

AERZEN PRODUCT OVERVIEW

Positive displacement blowers, screw compressors, rotary lobe compressors and turbo blowers

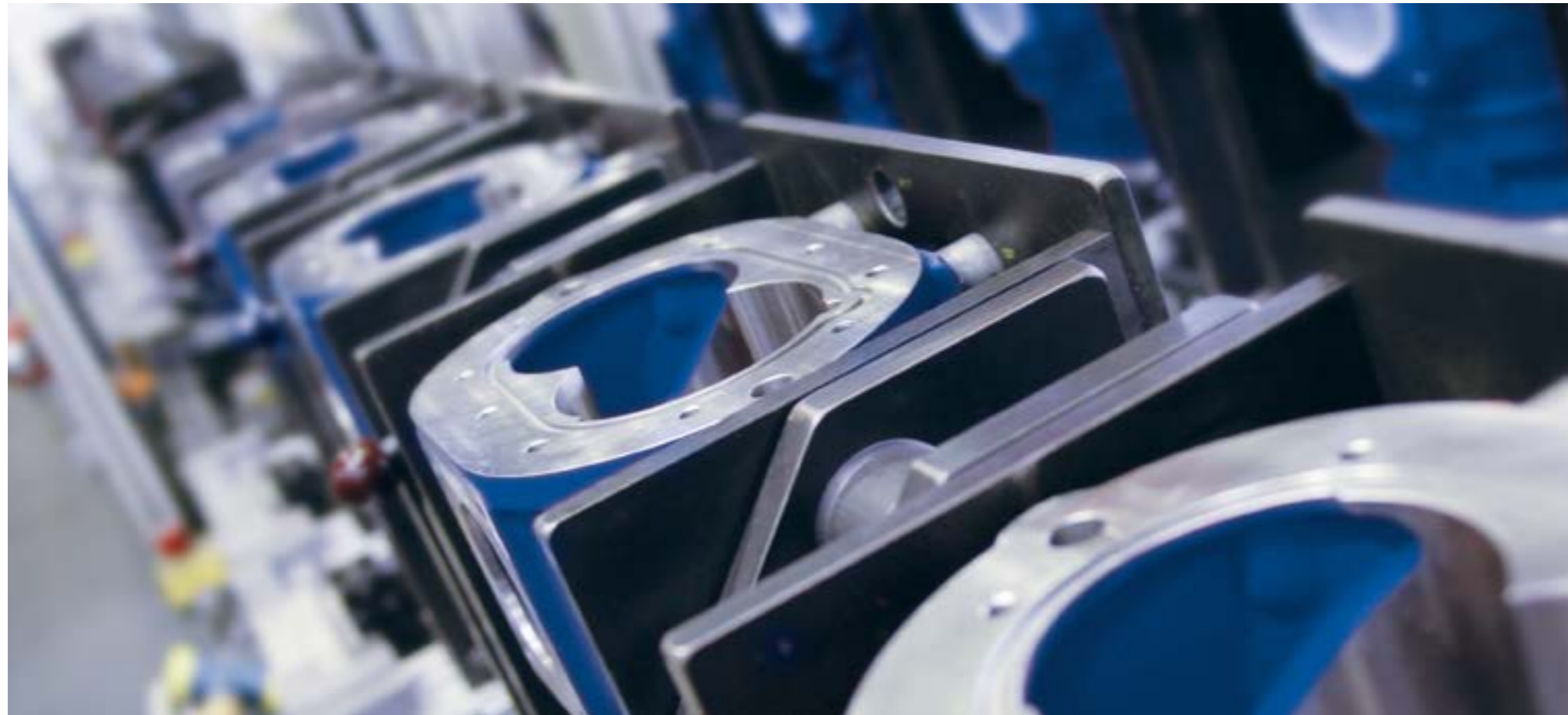


AERZEN



AERZEN

EXPECT THE WORLD. PREMIUM TECHNOLOGIES FROM AERZEN.



Expect Performance.

