Sauer Compressors USA

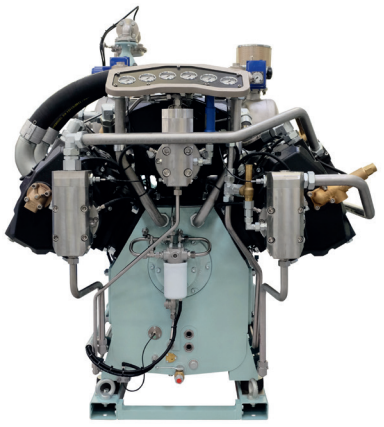
Specializing in engineering and manufacturing of high-pressure compressors

Established in 1998, Sauer Compressors USA stands as one of 13 subsidiaries of Sauer Compressors, a global group of companies, founded more than 130 years ago as a brass foundry in the North German city of Kiel.

Sauer Compressors started manufacturing compressors in 1930 and today focuses on the development, production, sale and service of medium and high-pressure compressors for a variety of applications, including commercial shipping, petro industry, and the defense sector.

The company's US division, Sauer Compressors USA, operates as the primary supplier of high and medium pressure air and gas compressors for the US Navy and the US Coast Guard. Obtaining the first US Navy contract for the Nimitz Class Aircraft Carriers (CVN) was a huge milestone for the company.

Another standout moment for Sauer USA was the establishment of its Mexico and Canada subsidiaries. Sauer Mexico was established as a subsidiary under Sauer USA in 2016 and Sauer Canada was later founded in 2020. The additions have and will continue to strengthen the company's North American markets, with a home office in each country.



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The roll-out and implementation of a lifetime warranty was another bold and exciting moment for Sauer USA. The lifetime warranty provides customers with peace of mind knowing that a purchased compressor will be protected, as long as proper scheduled maintenance is completed with genuine Sauer parts.

With a focus on the helium market, Sauer USA has partnered with numerous leading institutes and universities for helium compression and recovery. Helium has the lowest boiling point out of all gases, so the company has seen its compressors used in cryogenic research facilities.

All of the above wouldn't be possible without facilities that allow company growth. Sauer USA is headquartered in Stevensville, Maryland. The production area has a flow that begins with component inventory, receiving, and inspections. It then flows through to assembly, testing and packaging for the finished product.

With its team of dedicated engineers and production technicians, the fabrication island is where the company builds custom control panels, specific to each customer's need. Once a compressor package is completed, it then moves into the test bay for full functionality testing. With 1,800 amps of incoming power, Sauer is able to test multiple compressors with full voltage at the same time.

Sauer's test bay has the capability to test both air and water-cooled compressors. Each Sauer compressor is run tested for a minimum of 18 hours to ensure the highest quality and dependability before being delivered to its customers.

> "Each Sauer compressor package is run tested for a minimum of 18 hours to ensure the highest quality..."

Beyond the production and testing area, there is a storage bay. Sauer has hundreds of compressors in inventory, which helps reduce lead-times and give the company flexibility to ship out some of its compressors the same day.

Helium trends

For more than 50 years, Sauer Compressors has specialized in the development and production of gas-tight helium compressors. Sauer's helium compressors are specially designed for helium compression and represent an efficient and safe solution for a variety of applications.

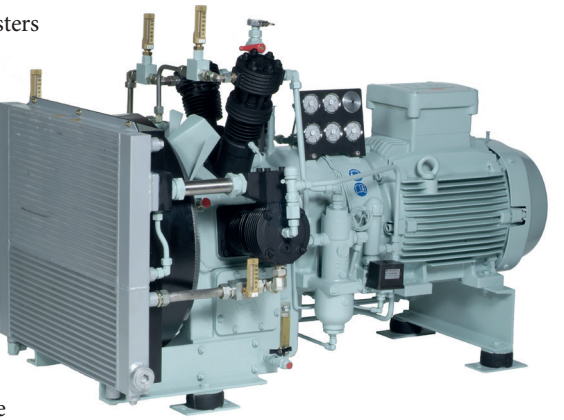
The company currently offers four series options for helium compression. The Passat series is well-suited for helium circuits and cooling, the Tornado Series is idyllic for small helium recovery systems, the Hurricane is a good fit for a variety of helium recovery systems and cylinder filling, while the 6000 Series is ideal for big helium recovery systems

and cylinder filling.

Sauer told **gas**world that it is experiencing an increasing number of customers who want to recover helium where possible, due to the rising costs. Sauer also said that the most popular application the company has noticed this year is recovering helium from bulk tube trailers, as customers want to get as much as they can from the trailers before sending them back.

In general, the company said that the desire to store helium at higher pressures to transport more gas in the same space is another huge requirement for customers. To meet this need, the company is currently working on its Orkan series, a new, high-pressure, air-cooled series which comprises oil-lubricated piston compressors and gas compressors up to 150HP for final pressures of up to 7250 psi.

The series offers gas boosters with inlet pressures up to 232 psi as well as hermetically gastight designs and magnetic coupling drive for various gases. Sauer told **gas**world that the Orkan series will fit well between its air-cooled Hurricane series and the water-cooled 6000 series, expanding its high-pressure compressor portfolio up to 7250 psi, covering 5 to 300HP.



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Once on the market, Sauer's Orkan high-pressure compressors will be available in various designs and will be suitable for the compression of a variety of gases, including helium, for a wide range of applications.

As far as product orders, the company said it hasn't experienced much of a drop in new sales since the coronavirus pandemic outbreak earlier this year. Sauer USA is currently on target to achieve all of its sales targets for the year, although it has seen some delays in shipments from its vendors. gw