

1885
Statue of Liberty
shipped to US



1888

1884
Oxford English
Dictionary



WORLD LEADING SUSTAINABLE PRODUCTIVITY

Atlas Copco has been developing and manufacturing innovative products since before Thomas Edison developed the first light bulb. Over the past two centuries, our experience and vision for the future have guided us to our focus still today—sustainable productivity. Just like you, we will never stop looking for ways to help our manufacturing teams save energy and increase productivity. Because of this, we have grown to hold a world-leading position in compressed air, as well as other industries within our Group.



FTSE4Good



And in just the past 5 years, we have...

MAY 2012
Released first compressor mobile app to monitor your compressor from anywhere (the Elektronikon® App)



MAY 2012
Entered the vacuum market with our own GV oil-sealed rotary screw vacuum pump



MARCH 2013
Introduced a new GVS oil-sealed rotary screw vacuum system



AUG 2013
Introduced ZH 355+ - 900+ oil-free centrifugal compressor range



OCT 2014
Introduced SF+ series, equipped with Elektronikon® Mk. 5



JAN 2015
Neos Variable Speed Drive (VSD) was honored with the Silver Award at Plant Engineering's 2014 Product of the Year contest

2010

2011

2012

2013

2014

2015

2016



MAY 2011
Launched new oil-injected 7-22 kW GXe compressor family, with the energy-saving certificate



MAY 2012
Launched AQ oil-free, water-injected screw compressor range

SEP 2012
Introduced three ranges of nitrogen and oxygen generators, membrane and PSA nitrogen generators, and PSA oxygen generators

APR 2013
Launched innovative range of GA VSD+ compressors



MAY 2015
Introduced the next generation of NGP+ nitrogen generators

MAR 2015
launched the UD+ coalescing compressed air filters



DON'T JUST TAKE OUR WORD FOR IT

Here's what our customers say

Industry: Labeling
Equipment: GA55 VSD Full Feature Oil-injected Compressor, AIRnet Aluminum Piping

“Compressed air is a constant that you come to take for granted until it's gone, and that was the point we had arrived at with our old equipment.”

“(AIRnet) is easy to install and versatile. I can add equipment wherever it's needed without having to be a certified pipe sweater. If you can turn a bolt, you can put an AIRnet pipe wherever you want.”

“We chose Atlas Copco for the reliability of the compressor, the versatility of the AIRnet system, the quality of their service and a lower total cost of ownership.”

Kert Brown
Facilities/Engineering Manager
Relm West

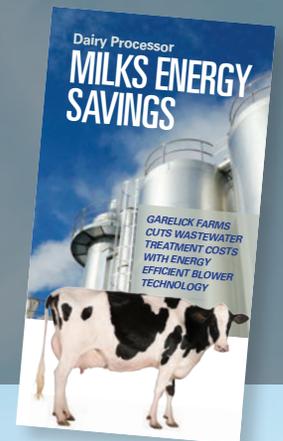


Industry: Dairy, Wastewater Treatment
Equipment: ZS+75 Variable Speed Drive Oil-free Positive Displacement Screw Blower

“Energy calculations determined that operation of the ZS75+VSD would result in an annual savings of 83,647 kWh compared to the equivalently sized rotary lobe unit.”

“Our projections were too conservative. We saved roughly three times the amount of power we initially forecasted.”

Rick Brown
Senior Sales Engineer
with IMEC



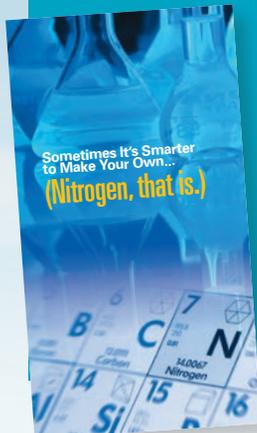
Industry: Drug Management/Pharmaceutical
Equipment: GA22+FF, NG Nitrogen Generator, MLME-40 Mist Eliminator and Various Other Filtering Solutions

“Our purchase decision was driven partially by price, of course, but when I was doing research on nitrogen systems, most of the quotes I was getting from other vendors were using the Atlas Copco compressor.”

