



Atlas Copco Quality Air Solutions



In order to be First in Mind—First in Choice® for all your compressed air needs, Atlas Copco delivers the products and services that help increase your business' efficiency and profitability.

Atlas Copco's pursuit of innovation never ceases, driven by your need for reliability and efficiency. Always working with you, we are committed to providing you the customized quality air solution that is the driving force behind your business.



Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.

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www.atlascopco.com



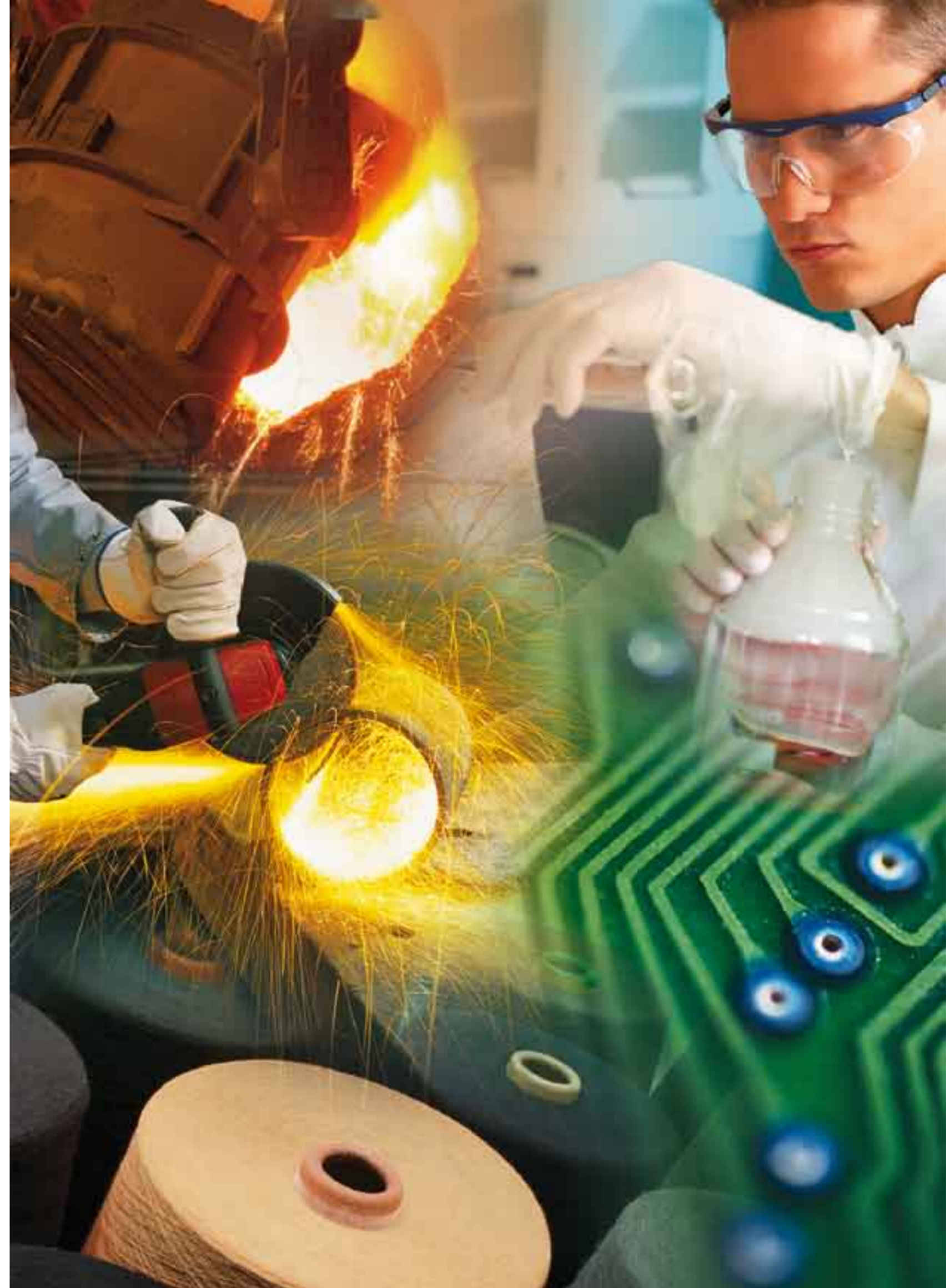


Total capability, total responsibility

Right at the heart of your business, Atlas Copco delivers quality compressed air for superior operational capacity. From compressed air generation to point of use, you can choose from our wide range of products to create a complete compressed air system tailored to your specific needs. All Atlas Copco products are engineered to integrate seamlessly, ensuring the highest level of reliability and energy efficiency. As a result, Atlas Copco can take full responsibility for your compressed air infrastructure with a guarantee of best-in-class quality. With a global presence in over 150 countries, we can provide an unrivalled service to maintain and continually improve your compressed air system performance.

