



Sauer Compressors

SAUER

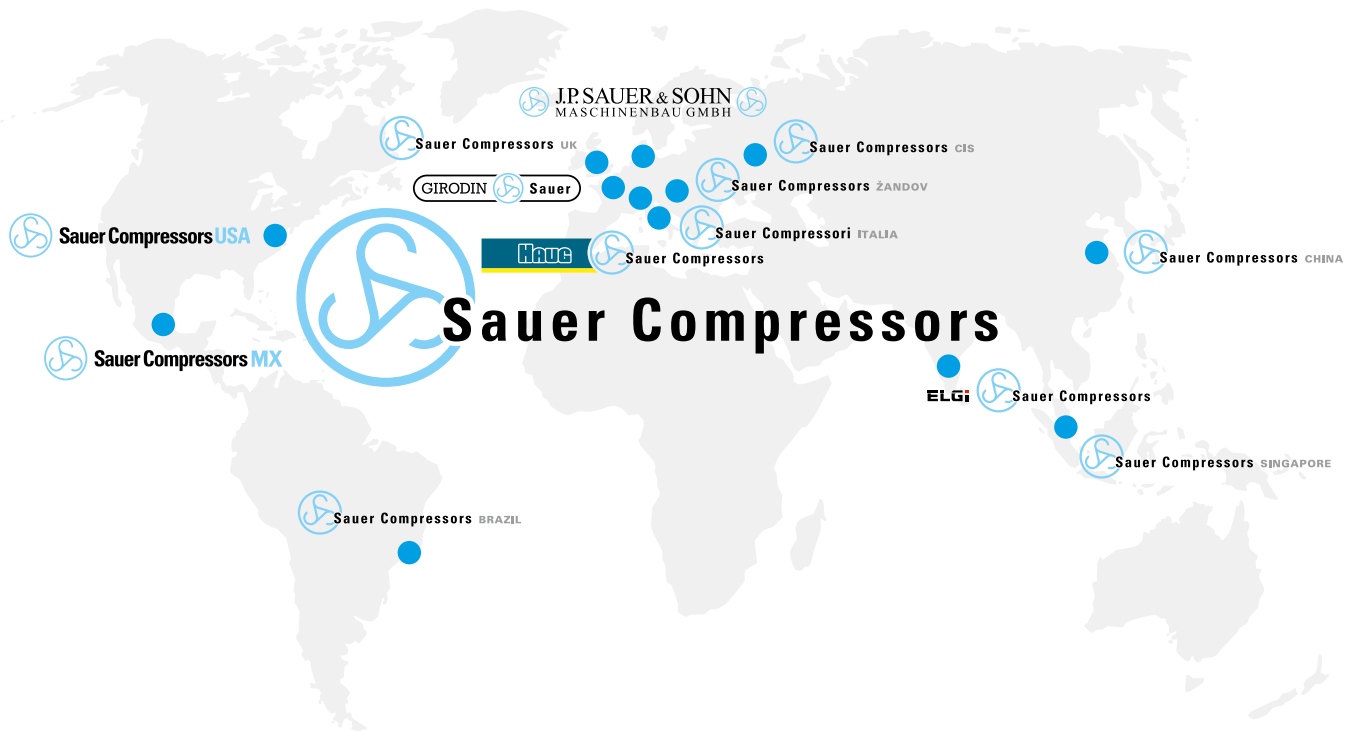
HAUG

PETRO INDUSTRY

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



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



For your local contact please visit our website
www.sauercompressors.com

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

Comprehensive industry expertise

With over 80 years of experience in compressed air technology, we know the challenges our customers are facing all over the world. As a global company we keep local requirements in mind: Our companies and partners around the globe know the particular demands in each area and provide exactly the right solutions and services to meet them. Our support knows neither business hours nor time zones – we are available whenever we are needed.

Sauer – High-pressure know-how made in Germany

Our headquarters J.P. Sauer & Sohn in Kiel, Germany, serves as the centre of excellence for our renowned SAUER-range of piston compressors. The oil-lubricated machines are available for pressures up to 500 barg and designed for continuous operation. The reciprocating models allow compression in up to five stages. A total of up to six cylinders are mounted in a star, V or W arrangement. The compressors are the ideal solution for operation at atmospheric suction pressure or to be used as gas-tight boosters with pre-pressures up to 25 barg.