“Props to Atlas Copco... I'm pleased and I'm looking forward to doing business with Atlas Copco again.”

“There was one small issue early on... they got a new part here in a couple of days and we had no productivity loss. I'm kind of glad we had a small issue so I could see how fast a problem gets resolved.”

Jim Gray
Facilities Manager
Castle Medical

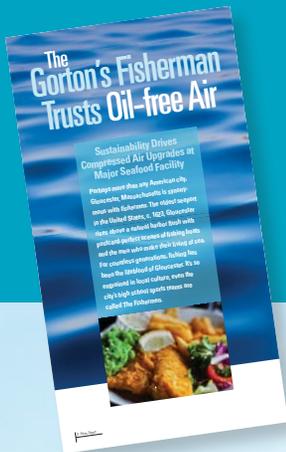


Industry: Food Processing
Equipment: SF4 Full Feature Oil-free Screw Compressor, AIRnet Aluminum Piping

Gorton's is committed to sustainable seafood production and green efforts aimed at continually improving efficiencies in their processing facilities.

Gorton's went from five heatless desiccant dryers, to one zero-purge MD dryer supported by one AD polishing dryer.

“Now we have very efficient, very reliable compressors plus a maintenance package, so we're pretty autonomous. I would totally recommend Atlas Copco. I already have.”



David Gazda
Operations Manager
Gorton's Inc.



Industry: Food and Beverage Processing and Packaging
Equipment: SF4 Full Feature Oil-free Screw Compressor, AIRnet Aluminum Piping

“Oil-free compressed air is part of our system because it is a foundation of clean manufacturing. For me, having educated myself, oil-free air is a no brainer. I think oil-free air will be very much on the radar of the FDA and third party inspectors at some point soon, and I prefer to make such decisions myself.”

“I had specified Atlas Copco and AIRnet in a manufacturing operation I designed in a previous position, and I knew I wanted to use the same technology in my own company.”

James Mackness
Owner of Motovotano LLC.



Industry: Aviation
Equipment: Oil-injected Rotary Screw Compressors of various sizes, AIRnet piping, Total Responsibility Service Plan

“We incorporated Variable Speed Drive compressors into our system for the energy efficiency, especially because of the way that our shifts work... Our compressors are configured to make the amount of air we need as we need it.”

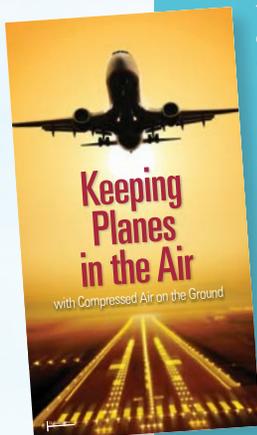
“We are using AIRnet because of the efficiency gains we get compared to black iron or copper pipe. Another driver in our choice of AIRnet is the new style of quick disconnects, which are very efficient.”

“The main driver in our decision to buy Atlas Copco again is the reliability of their equipment. We had Atlas Copco equipment for six years and we've been very satisfied... everything is working great, as we have come to expect.”

Mark Saretsky
Productivity Engineer
Aviation Technical Services, Inc. (ATS)

“Basically, the system can't go down at all so the air compressor has to be absolutely reliable.”

Rich Torgeson
Maintenance Supervisor
Aviation Technical Services, Inc. (ATS)



WE OFFER A WIDE RANGE OF COMPRESSED AIR

GA

Oil-injected, rotary screw compressors which can be configured to include integrated components such as refrigerated dryers, coalescing and particulate filters, and oil/water separators.

GA VSD

Oil-injected, rotary screw, variable speed drive compressors offer significant energy savings of up to 35% over other compressor control technologies because the GA VSD matches the application's fluctuating air demand while maintaining consistent system pressure consuming only the power required to match the system demand. With Atlas Copco's award winning Neos drive.