AERZEN's history is the history of compressor technology. In 1868, we manufactured Europe's first positive displacement blower; in 1911, the first turbo blower; in 1943, the first screw compressor; and, in 2010, the world's first rotary lobe compressor. And today? Today our craft lies in designing these machines to be as efficient as possible – and adapting them to the hundreds of applications that our customers require of us.

What has stayed the same? Even today, in our fourth generation, we have retained our character as a mid-sized family-owned company. That is what inspires our innovation and drive to develop products that enable our customers to get ahead in the global marketplace. Expect a lot. Expect performance!

Classic AERZEN.

What characterises premium technologies today? Is it high performance and service throughout the world? Of course. Energy efficiency? Nowadays this is also a matter of course. At AERZEN, we like to think there is even more to it. Greater creativity, for example, as demonstrated by our countless nationally and internationally awarded patents.

At AERZEN, this creativity is also on display in the less showy aspects of our machines: in their highly compact build; their simple plug & play design; in their exceptionally user-friendly operating concept. Then again, you might take as an example the unusually long intervals our machines can operate between oil changes and servicing – the emphasis here being on quality. Unconditional reliability, an extremely long service life, and ground-breaking energy efficiency – classic AERZEN.

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BIOGAS BLOWERS

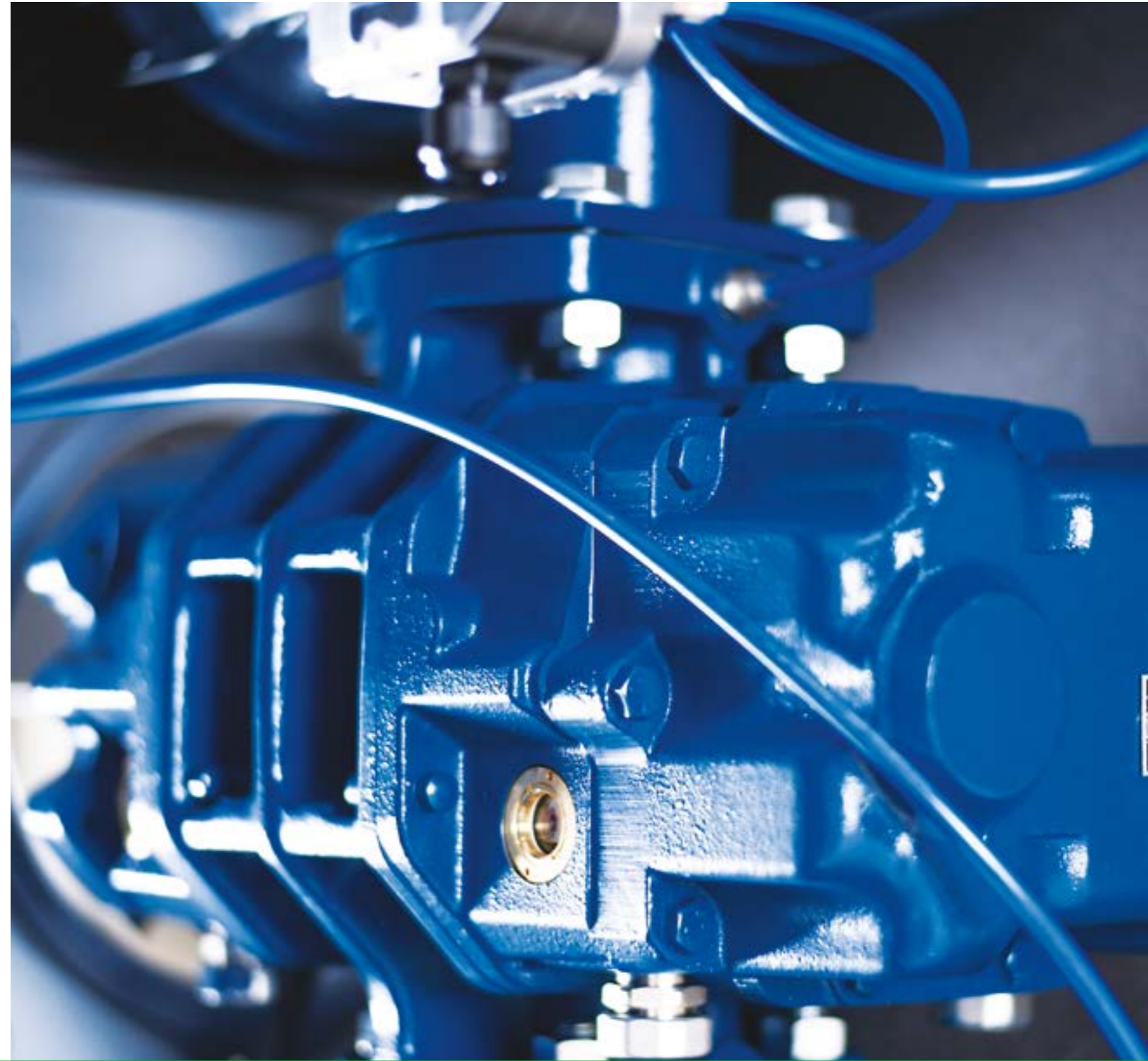
Specially developed for use with biogas, AERZEN GM series biogas blowers ensure maximum performance and efficiency. Available in a range of different sizes. Moreover, they operate in full compliance with ATEX directive 2014/34/EU, the Standard for Compressors and Vacuum Pumps (EN 1012-3) and DVGW regulations, and can be used in explosion protection zones I and II.