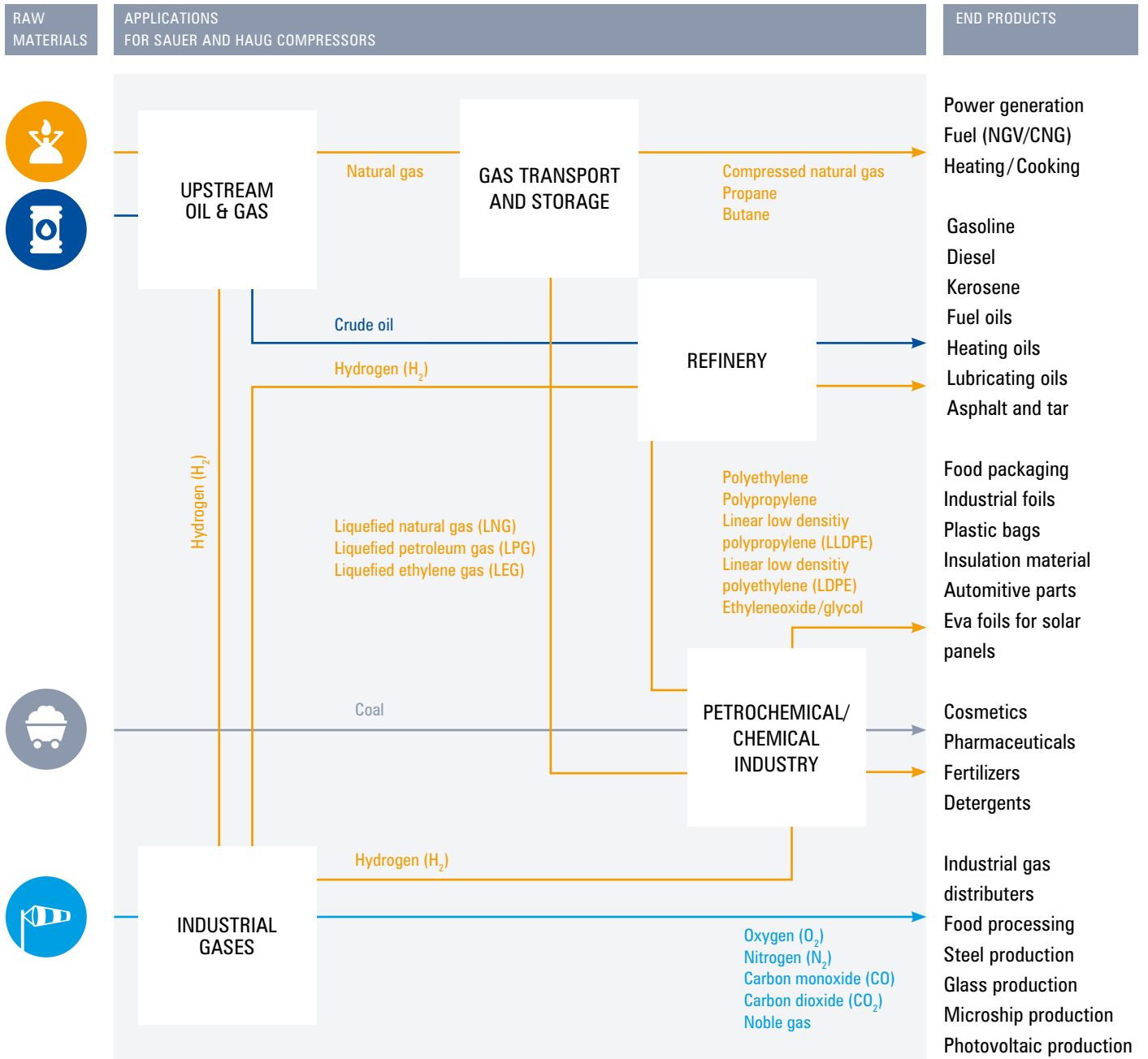
HAUG – world's leading brand for oil-free piston compressors

HAUG compressors are the first choice when it comes to demanding applications that require maximum process purity and safety. The dry-running machines are entirely oil-free to prevent contamination and to provide hermetic gas-tightness. The modular and customisable design helps to achieve pressures from 1 to 450 barg. High-tech innovations, such as a non-contact magnetic coupling (up to 110 kW) and the high-pressure piston design NanoLoc®, add to the compressors' outstanding performance.

