HAUG Sauer Compressors

Oil-free piston compressor

- 2,0 – 7,5 kW
- Suction pressure max. 16 barg
- Final pressure max. 100 barg
- 50 – 100 Nm^3/h
- Gas-tight with magnetic coupling

HAUG.Neptune

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

HAUG

Sauer Compressors

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HAUG Sauer is a part of the world-wide Sauer Compressors Group
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HAUG.Neptune compressors – oil-free and gas-tight
Power range 2.0 – 7.5 kW

The HAUG.Neptune series is used for the compression of any gas. Through the use of magnetic coupling, individual customer specifications and explosion proof requirements can be met.

HAUG.Neptune compressors with magnetic coupling are a HAUG Sauer development that provides permanent gas-tight compression without leakage. This hermetically sealed and entirely wear-free drive was first employed in a piston compressor in 1989 and can be used for suction pressures up to 16 bar.

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

Features

- Completely oil-free piston compressor
- Gas-tight design with magnetic coupling
- Compressor block leak rate < 0.001 mbar 1/s
- Air-cooled
- Motor power from 2.0 to 7.5 kW
- Rotary speed range 970 to 1450 1/min
- Intake pressure max. 16 bar
- Final discharge pressure max. 100 bar
- Modular cylinder configuration with cylinder diameter up to 100 mm
- Version with 2 or 3 cylinders with 1-, 2- or 3-stages compression
- Maximum flow rate at atmospheric intake pressure approx. 50 m^3/h
- Booster-version flow rate max. approx. 100 m^3/h
- Explosion-proof compressor (conform with ATEX zone 1 or zone 2)
- Very robust and long-lasting construction
- Compact and foundation-free installation

Applications

Process compressors for any gas in various applications:

- Chemical industry
- Pharmaceutical industry
- Compression of medical gases
- Electronic industry
- Glass and steel industry
- Foodstuff industry
- Beverage industry
- Research & Development
- Gas recovery
- Gas production and gas storage
- Nitrogen inert gas supply

IQNet