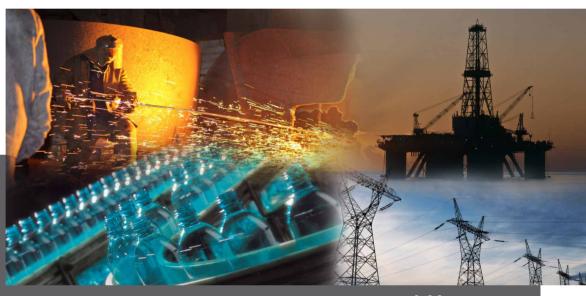


Dependable Compressors for Industry



Dependable Partner







Dependable Compressors for Industry

Sauer & Sohn has more than 70 years' experience and know-how in the design of high pressure Compressors. Founded in 1884 in Kiel, under the name of Wilhelm Poppe, the mechanical engineering company has been manufacturing a range of compressors. Initially developed in-house, the year 1930, marked the beginning of a remarkable success story for the company. Elgi Sauer compressors, being a joint venture between Elgi Equipments Ltd. and Sauer Germany combines the skill set of our German counterpart and the experience of an Indian company which has over five decades of experience in the business arena.

Industry relies on Elgi Sauer piston compressors for pressures up to 500 bar to control process and production using high pressure air or gas. Our starting and working air compressors have proved highly successful in a demanding market and are among the most modern and efficient in the world. Elgi Sauer places great importance on proficient customer support. We assist our customers from the initial project phase through to after-sales service with specialist consultation for the complete solution while ensuring the best possible efficiency over the entire life-cycle of the product.

Elgi Sauer customers benefit from the following advantages

- The very latest compressors, control systems, compressed-air treatment systems and accessories
- Optimum customer services starting with the initial enquiry and extending over the entire life of the product
- 100% compressor check at final pressure
- Long operating life with guaranteed availability of replacement parts
- Turn-key solutions produced in accordance with customers' specifications
- Customer-specific documentation and calculations
- Trouble-free operation, even under the most extreme conditions (55°C ambient temperature)
- Individual, customer-oriented service concepts.

Elgi Sauer Compressor for Power Generation

For decades now, Sauer compressors have been operating reliably in power plants of all types throughout the world, regardless of whether they operate continuously or in start /stop mode. At the same time, the volume flows and pressure ranges are tailored to suit the specific needs of our customers.

Where are Elgi Sauer Compressors used?

- Diesel-engine generators
- Starting air
- NOx treatment

Which Elgi Sauer product ranges are used?

- Product Ranges: MISTRAL, PASSAT, 6000
- Volumetric Flow: 10 485 m³/hr
- Pressure Range: 15 50 bar (g)
- Medium: Air
- Steam power plants, coal- red power plants, waste incineration facilities
- Desulphurisation
- Removing fuel residues (soot blowing)
- NOx treatment

Which Elgi Sauer product ranges are used?

- Product Ranges: MISTRAL, PASSAT, HURRICANE, 6000
- Volumetric Flow: 10 1000 m³/hr
- Pressure Range: 15 250 bar (g)
- Medium: Air, hydrogen

Gas-turbine power plants, combined heat and power plants

- Starting air
- Purging air
- Sealing gas (nitrogen)
- Feeding gas

Which Elgi Sauer product ranges are used?

- Product Ranges: MISTRAL, PASSAT, THYPOON, 6000
- Volumetric Flow: 100 1000 m³/hr
- Pressure Range: 15 50 bar (g)
- Medium: Air, nitrogen

• Nuclear power plants, atomic power plants

- Starting air for emergency power, for diesel engines

Which Elgi Sauer product ranges are used?

- Product Ranges: MISTRAL, PASSAT, TORNADO, HURRICANE
- Volumetric Flow: 10 265 m³/hr
- Pressure Range: 30 250 bar (g)
- Medium: Air, hydrogen

Hydro-electric power plants an other hydro-electric facilities

- Braking air for pneumatic brakes
- Adjusting turbine blades and large valves
- Blowing air (blowing out the water to eliminate the load during starting)
- Preventing pulsation and cavitation

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, TYPHOON, 6000, MISTRAL
- Volumetric Flow: 50 500 m³/hr
- Pressure Range: 30 100 bar (g)
- Medium: Air, nitrogen

Elgi Sauer Compressor for Power Distribution

One of the first Sauer industrial compressors was used to extinguish electrical arcs in electrical substations. Since this sale back in 1956, we have made constant efforts not only to expand and develop our expertise but also to invest it in the compressors themselves. As a result, Sauer is now one of the best-known suppliers for electrical substations — an application requiring safe and reliable operation, taking into account the extreme conditions, encountered. Sauer offers reliable solutions for renewable energies too, for example: the distribution of bio-methane in order to generate electricity. With its gas tight compressors built according to individual customer specifications, Sauer is one of the forerunners within this sector. Sauer strives to customize as per customers' individual requirements and fulfil almost every request relevant, to the product.