Sauer Compressors for the Petro Industry



Petro Industry Applications



Oil & Gas Applications



Upstream

- Exploration and production in the oil & gas industry
- Includes everything from the search for potential reserves of oil and gas, exploration of promising sources to the final extraction of the resources.

- Seismic exploration
- Motion compensation for semi-submersible rigs
- Underwater hammering
- High pressure nitrogen boosting up to 500 barg



Midstream

- All means of transportation, storage, support systems and marketing of oil & gas products.

- Pipeline-related services
- High pressure nitrogen boosting up to 500 barg



Downstream

- Refining and processing of oil & gas products into usable products, such as petrol, diesel oil, jet fuel, fuel oils, liquefied petroleum gas (LPG), propane, natural gas, lubricants, plastics and pharmaceuticals.

- High pressure nitrogen boosting up to 500 barg
- Compressed natural gas (CNG) compression



Auxiliaries

- Applications aside from the usual oil & gas processes

- Cold start compressors
- Breathing air, fire and safety

Products – Performance Overview

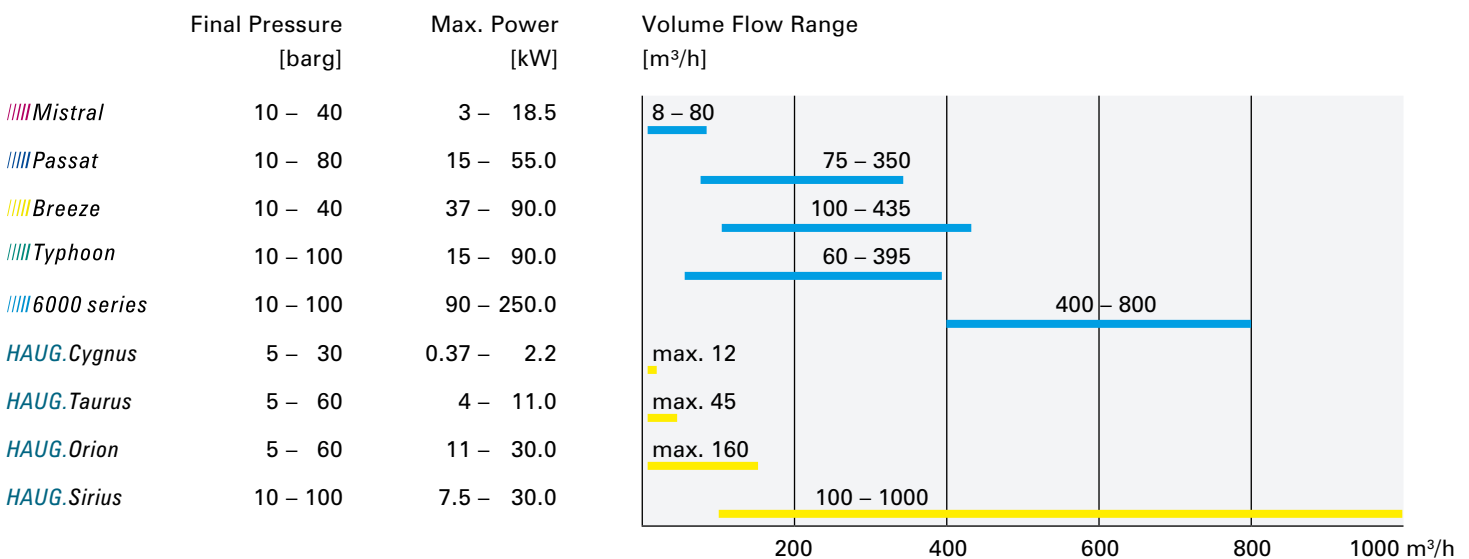
Our compressors are as diverse as our customers' requirements. We provide high-quality compressed air and gas solutions in various capacities and pressure ranges to meet the particular demands of a great number of industries and applications.