Atlas Copco has been setting the industry standard in compressed air technology for more than a century. Our dedication to offer the best products and services is not limited to plant air solutions, but extends to air treatment solutions, meeting the exact needs of the specific process. Around the clock and around the globe, the Atlas Copco quality air solutions are proving to be trusted partners for high performance, clean and dry air.

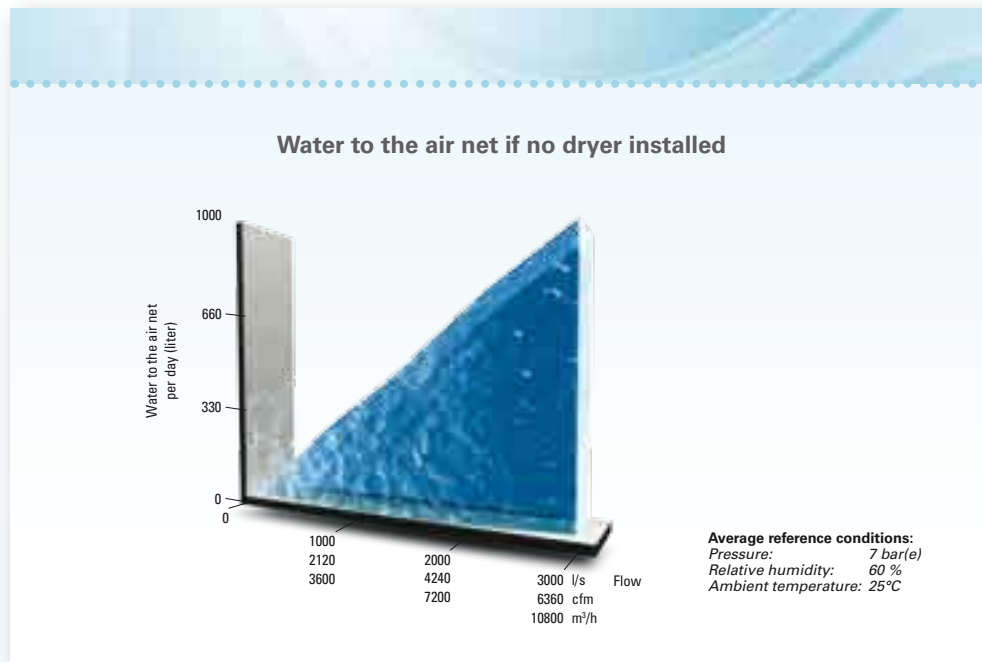
We are committed to your superior productivity through interaction and innovation.



The ultimate protection of your compressed air system

Clean and dry compressed air: it is crucial to power up your busy production environment. While superb quality air is an essential ingredient for the success of your plant, untreated air may cause extensive damage and lead to serious performance degradation. To protect investments, equipment, production processes and

end products, all plants need basic air treatment solutions. More critical applications need enhanced solutions to meet air quality requirements. Atlas Copco presents a full range of innovative air treatment equipment to meet and exceed the quality requirements of your specific application.



SUPREME ENERGY AND COST SAVINGS

Keeping a firm grip on costs is one of your main concerns. Atlas Copco's quality air solutions stand for important energy savings all day, every day, year in, year out. Taking technology to a whole new level, filters and dryers achieve maximum cost savings, allowing you to conduct a truly efficient energy reduction strategy.



EXCEPTIONAL CONVENIENCE

From small workshops to environments with highly fluctuating ambient temperatures, Atlas Copco's quality air solutions offer you the exact air treatment you are looking for. With small footprints, integrated state-of-the-art designs and complete monitoring capabilities, air treatment solutions provide exceptional benefits and answer even the most stringent requirements.



PROVEN PEACE OF MIND

Building on many years of experience in compressed air solutions and continuous in-depth research and development, Atlas Copco offers the widest selection of quality air solutions and application knowledge. With the protection of your compressed air investment in mind, Atlas Copco has designed its complete range to meet your current and future needs while providing the superb quality air according to the latest international standards.