Z

Oil-free, rotary tooth and screw compressors in both air-cooled or water-cooled option in either refrigerant or heat of compression adsorption technology for maximum energy efficiency and reliability.



L Series

Oil-free and oil-lubricated, air-cooled piston compressors available in a number of durable product variants and options to give added value and flexibility to match your exact needs. Delivers the lowest operating temperatures in the industry.

AR

Tank-mounted compressors designed for the industrial applications that demand high performance and reliable operation. Every model comes with a complete two-year warranty.

GX

Oil-injected rotary screw compressors provide a quieter, more economical alternative to the piston compressor. Each model offers energy efficient performance, product quality, reliability, and ease of maintenance providing an industrial grade piece of equipment for the workshop application. Automatically shuts down when no air is needed.

GA VSD+

Oil-injected, rotary screw, variable speed drive compressors offer significant energy savings of up to 35% over other compressor control technologies because the GA VSD+ matches the application's fluctuating air demand while maintaining consistent system pressure consuming only the power required to match the system demand. Won award for Product of the Year by *Plant Engineering* in 2014.

GA+

Premium efficiency, oil-injected, rotary screw compressors. The GA+ is designed to maximize energy savings for applications that require a fixed-speed compressor, but still need industry leading free air delivery (FAD), efficiency and noise levels.

MAS

Designed to last specifically in harsh marine environments, MAS compressors guarantee low carryover content and discharge temperature. Lowest oil carryover content and discharge temperature in the market. Water- or air-cooled.

GR

Oil-injected, rotary screw, two-stage compressors are a perfect fit for many high pressure applications in such segments as power, automotive, textile, chemical and oil & gas. Plug and play options available in air- or water-cooled.

SOLUTIONS

cooled and water-cooled models. A full-feature
tion dryers is also available. Pushes the limits



LFx

Compact, oil-free piston compressor outfitted with a silencing hood. Modified versions available for dental and railway applications. Anodized and Teflon coated to protect against condensation.

AQ

Oil-free, water-injected rotary-screw compressors in fixed speed and VSD variants deliver pure oil-free air with a high-pressure capability and improved energy efficiency. Ideal for sensitive nature applications and energy efficiency.

GAR

Oil-injected, oil-cooled screw compressor designed specifically with high reliability and long service intervals for dedicated railway applications. Atlas Copco has been specializing in railroad production since 1873.

SF

Oil-free scroll in mono, skid and multicore variants with variable flow technology provide the highest levels of flexibility and choice. New, in-house SF+ design with more efficient motors and advanced controls.

ZE/ZA

Air- and water-cooled, single-stage, oil-free, rotary screw compressors for your low pressure compressed air needs. Incorporates Atlas Copco's screw technology, steel coolers, state-of-the-art electrical drive system and AGMA A4/DIN 5 gears.

ZB VSD

Single-stage, low-pressure variable speed centrifugal blowers feature pioneering innovation and state-of-the-art technology with unrivaled reliability and the lowest maintenance cost by employing non-contact magnetic bearings. State-of-the-art air foil bearing technology for high energy efficiency.

Z VSD

Air- and water-cooled, two-stage, oil-free, rotary lobe/screw, variable speed compressors provide a quality end product and ensure a healthier environment. First compressor in the world to be certified Class 0 according to ISO 8573-1 edition 3, 2010.

ZS

Low pressure compressed air is the backbone of many production processes. The ZS is the latest addition to Atlas Copco's air blowing solutions, manufactured to the highest standards of quality and reliability. Built to ensure complete product safety, ZS blowers guarantee a continuous, highly reliable, energy-efficient and 100% oil-free air supply for years on end.

LZ Series

Oil-free piston compressor with one bearing motor, and sound attenuating materials and canopy. Available in different power, pressure and electric variants.