Where are Elgi Sauer Compressors used?

- Electrical sub-stations
- Extinguishing electrical arcs
- Actuating open power switches

Which Elgi Sauer product ranges are used?

- Product Ranges: MISTRAL, PASSAT, HURRICANE, TORNADO
- Volumetric Flow: 10 300 m³/hr
- Pressure Range: 30 100 bar (g)
- Medium: Air













2

Elgi Sauer Compressor for Processing Industry

One of the most expensive and at the same time varied area that uses Sauer compressors is the processing industry. With the help of Sauer's medium and high pressure compressors, materials and other substances can be converted, shaped, blended, cast or pressed. Equipped with reliable and economical compressors as well as its knowledge and understanding of the overall processes involved, knowledge and understanding of the overall processes involved, Sauer is the ideal partner when it comes to finding solutions for individual applications.



Where are Elgi Sauer Compressors used?

Metal Treatment

- Hardening materials

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, HURRICANE
- Volumetric Flow: 50 200 m³/hr
- Pressure Range: 20 40 bar (g)
- Medium: Helium

Checking and testing

- Checking brakes, air bags, injection system and other components under pressure
- Checking the gas tightness of components using helium
- Checking valves, containers and other fittings under pressure

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, HURRICANE, 6000
- Volumetric Flow: 50 2000 m³/hr
- Pressure Range: 20 420 bar (g)
- Medium: Air, nitrogen, helium

• Laser metal cutting

- Create an inert atmosphere surrounding the laser

Which Elgi Sauer product ranges are used?

- Product Ranges: Mistral, TORNADO, HURRICANE
- Volumetric Flow: 10 100 m³/hr
- Pressure Range: 20 300 bar (g)
- Medium: Nitrogen

• Nitrogen - generation and storage

- Creating an inert atmosphere
- Transporting media
- Inflating aircraft tyres
- Filling fire-extinguishing systems

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, TORNADO, HURRICANE, 6000
- Volumetric Flow: 10 2000 m³/hr
- Pressure Range: 20 400 bar (g)
- Medium: Nitrogen

Elgi Sauer Compressor for Research & Development

Many firms and institutions use Sauer compressors in a variety of areas, while conducting research and development. Regardless of whether sensitive gases are in use, modern materials are being tested or complex processes play an important role, Sauer compressors are sound choices for any application since, they have been operating without problems for many decades.

Customers value our understanding of industrial applications and our ability to come up with exactly the right type of compressor, to suit their requirements, for example: the majority of universities rely on our compressors, with regards to helium recovery.



Where are Elgi Sauer Compressors used?

Research institutions and universities

- Metrology
- Ultrasound wind tunnels
- Nano-coatings
- Helium recovery
- Crash tests as part of vehicle development

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, TORNADO, HURRICANE, 6000
- Volumetric Flow: 50 2000 m³/hr - Pressure Range: 20 - 420 bar (g)
- Medium: Air, helium

• Engine development

- Starting air
- Natural-gas storage

Which Elgi Sauer product ranges are used?

- Product Ranges: MISTRAL, PASSAT, HURRICANE
- Volumetric Flow: 50 2000 m³/hr
- Pressure Range: 30 350 bar (g)
- Medium: Air, natural gas

Elgi Sauer Compressor for Oil and Gas Industry

Onshore or Offshore, Sauer compressors are used in a variety of applications within the oil and gas sector. Designed for 24/7 operation, their robust construction allows them to be used (virtually) anywhere and under extremely difficult environmental conditions namely , exposure to saltwater, heat or cold. Sauer compressors easily satisfy the criteria of nearly all classification societies such as ABS, DNV and GL, whilst complying with a range of other certification systems.

In addition to our standard solutions, we also provide complex solutions which are designed to meet our customers' specifications. These include mobile, container-type units, gas tight or explosion-proof designs, units featuring diesel or gas engines and even combinations of all of these.



Where are Elgi Sauer Compressors used?

• Offshore – Seismic Applications

- Air guns / surveying the seabed
- Motion compensating on board floating crude-oil platforms

Which Elgi Sauer product ranges are used?

- Product Ranges: HURRICANE, 5000, 6000
- Volumetric Flow: 30 750m³/hr
- Pressure Range: 100 400 bar (g)
- Medium: Air, nitrogen

Nitrogen generation and storage

- Creating an inert atmosphere
- Drilling deep wells
- Revitalization of oil wells

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, TORNADO, HURRICANE, 5000, 6000
- Volumetric Flow: 10 2000 m³/hr
- Pressure Range: 20 400 bar (g)
- Medium: Nitrogen

• Pipeline-Related Services

- Cleaning pipelines
- Checking pipelines

Which Elgi Sauer product ranges are used?