Meeting your every demand

In almost all applications, contamination of the air supply can cause serious performance decline and increase maintenance costs in terms of actual repairs and lost productivity. Backed by extensive experience in developing a great variety of compressor types and technologies, and as market leader

HIGH-PERFORMANCE & RELIABLE

Refrigerant dryers

Removing moisture from compressed air in the harshest conditions, Atlas Copco's refrigerant dryers eliminate system failures and production downtime. Thanks to their pioneering technology, they ensure the lowest pressure drop and lowest energy consumption.



FD

- Cutting-edge performance.
- Unique & patented Saver Cycle Control.



FD VSD

- Variable Speed Drive (VSD) for extra energy savings.
- Powerful & reliable.

ABSOLUTELY DRY AIR

Adsorption dryers

Atlas Copco's adsorption dryers eliminate the moisture completely before it can cause any damage. The complete range operates with total reliability, producing the desired pressure dewpoint even in the most difficult conditions.



BD

- High drying efficiency, low energy cost.
- Pressure dewpoint: -40°C (optionally -70°C).



CD

- Dry air for demanding applications.
- Pressure dewpoint: -40°C (optionally -70°C).

MAXIMUM CONTAMINANT REMOVAL

Filters

All Atlas Copco filters are designed to provide a cost effective solution to prevent any kind of contamination in the compressed air to leave the compressor, with delivered air quality to the latest international standards and with the lowest operational costs.

- Elimination of all types of contamination.
- Minimal pressure drop.



in providing high-quality compressed air solutions, we can offer you the perfect solution for your specific application. Atlas Copco's wide range of quality air solutions is engineered to cost-effectively provide the best quality air and meet today's increasing quality demands.

DRY QUALITY AIR AT MINIMAL COST

Heat of compression dryers

As they use the heat of the compressed air, these unique adsorption dryers are extremely energy-efficient quality air drying systems. They offer the best of both worlds for applications that use processes requiring high quality dry air with minimal energy consumption.



MD

- Top quality dry air at low running cost.



XD

- Heat of compression regeneration.
- Twin tower design.



PERFORMANCE IN CRITICAL CONDITIONS

Membrane dryers

Thanks to their pioneering Advanced Fiber Technology, Atlas Copco's membrane dryers ensure the lowest pressure drop and purge air loss for the highest possible efficiency.



SD

- Custom-built performance.
- Clean air in extreme conditions.

SMALL COMPONENTS, HUGE RESPONSIBILITY

Oil-water separator – Electronic water drain

- No waste of compressed air.
- Considerable energy savings.
- Simple, reliable & safe operation.
- Easy to install & maintain.



OSC

- Separation of compressed air condensate.
- Exceptional performance.



EWD

- Safe & economical condensate management.
- Dependable & economical.

The smart choice

WHY INVEST IN AIR QUALITY?

Compressed air is used in a wide variety of manufacturing and commercial operations. Without proper treatment, however, compressed air contains solid, liquid and gaseous contaminants which reduce the efficiency of your compressed air system, increase your operating expenses and jeopardize product quality. While superb quality air is an essential ingredient for the success of your plant, untreated air may cause extensive damage and lead to serious degradation of your equipment's performance. Moisture in the air causes corrosion to the air piping, which results in air leakages and can drastically increase operational costs. A tiny 3 mm hole, for example, can cause leakages up to 27,156 kWh, which in terms of energy consumption equals an annual cost of € 1,358.

Compressed Air Contaminants

- Dust particles
(from ambient air and/or desiccant)
- Liquid water and water vapor
- Liquid oil and oil vapor
(coming from oil-injected compressors)
- Hydrocarbon vapor
- Rust particles
- Pipe scale
- Acidic condensates

Hole diameter (mm)	1	3	5	10
Leakage (l/s @ 6 bar)	1	10	27	105
Power loss at the compressor (kW)	0.3	3.1	8.3	33
Energy loss @ 24/7 kWh	2,628	27,156	72,708	289,080
Annual costs* (€)	131	1,358	3,635	14,454

*Assuming 1 kWh equals € 0.05



WHY OPT FOR QUALITY AIR SOLUTIONS FROM ATLAS COPCO?

- Nothing but top end components.
- Built to perform across a wide range of conditions.
- Superior control and monitoring.
- Designed using state-of-the-art tools and facilities.
- Based on years of extensive research and development.
- Manufactured using the most advanced production line and methods in the industry.

WHO IS BEHIND QUALITY AIR SOLUTIONS?

Backed by decades of expertise, Atlas Copco has the know-how to offer you total solutions for your specific processes. Atlas Copco is the only company with in-house expertise in

building the widest range of complete compressed air solutions from air compression to air treatment, air distribution and worldwide support.