ZH

Reduced scope (non-packaged) version of the ZH to offer solutions for customers who are replacing or retrofitting a pre-existing, traditional-style centrifugal compressor, and may already have the necessary major components and infrastructure in place. No instrument, start-up, or seal air required.



HX/HN

Oil-free reciprocating piston compressor designed for 24/7 industrial service that can be customized to meet specific requirements. Stepped capacity control with double-acting cylinders.



ZD

High pressure, water-cooled, oil-free screw and reciprocating piston compressor available in fixed and VSD variants. Completely developed in-house.



P

Oil-free reciprocating piston compressor for continuous industrial operation as a compact 3-stage machine. With addition of oil-free screw unit, 4-stage is available. Delivered as a complete package with no reassembly required.

ZH+

Oil-free, completely packaged 2- and 3-stage centrifugal air compressors are the world's first and only true "Plug & Play" solution. The ZH is a complete, pre-engineered skid package with all necessary components integrated and package mounted to provide for clear capital costs, with no costly additions. Integrated design includes internal piping, coolers, motor, lubrication, inlet guide vanes and control system.

ZS+ VSD

Oil-free, positive displacement screw blowers built as a plug and play model integrated with variable speed drive and Elektronikon system controls. Extra energy savings by tuning air flow to air demand.

D

Mono- or two-stage oil-free reciprocating booster in fixed or variable speed drive designed for air and nitrogen compression. Use your energy twice.

ZT/ZR

Oil-free rotary tooth compressor available in fixed speed and VSD variants, water- and air-cooled, refrigerant or adsorption drying technology to deliver the highest levels of air purity. All in one package decreases electric bill by 35 percent.

AIR TREATMENT AND VACUUM SOLUTIONS



DD+/PD+/OD+ Filters

Low pressure drop and ISO class filtration levels make Atlas Copco coalescing and particulate filters the perfect solution for your quality air needs. Silicone free also available. Performance is independent of relative humidity.



UD+ Filter

Coalescing compressed air filter with glass fiber media package combining two filtration processes in one. Reduces pressure drops by 40% while saving space.



CD Dryer

Heatless desiccant dryers provide -40° to -100° F pressure dewpoints for some of the driest compressed air in the industry. CD+ version now available for maximum energy savings.



SD Dryer

Membrane dewpoint suppression dryer capable of reducing moisture content by 55° to 100° F below inlet temperatures. Two versions are available in seven different sizes.



QDT Activated Carbon Filters

High efficiency carbon filters capable of removing oil vapor and odor from compressed air. The energy saving, low pressure drop activated carbon towers use adsorption to reduce the residual oil content. Reduces residual oil content to $<.003$ mg/m³.



AD, BD Dryer

State-of-the-art heated and blower purge desiccant dryer capable of providing pressure dewpoints of -40° to -100° F with maximum energy efficiency and system connectivity. Improved BD+ version now available.



FD Dryer

Refrigerated compressed air dryer provides efficient and reliable dry compressed air through cycling dryers, fixed speed and variable speed circuit design. When combined with the Elektronikon[®], which is Atlas Copco's patented controller, compressor control room connectivity is a snap. Among the most environmentally friendly and quietest in their class.



FX Dryer

Refrigerated dryer with a robust heat exchanger allows for wide variation of ambient conditions without a fluctuating moisture level in the dried compressed air. Dew points as low as 37° F.

MD, ND, XD Dryer

Heat of compression dryers, specifically designed to operate with Atlas Copco's oil-free compressors, will eliminate compressed air moisture with no purge air and no more electrical energy than is used to power a light bulb. XD consumes no compressed air thanks to the Zero Purge cooling. ND delivers 100 percent flow capacity at the output.



EWD Electronic Water Drain

The EWD drain offers security and confidence, enabling you to solve condensate discharge problems even with heavily contaminated systems. A wide range of different EWD drains is available and may be provided with additional hard coating for use with oil-free and aggressive condensate. Liquid level sensors monitor condensate build-up and evacuate when necessary.