- Product Ranges: HURRICANE, 6000
- Volumetric Flow: 30 2000 m³/hr
- Pressure Range: 30 400 bar (g)
- Medium: Air

Elgi Sauer Compressor for Steel Industry

Medium and high pressure compressors are used in a wide variety of metallurgical applications, which encompass the entire range of processes for producing and using metals, metalloids and non metals. Wherever they happen to be used, Elgi Sauer compressors accomplish their job reliably and efficiently. Along with this, their particularly long operating lives even under extreme environmental conditions, makes them more or less indispensable within the field of metallurgy.

Where are Elgi Sauer Compressors used?

- Producing and forming steel
- Descalers descaling
- Raising pressure for steel presses
- Argon and nitrogen for carbon treatment

Which Elgi Sauer product ranges are used?

- Product Ranges: HURRICANE, 5000, 6000
- Volumetric Flow: 30 2000 m³/hr
- Pressure Range: 16 400 bar (g)
- Medium: Air, nitrogen, argon



Elgi Sauer Compressor for Plastic forming

In the complex field of plastic forming, more and more customers are relying on Sauer compressors given the reliability and the uncomplicated, rapid service offered by the company. In this sector, it is particularly important to have a continuous supply of compressed air available in order to avoid production (where many of our customers operate), failure to produce the required number of units can ultimately decide whether or not a company can continue to exist. with its 24/7 design, the sauer compressor is able to operate even in the most difficult environmental conditions and is therefore the ideal compressor to meet the requirements of customers in this particular sector.

Where are Elgi Sauer Compressors used?

- Internal gas-pressure procedures
- Isostatic forming
- Manufacturing PET bottles

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, TORNADO, HURRICANE, 6000
- Volumetric Flow: 10 600 m³/hr
- Pressure Range: 40 350 bar (g)
- Medium: Air, nitrogen







Elgi Sauer Compressor for Safety

In situations where safety depends on high product availability, robust high-pressure compressors are needed. This is precisely why Sauer compressors are used for applications such as supplying breathing air or for fire-extinguishing systems, wherein they may be required to operate permanently under extreme conditions.

Where are Elgi Sauer Compressors used?

- Stationary fire-extinguishing systems
- Supplying breathing air

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, TORNADO, HURRICANE, 6000
- Volumetric Flow: 10 2000 m³/hr
- Pressure Range: 40 411 bar (g)
- Medium: Air, nitrogen, argon, Carbon dioxide



Elgi Sauer Compressor for Gas Compression

A great variety of sauer gas compressor have proven themselves in numerous feilds of application, in particular, for process engineering that requires high quality compressed gas. Sauer's good name was won as early as the 70's in delivering gas compressors to Linde.

Experience and know-how to make possible: alongside individually designed compressor packages. today we offer 3 and 4 stage gas compressor for upto 350 bar in an extensive, standardised and product range.

Where are Elgi Sauer Compressors used?

- Starting air
- Desulphurisation
- Feeding biomethane into the national and international network
- Recovering gas lost as a result of leakage
- Feeding natural gas and air into the relevant network

Which Elgi Sauer product ranges are used?

- Product Ranges: PASSAT, HURRICANE, 6000
- Volumetric Flow: 50 2000 m³/hr
- Pressure Range: 16 350 bar (g)
- Medium: Air, biomethane, natural gas





Specialist for missing pieces

Industry relies on Elgi Sauer piston compressors for pressure of upto 500 bar to control process and production using high pressure air and gas. Our starting and working air compressors have proved highly successful in a demanding market and are among most modern and efficient in the

We place great importance on comprehensive and proficient customer support.

We assist our customer from the initial project face through to after-sales service with specialist consultation for the complete solution while ensuring the best possible efficiency over the entire life cycle of the compressor.

By complimenting the supply of compressor with added value assistance and engineering services and assembly, sauer makes entire solutions possible, ranging from module to complete turnkey plants.

Elgi Sauer - dependable solution up to 500 bar

Strong Sales And Service Network in India



years of expertise in manufacturing air compressors

Service & Support



Elgi Sauer Compressors Ltd has well qualified and trained service teams. On-site support by qualified field technicians is available throughout the life cycle of the product. Elgi Sauer Compressors service teams provide post-warranty support to our customers 24X7 with on-site maintenance assistance and training on chargeable basis.

- Comprehensive AMC's are undertaken
- Tailored preventive maintenance training programs are organized on chargeable basis
- Genuine spares are promoted in the forms of preventive maintenance kits inline with routine maintenance schedules



ELGI SAUER COMPRESSORS LIMITED

Elgi Industrial Complex III, Singanallur, Coimbatore - 641005. India. Ph: +91-422-258955, 2589634, 2589510. Fax: +91-422-2573697, E-mail: info@elgisauer.com Web: www.elgisauer.com | Toll free customer care number (India): 1800-425-3544





