

## Press Release

**The new HAUG.Sirius NanoLoc**

### **Sauer Compressors presents oil-free and gas-tight HAUG high-pressure compressor**

**The HAUG.Sirius NanoLoc is the first compressor to combine two of Sauer Compressors's core competencies: high-pressure know-how and oil-free expertise. The completely dry-running and hermetically gas-tight solution is designed for applications that require absolute process safety and purity. With final pressures of up to 450 barg, the compressor offers oil-free compression of virtually any gas.**

With the integration of the former HAUG Kompressoren AG, Sauer Compressors has significantly extended its portfolio to include solutions by the industry's leading expert in oil-free air and gas compression. The HAUG.Sirius NanoLoc marks the latest addition to the product range and is the first compressor that combines high pressure with oil-free compression.

#### **Oil-free for highest gas purity**

Both the crankcase and the compressor stages operate without any oil. This ensures highest gas and process purity. Therefore, the compressors are an ideal choice for sensitive applications such as industrial gases, medical applications and bio technology as well as the chemical, pharmaceutical and food industries.

#### **Final pressure of up to 450 barg**

With its hermetically gas-tight construction, the HAUG.Sirius NanoLoc achieves extremely low leakage rates of <0.001 mbar l/s and enables 4-stage compression of almost any gas. The compressor delivers a flow rate of max. 66 Nm<sup>3</sup>/h and a final pressure of up to 450 barg with an inlet pressure of up to 30 barg. Depending on the configuration, it comes with a motor power of 11-30 kW. In addition, the HAUG.Sirius NanoLoc is ideally suited for booster applications of gases such as helium, natural gas or hydrogen.

#### **Gas-tight magnetic coupling**

The well-proven magnetic coupling drive adds to the machine's exceptional gas-tightness both at standstill and during operation. The technology is a core feature of the HAUG.Sirius series. Due to the newly developed and unique NanoLoc® piston design's friction-free sealing, wear and friction losses in the cylinders have been reduced significantly. Likewise, all the compressor's components are designed for a particularly long service life.

#### **Low-maintenance, high reliability**

Even in operations with long standstills, frequent interruptions and cold starts, the HAUG.Sirius NanoLoc is highly dependable. The absence of oil serves to significantly lower operating and maintenance costs. Due to its unparalleled process purity, the compressor reduces the need for gas treatment and filtration after compression to a bare minimum. Often, treatment and filtration are not required at all, resulting in significant time and cost savings.

**Sauer Compressors** is a medium-sized German group of companies with twelve international subsidiaries. The company was founded more than 130 years ago, and has over 80 years' experience in compressed air technology. Today, it focusses on the development, production and sale of medium- and high-pressure compressors for applications in commercial shipping, industries, the petroleum industry and the defence sector. The four product lines SAUER, HAUG, Girodin und EK focus on specific fields of application. The SAUER line comprises oil-lubricated high-pressure compressors for a wide variety of applications, while HAUG stands for oil-free and hermetically gas-tight compressors. The Girodin and EK lines offer special compressors for the naval market. Sauer Compressors' modern reciprocating compressors for the compression of air and various gases reach pressures of 20 to 500 barg. Besides standard products, it offers customised solutions for individual customers, OEMs and companies that operate on a global stage. With a global network of agents and representatives, Sauer maintains close proximity to its customers. By supplementing the compressor range with high-quality accessories, engineering services, assembly and service concepts, Sauer offers system solutions right up to complete turnkey installations.

For more information, visit [www.sauercompressors.com](http://www.sauercompressors.com)

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