AIRnet Piping

A galvanized steel compressed air piping system has been the "industry standard" for many years. AIRnet raises the bar in compressed air piping systems, using only highly durable, light weight materials like aluminium and polymer. No welding, gluing or crimping required.



OSC/OSD Separators

These products, offered free-standing or integrated, are designed to separate all kinds of condensate from all compressor technologies, reducing both installation costs and complexity, and offering outstanding efficiency with minimal maintenance. High efficiency separation for worry-free condensate discharge.



ConservAIR

Flow controllers and receiver storage tanks help provide a fully efficient compressed air system with a minimum amount of compressed air at a minimum pressure, ensuring there will always be an immediate supply of air to meet all production demands, while saving energy as well. Reduces energy costs by 25-40%.



Nitrogen and Oxygen Generators

Our units produce high purity nitrogen by separating compressed air into two groups: nitrogen and all other gases. The nitrogen molecules are drawn away from the other gases in the air and stored in a receiving tank. Nitrogen is an inexpensive gas which can be used as a "clean and dry" compressed air alternative for many applications. Make only as much as you need.



Receiver Tanks

An important requirement for any compressed air system, these vessels (or tanks) are used to store the compressed air.



GV Vacuum Pumps

Oil-sealed rotary vane vacuum pumps offer a compact, reliable, low-maintenance solution for your vacuum needs. Designed with in-house, reliable screw element.



GVS Vacuum Pumps

Air- or water-cooled, oil-flooded rotary screw vacuum system. All systems come standard with modulating inlet valve, sound insulated canopy, and highly efficient oil mist separator. Humid version now available.

TOTAL CUSTOMER CARE

Facility Trained and Authorized 24/7 Service and Support

We know compressed air is the heartbeat of your company. That's why it's exceedingly important to ensure a reliable operation and long service life for your installed compressed air solutions. By regularly performing preventive maintenance, you minimize the risk of high production costs due to poor performance and breakdowns.

To protect you, Atlas Copco Compressors offers a number of solutions for support and maintenance at the lowest cost, from our own standardized genuine parts, to remote monitoring and optimization. We want you to see Atlas Copco as a real performance partner that can contribute to the productivity of your processes. The best way of taking care of your interest is by taking the best care of your equipment.

Air Audit – A complete AIRScan audit includes a full survey of important compressed air parameters and solutions to pinpoint the areas where potential savings can be made in your plant. Using the logged information, a detailed report is compiled, including cost analysis, graphs and a list of recommendations for improving your system's performance.

Emergency Hotline – We have our own national emergency service hotline to provide you with a single, toll-free resource for compressor related emergency service needs 24 hours a day, 365 days a year for all domestic customers. **The hotline can be reached at 866-472-1015.**



Service Solutions

Customer Support Options – Our specialized advisors will visit and assess your production facility to propose the most cost effective service plan to perfectly meet the needs of your business and ensure constant productivity at peak level.

Some of our options include:

- ▶ **Total Responsibility Plan** - Atlas Copco can take full responsibility for your compressed air infrastructure with a guarantee of best-in-class quality for complete peace of mind.
- ▶ **Preventive Maintenance Plan** - We service your system at predetermined intervals to lower the risk of unexpected problems and keep your production process optimal at all times.
- ▶ **Parts-Only Preventive Maintenance Plan** - We provide you genuine, high quality parts and lubricants at the correct intervals, but leave the actual maintenance up to you.
- ▶ **Extended Warranty+ Plan** - An extended five year warranty covering repair costs and complete preventive maintenance by our specialized service teams with only our high-performance genuine parts.
- ▶ **Fixed Price Repair** - Cover all maintenance, repairs and product updates for a single fixed price, including parts, labor and traveling expenses. A comprehensive diagnostics report is delivered after each visit.





