



Sauer Compressors

SAUER

HAUG



HYDROGEN COMPRESSORS

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

Compressors from the HAUG product line stand out by their oil-free and hermetically gas-tight design.

HAUG hydrogen compressors are based on more than 30 years of experience. The first HAUG hydrogen compressor was already used in 1989 in a solar power demonstration project in Germany. As the compressors are completely dry-running and oil-free, there is no danger of oil-vapour contamination of hydrogen and the equipment downstream. Due to the unique combination of high-pressure cylinders with NanoLoc® design, the HAUG.Mercure NanoLoc and HAUG.Sirius NanoLoc series can reach final pressures up to 450 barg. The compressors are particularly compact and can be operated very efficiently thanks to a variable intake pressure.



- ✓ Oil-free and dry-running design
- ✓ Hermetically gas-tight
- ✓ NanoLoc® high-pressure stages
- ✓ Inlet pressures of up to 30 barg
- ✓ Suitable for final pressures up to 450 barg and max. volume flow rate of up to 100 m³/h
- ✓ Ex-proof versions acc. to ISO 80079-34:2020 and the European ATEX directive 2014/34/EU



HAUG.Mercure NanoLoc

- Hermetically gas-tight with encapsulated electric motor

Type	Gas Inlet Pressure barg	Gas Outlet Pressure barg	Flow Rate m³/h	Rated Power kW
HAUG.Mercure NanoLoc 22E 25-13 LM-L	24	350	7–13	4–5.5

Conversion of volume flow into kg/h: $1 \text{ m}^3/\text{h} (20^\circ\text{C}, 1,013 \text{ hPa}) = 0.083 \text{ kg}$



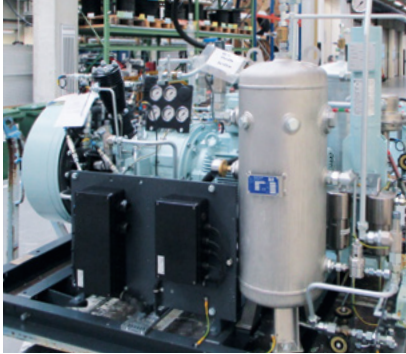
HAUG.Sirius NanoLoc

- Hermetically gas-tight with magnetic coupling

Type	Gas Inlet Pressure barg	Gas Outlet Pressure barg	Flow Rate m³/h	Rated Power kW
HAUG.Sirius NanoLoc 22G 25-13 LM-L	24	350	14–24	9–15
HAUG.Sirius NanoLoc 42G 25-13 LM-L	24	350	28–48	18–30
HAUG.Sirius NanoLoc 42G 35-16 LM-L	29	270	100	25

Conversion of volume flow into kg/h: $1 \text{ m}^3/\text{h} (20^\circ\text{C}, 1,013 \text{ hPa}) = 0.083 \text{ kg}$

The product line SAUER stands for oil-lubricated heavy-duty machines that are an efficient and economical solution for all kinds of industrial hydrogen applications.



- ✓ Special gas-tight design
- ✓ Proven in the most demanding conditions in industry and offshore applications
- ✓ Inlet pressures of up to 20 barg
- ✓ Suitable for final pressures up to 350 barg and a max. volume flow rate of up to 1,000 m³/h
- ✓ Ex-proof versions acc. to ISO 80079-34:2020 and the European ATEX directive 2014/34/EU



//// Hurricane

The 4-stage air-cooled high-pressure compressors of the Hurricane series are the top choice for demanding applications.

- 4-stage compression
- Direct drive
- High-efficiency air cooling

Type	Gas Inlet Pressure barg	Gas Outlet Pressure barg	Flow Rate m ³ /h	Rated Power kW
Hurricane WP4331 BasSeal ^{H2}	0.05	350	up to 26	15
Hurricane WP4341 BasSeal ^{H2}	0.05–0.2	350	up to 36	22
Hurricane WP4351 BasSeal ^{H2}	0.05–0.2	300	up to 76	38

Conversion of volume flow into kg/h: 1 m³/h (20°C, 1,013 hPa) = 0.083 kg



//// 6000 series

The water-cooled compressors of the SAUER 6000 series have a modular design with up to six cylinders, which allows many different variations. As the largest piston compressors of their kind, they allow maximum performance even in the most difficult conditions.

- Modular 4 or 6 cylinder design
- Up to 5-stage compression
- Hermetically gas-tight magnetic coupling drive
- Water-cooling system with individual cylinder/inter-stage cooling

Type	Gas Inlet Pressure barg	Gas Outlet Pressure barg	Flow Rate m ³ /h	Rated Power kW
6000 series BasSeal ^{H2}	0.05–20	350	up to 1,000	132–230

Conversion of volume flow into kg/h: 1 m³/h (20°C, 1,013 hPa) = 0.083 kg



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