Delta Blower GM 35 ... 50L biogas package

Belt-driven, 3-lobe compact assembly. Blower stage and package available in special materials and with numerous modifications possible. ATEX certified. A wide range of accessories available, such as overflow regulator and isolating equipment.

- Volume flow: 30 to 2,700 m³/h
- Positive pressure: 1,000 mbar (g)
- Medium: landfill gas, biogas, natural gas, town gas



Biogas aids considerably in achieving nationally and internationally targeted reductions in CO₂. AERZEN offers solutions for many applications within this sector.

AERZEN TURBO BLOWERS.

COMPACT POWER IN AERATION TANKS.

AERZEN turbo blowers. Over the years we have perfected the technical excellence of our assemblies, acquiring an expertise that has set the global standard in the process. This is reflected in improved energy efficiency, low life cycle costs and specially developed core components. It is an expertise present in every detail of AERZEN's continuous flow machines.



The AERZEN turbo impeller. Individually designed for every performance class – peerless efficiency.

Making waves.

AERZEN turbo blowers: developed to cope with large intake volume flow rates but speed-controlled, 100% oil-free, and designed for use in the most demanding areas of industrial and municipal wastewater treatment and many other fields of application. We have worked tirelessly to advance this technology since 1911, with each generation of units representing an innovative leap forward. Our newest series combines an outstanding energy balance with a host of unique details. The design of the stainless steel impellers, single air gap permanent magnet motors, actual airflow measurement – all are concepts that have made waves in the world of compressors.

Not unlike AERZEN's Performance³; a compound system comprising the Aerzen Turbo, the Delta Blower positive displacement blower and the Delta Hybrid rotary lobe compressor that is probably the highest performing portfolio of solutions for the fluctuating demands of biological waste water treatment plants on the market today: We are referring to the compound system comprising the Aerzen Turbo, the Delta Blower positive displacement blower and the Delta Hybrid rotary lobe compressor. This combination of technologies guarantees a singular performance. With maximum energy savings and the best possible control ranges it's possible to achieve a ROI in just 2 years, depending upon the conditions in the plant.



Aerzen Turbo AT G5^{plus}

Highly compact turbo package for small and mean volume flows. Lowest maintenance and sound emission, no vibrations and highest energy efficiency. Easiest installation; plug & play solution with all components integrated.

- Volume flow: 360 to 8,400 m³/h
- Positive pressure: 1,000 mbar (g)
- Medium: air and neutral gases



Aerzen Turbo AT G5

Highly compact turbo package for mean and high volume flows. Lowest maintenance and sound emission, no vibrations and highest energy efficiency. Easiest installation; plug & play solution with all components integrated.