SAUER oil-lubricated
up to 500 barg

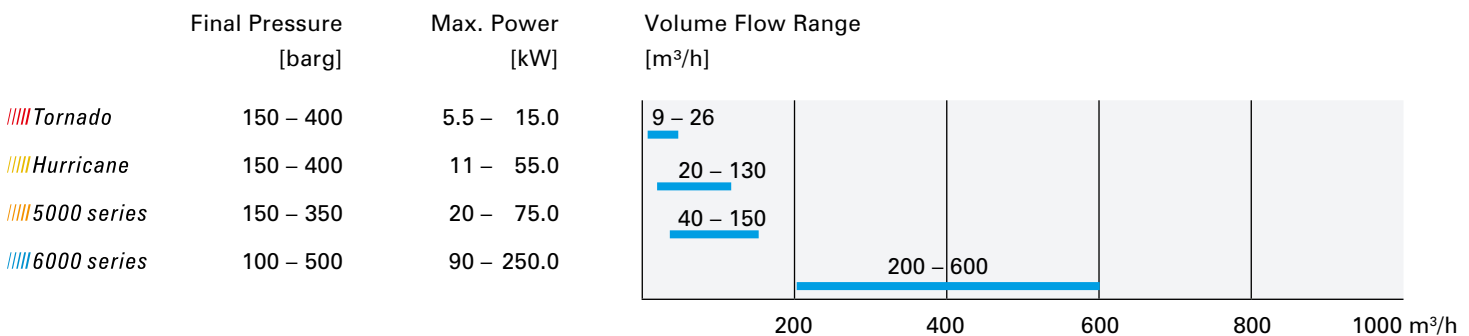
HAUG oil-free
up to 450 barg

Air Compressor Range

Low and Medium Pressure



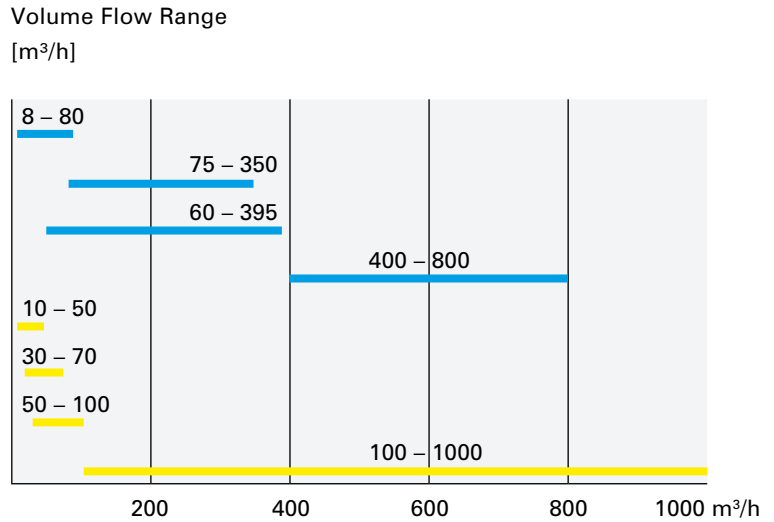
High and Highest Pressure



Air and Nitrogen Booster Range

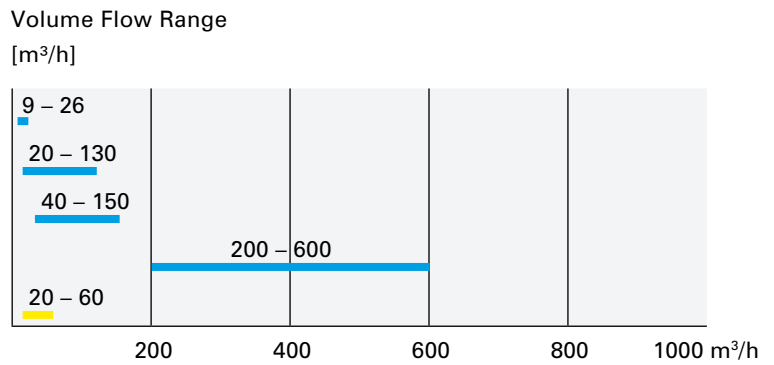
Low and Medium Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Mistral</i>	4 – 10	10 – 40	3 – 18.5
<i>Passat</i>	4 – 10	10 – 80	15 – 55.0
<i>Typhoon</i>	4 – 10	10 – 100	15 – 90.0
<i>6000 series</i>	4 – 16	10 – 100	90 – 250.0
<i>HAUG.Pluto</i>	max. 20	10 – 60	0.55 – 2.2
<i>HAUG.Mercure</i>	max. 15	10 – 100	3 – 4.0
<i>HAUG.Neptune</i>	max. 13	10 – 100	2.2 – 7.5
<i>HAUG.Sirius</i>	max. 30	10 – 100	7.5 – 30.0



