

AERZEN PRODUCT OVERVIEW

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



AERZEN

EXPECT A LOT. PREMIUM TECHNOLOGIES FROM AERZEN.



Expect Performance.

The story of AERZEN? It is the story of compressor technology. In 1868, we built Europe's first positive displacement blower. In 1911, we built the first turbo blowers in the world. Then, in 1943, the first screw-type compressors, and in 2010, the first rotary lobe compressor worldwide. And today? Today, it is our task to design these machines to work as efficiently as possible - and to adapt them to the hundreds of applications our customers bring to us. And what remains of our tradition? We have preserved the character of a medium-sized family company into the fourth generation. This gives us our drive for innovation. We strive to develop products that strengthen our customers' global businesses. Expect a lot. Expect Performance!

Typical for AERZEN.

What distinguishes modern premium technologies? Performance and worldwide service? Sure. Energy efficiency? Nowadays, this goes without saying. However, we at AERZEN believe there is more to it than that. More innovative ideas, for example. These are evident in many national and international patents. But at AERZEN, these can also be found in more discreet aspects of our machines. In our particularly compact designs. In our simple Plug&Play principle. In our fantastic, user-friendly operating concepts. Or our especially long oil-change and maintenance intervals. This brings us back to the topic of quality. The unconditional reliability, the extremely long service life of our technology paired with ground-breaking energy efficiency - all of this is typical for AERZEN.

POSITIVE DISPLACEMENT BLOWERS. TOUGH ENDURANCE RUNNERS.

AERZEN built the first positive displacement blower in Europe. That was in 1868. Today, these stages and assemblies are among the most successful compressors ever. Highly developed series products for the most diverse applications. In almost all industries. Powerful, economical and extremely durable.

Proven - and more innovative than ever.

The Roots principle was the inspiration for the development of AERZEN's positive displacement blowers. And that is a good thing. Even 150 years later, it remains one of our most successful design principles. Today, AERZEN's twin-shaft positive displacement blowers for oil-free conveying are more innovative than ever. The large number of design enhancements ensures first-class values in terms of efficiency. AERZEN patents such as the integrated pulsation reduction ensure low noise emissions and vibrations. Typical for the blowers from AERZEN are also the service-friendliness and the sustainable reduction of life cycle costs. The series of innovative details could be continued. But what counts most in everyday practice? The long-lasting quality of our blowers. Made by AERZEN is legendary for this.

Where reliability decides.

AERZEN offers a wide product portfolio for all aspects of blower technology. Perhaps the widest of all. The highly developed machines are available in a wide range of models, sizes, and special designs.

For conveying air, oxygen, neutral, aggressive or toxic gases - vertically or horizontally. In overpressure, negative pressure, or vacuum. Can be used worldwide where air and gases are conveyed and compressed. And where reliable availability, energy efficiency and oil-free operation are decisive.



TOP PERFORMANCE WITH HIGH VOLUME FLOWS.
RELIABILITY IN ITS HIGHEST FORM.

POSITIVE DISPLACEMENT BLOWERS OVERPRESSURE/NEGATIVE PRESSURE

Pneumatic conveying of bulk materials and waste water treatment are the main areas of application for positive displacement blowers. AERZEN supplies customised solutions for this. Powerful standard, compact and special blowers. Tailored to the most diverse applications and individual customer requirements. And always a first choice. Functional as well as economical.



Delta Blower G5 blower package

Belt-driven 3-lobe blower with discharge silencer free of absorption material and oil-free according to class 0. Extremely low noise levels, side-by-side installation and versatile adaptability. Available in 17 sizes.



Volume flows:
30 to 15,000 m³/h



Negative pressure:
-500 mbar (g)
Overpressure:
1,000 mbar (g)



Conveying media:
Air and
neutral gases



Blower stage GM 35 ... 1080 L

Robust 3-lobe blower stage for system manufacture. Versatile application. Designed for belt drive. Low pulsation and reduced piping noise. Available in 22 sizes as standard.



Volume flows:
30 to 65,000 m³/h



Negative pressure:
-500 mbar (g)
Overpressure:
1,000 mbar (g)



Conveying media:
Air as well as neutral,
toxic, combustible,
explosive, corrosive gases
or mixed gases.



Overpressure blower stage bulk vehicle GM 13.5 ... 13.f7-1

Robust 2- and 3-lobe blower stage for mounting on bulk and silo vehicles with extended pressure differences up to 1.2 bar. Two-sided conveying direction with horizontal or vertical flow. Direct or belt drive version. Proven technology, oil-free.



Volume flows:
600 to 2,250 m³/h



Overpressure:
1,200 mbar (g)



Conveying media:
Air and
neutral gases



Blower package Alpha Blower

2-/3-lobe blower package with direct or belt drive in a modular system. Low pulsation and reduced piping noise. Fully integrated oil system in the stage. Integrated sound reduction measures.



Volume flows:
9,600 to 77,000 m³/h



Negative pressure:
-800 mbar (g)
Overpressure:
1,000 mbar (g)



Conveying media:
Air and
neutral gases



Large Alpha Blower

104 model variants with low pulsation, reduced piping noise, integrated sound reduction measures and fully integrated oil system in the stage. 2-/3-lobe blower stage with direct or belt drive in a modular system.



Volume flows:
9,600 to 77,000 m³/h



Negative pressure:
-800 mbar (g)
Overpressure:
1,000 mbar (g)



Conveying media:
Air and
neutral gases



Vacuum stage with pre-inlet cooling GMa/b/c ... m

Proven 3-lobe blower technology for system manufacture for forced conveying in negative pressure up to 80 % vacuum. Oil-free and extremely robust. Belt or direct drive version. Ideal for bulk and silo vehicles.



Volume flows:
60 to 50,000 m³/h



Negative pressure:
-800 mbar (g)



Conveying media:
Air and
neutral gases