Remote Monitoring

Keep an eye on your equipment at all times with SMARTLINK, an easy to install, efficient to monitor, tailored compressor monitoring program. It offers a complete insight of your compressed air production and helps to predict potential problems, thus anticipating them. It also shows how and where the production can be optimized, and where energy can be saved.

Choose from 3 levels to best fit your needs:

▶ SMARTLINK Energy:

Safeguard the performance of your equipment.

Continuously monitor and analyze the energy efficiency of your compressor room. You decide on the performance indicators, you define the benchmarks. SMARTLINK analyzes and reports. You can make accurate and immediate improvements when needed. The results can be used for energy monitoring according to ISO50001.

▶ SMARTLINK Uptime:

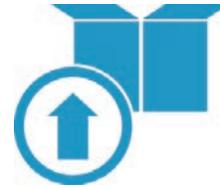
Keep your compressors up and running.

By e-mail and/or text, you receive all relevant machine indications, including warnings and shutdowns, in advance.

▶ SMARTLINK Service:

Rule out all uncertainties.

Schedule maintenance visits on your compressor through your service log book. Your online link with Atlas Copco allows you to request and receive quotes for spare parts or additional services very fast.



Upgrade Programs

Our upgrade kits are the result of continuous engineering to make the latest technology available for your existing equipment range. This will improve key performance features, such as energy consumption and reliability.

There are two programs:

▶ **Upgrade Programs:** Upgrading your compressor system will result in substantial energy savings, while the cost will in most cases be equivalent to, or even less than, a replacement of older control systems. The Elektronikon® controller is at the height of technology in sophisticated compressor control software. An upgrade will improve the reliability, uptime of your equipment, and extend connectivity to modern plant control systems.

▶ **Xchange Programs:** The Xchange Program offers you the possibility to replace major components of your compressor with new, more efficient components. Available for your motor, overhauled elements and VSD converters.



Remanufactured Equipment – Our OriginAIR program offers our value-driven customers a great way to purchase recertified equipment with complete confidence and peace of mind due to our unique certification program. We restore and rigorously test machines, enabling us to offer the same warranties and service you expect when purchasing new equipment.

▶ **Buy-back Program** – Since your air requirements may change over time, you need flexibility for your compressed air installation. OriginAir offers you that flexibility. From a straightforward buy-back option, to a more detailed trade-in deal.

▶ Proactive Element Replacement :



Proactive Element Replacement

- ✓ Work is completed at a convenient time for you
- ✓ Guaranteed parts availability
- ✓ A service technician is pre-scheduled
- ✓ Significantly reduced costs when compared to replacing a failed element.

Failed Element

- Ⓢ Production could go down
- ✗ No guarantee of parts availability
- Ⓢ Downtime increases while you wait for a technician
- ✗ A catastrophic failure of an element can lead to other damaged components and potential safety and environmental issues.

All replaced elements come with a two year warranty.



Driven by innovation

We are celebrating 140 years of innovation and experience. Our mission is to continue to bring sustainable productivity through safer, cleaner, more energy efficient, cost-effective compressed air technology. As a result, every compressed air solution we create helps customers operate with greater efficiency, economy, and productivity.

Local interaction

Atlas Copco Compressors LLC is headquartered in Rock Hill, SC. We have major sales, manufacturing, production, and distribution facilities located in California, Illinois, Massachusetts, North Carolina, South Carolina, and Texas. We take the best possible care of our customers through regional customer centers and appointed distributors. Across all of our different business types and brands, we have over 116 locations and approximately 4,800 people in the U.S.

Committed to sustainability

We are among the top 100 sustainable companies in the world and a member of the Dow Jones World Sustainability Index. Atlas Copco has also been recognized by Forbes, Thomson-Reuters and Newsweek, among others, for our commitment to innovation and sustainability. All Atlas Copco Compressors facilities in the United States are triple certified to ISO 14001, ISO 9001 and OHSAS 18001, a set of standards to protect the environment, ensure product quality, and promote our employees' health and occupational safety.



COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.

www.atlascopco.us
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Atlas Copco

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