- Volume flow: 3,000 to 16,200 m³/h
- Positive pressure: 1,000 mbar (g)
- Medium: air and neutral gases

COUNTLESS PROCESSES. NO COMPROMISE. FIELDS OF APPLICATION.

AERZEN offers its customers compressor technology that has been perfectly designed right down to the last detail. It is not a stretch to say that we have something for every application, for every region on our planet. We give you our word. Because if it is not already included within our wide range of standard models, modifications and accessories available to date, then we will build it for you, as a special solution.

Compression under any conditions.

Compressed gases are used in every possible condition imaginable – accordingly our technologies are suitable for use in every condition imaginable. Whatever the model or specification, whether indoor or out, onshore or offshore, stand-alone or as part of a compound system, they work in any ATEX zone or temperature zone in the world – even under the most extreme conditions. As reliable at +60°C as they are at -40°C. As safe in lulls as in wind speeds of up to 150 km/h; in the desert, the Arctic and in earthquake zones; and for any other static or mobile application. Any exceptions? None to date. Why not give us a challenge?

Understanding applications.

Only compressor technology that is precisely tailored to the application is truly economical. You might call it right-sized. To achieve that you have to know the processes – something that we pride ourselves on at AERZEN. That alone makes it important to us to maintain close contact with our customers, and explains why it is so important to us that we fully understand your applications in detail. Our exceptional history helps us in that respect: over the past 150 years we have configured machines according to every possible specification, dealing with hundreds of thousands of projects of every possible size across every continent. This wealth of experience makes us a unique and valuable consultant for any questions regarding potential applications.

Sectors

- Chemical and petrochemical
- Cement industry
- Foodstuffs and luxury food industry
- Power plant technology
- Glass industry
- Paper industry
- Plastics industry
- Steel and iron industry
- Textiles industry
- Pharmaceutical and cosmetics industry
- Medical technology
- Mining and metallurgy
- Electronics industry, solar power
- Municipal or industrially operated waste water treatment plants
- Oil and gas industry
- Biogas industry
- Energy suppliers

and more



ANYTHING BUT ORDINARY. THE WORLD OF AERZEN SERVICES.

AERZEN machines are legendary for their durability. Why is service necessary at all, then? For us, it's about more than availability and original OEM parts. AERZEN services safeguard your investments and productivity, and ensure that you stay ahead of the competition. From anywhere on earth.

Benefit from AERZEN's OEM competence, anytime, anywhere



AERZEN on-site service.

Our service teams work wherever our machines are, anywhere in the world, onshore or offshore, and frequently under extreme conditions. How do we manage? Because we are never far away. AERZEN has developed a wide network of service support centres and decentralised parts depots around the globe. At these centres, you will find over 200 well-trained service technicians ready to help, whenever and wherever you need them.

Equipment rental and other services.

The AERZEN service world has plenty to offer to its customers. For example, we offer custom designed service kits, including replacement stages, machine diagnosis, acoustic optimisation. One of our most important services is the AERZEN Rental Division, which has a large stock of rental machines: AERZEN blowers, turbos and compressors in a wide range of performance classes, for all standard pressure ranges, for immediate use and delivered on request – turnkey ready. What does that mean for our customers? Even in the event of an unanticipated need, you will be well equipped.

Contact worldwide

AERZEN's team of 2,000 employees is active on every continent. With six sales offices in Germany alone, we are always nearby. And with 50 subsidiary companies spread across 100 different countries, we are never far away should you need us. Call us at:

+49 5154 81-0

Service Hotline Germany

Our German service centre is available for customers, applications and the maritime industry in Germany. We look forward to your call:

0700 49318551

Customer Net

Looking to learn more about our company and about AERZEN's industry-leading compressor technology? It's easy: just visit our Customer Net or our home page. Everything you need to know in one location:

www.aerzen.com