



# Sauer Compressors

HAUG



## Oil-free piston compressor

- 55–110 kW
- Suction pressure max. 11 bar(abs)
- Final pressure max. 101 bar(abs)
- Max. approx. 2'000 Nm<sup>3</sup>/h
- Gas-tight with magnetic coupling

**HAUG.Titan**



OIL FREE



ZERO LEAKAGE



HIGH EFFICIENCY

**Dependable up to 500 bar – anywhere, anytime, anygas.**

The HAUG Sauer Kompressoren AG based in St. Gallen, Switzerland, is within the Sauer Compressors Group the competence center for oil-free and gas-tight piston compressors. These are developed and manufactured in St. Gallen for worldwide use.



Find your contact for sales and services below  
[www.sauercompressors.com](http://www.sauercompressors.com)

For further information about our products and applications please visit our website [www.haug.ch](http://www.haug.ch)



We reserve the right to make technical changes at any time without prior notice.

## HAUG.Titan compressors – oil-free and gas-tight

### Power range 55– 110 kW

The HAUG.Titan type was presented to the public for the first time in 2015 at the industrial fairs in Hanover and Frankfurt. The HAUG.Titan is based on the proven compressor concept of HAUG.Sirius with a magnetic coupling. The compressor has a star arrangement with 4 cylinders. The features are like the proven design of HAUG.Sirius – completely oil-free and dry running.

The compressors with magnetic coupling are a HAUG Sauer development and compress any gas without leakage. This hermetically gas-tight and absolutely free from wear drive was used for the first time by HAUG piston compressor in 1989.

The modular HAUG.Titan compressor concept allows highly customized and cost-effective adaptation of the compressor configuration to customer requirements. This allows the development of technically, commercially and energetically optimised solutions.

#### Features

- Completely oil-free and dry-running piston compressor
- Permanently technically tight with with magnetic coupling
- Environmentally friendly because it is oil-free, gas-tight and efficient
- HAUG.Titan compressor leak rate < 0.001 mbar l/s
- Water-cooled
- Motor power from 55 to 110 kW
- Rotary speed range 450 to 750 1/min
- Suction pressure max. 14 bar(abs)
- Final discharge pressure max. 101 bar(abs)
- Modular cylinder configuration with cylinder diameter up to 260 mm
- Single and double acting cylinders
- 1-, 2-, 3- or 4-stages compression
- Flow rate at atmospheric intake pressure max. approx. 1'200 Nm<sup>3</sup>/h
- Booster version flow rate max. approx. 2'000 Nm<sup>3</sup>/h
- Explosion-proof compressor version (conform with ATEX zone 1 or zone 2)
- Very robust and long-lasting construction
- Compact and foundation-free installation

#### Applications

- Carbon dioxide recovery, and compression of supercritical carbon dioxide
- Nitrogen inert gas supply and emergency storage of nitrogen
- Recovery of Natural Gas (leakage gas)
- Booster compression of oxygen
- Booster compression of air (CDA = Clean Dry Air) for the process industry
- Recovery and compression of SF<sub>6</sub> gas
- Booster compression of natural gas and biomethane
- Compression of noble gases such as helium and argon
- Compression of refrigeration gas for example C<sub>3</sub>F<sub>8</sub>, R410 or ammonia
- Compression of synthesis gas, hydrogen and carbon dioxide in power-to-gas applications