High and Highest Pressure

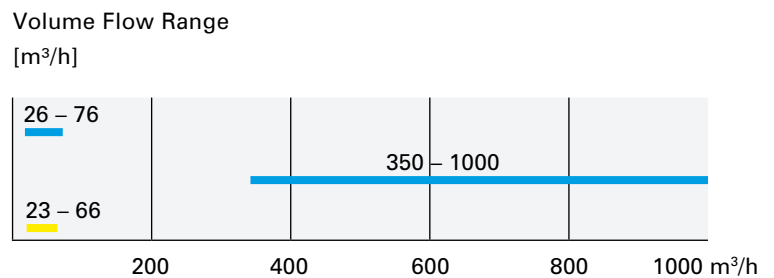
	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Tornado</i>	4 – 10	150 – 400	5.5 – 15.0
<i>Hurricane</i>	4 – 10	150 – 400	11 – 55.0
<i>5000 series</i>	4 – 10	150 – 350	20 – 75.0
<i>6000 series</i>	4 – 10	100 – 500	90 – 250.0
<i>HAUG.Sirius NanoLoc</i>	max. 30	100 – 450	11 – 30.0



Hydrogen Compressor Range

High and Highest Pressure

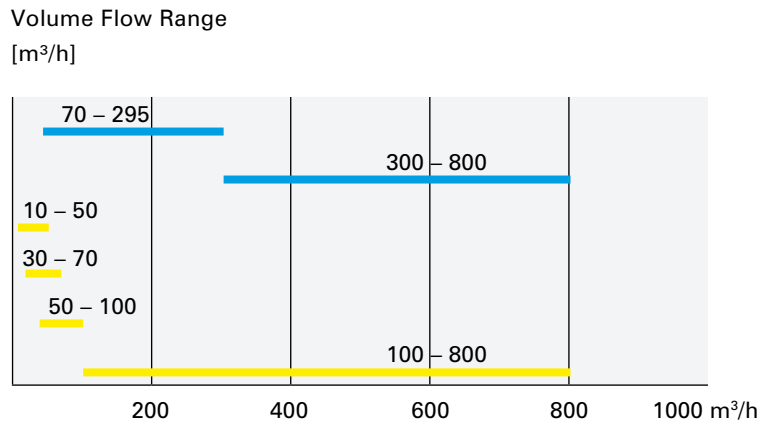
	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Hurricane</i>	0.05 – 0.2	150 – 350	15 – 38
<i>6000 series</i>	0.05 – 20	100 – 450	90 – 200
<i>HAUG.Sirius NanoLoc</i>	max. 30	100 – 450	13.3 – 18.9



Helium Compressor Range

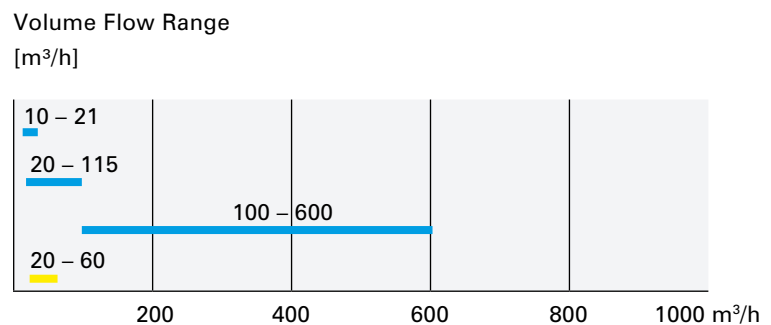
Low and Medium Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Passat</i>	0.05	10 – 40	15 – 55.0
<i>6000 series</i>	0.05 – 16	10 – 350	90 – 250.0
<i>HAUG.Pluto</i>	max. 20	10 – 50	0.55 – 2.2
<i>HAUG.Mercure</i>	max. 15	10 – 80	3 – 4.0
<i>HAUG.Neptune</i>	max. 13	10 – 100	2.2 – 7.5
<i>HAUG.Sirius</i>	max. 30	10 – 100	7.5 – 30.0



High and Highest Pressure

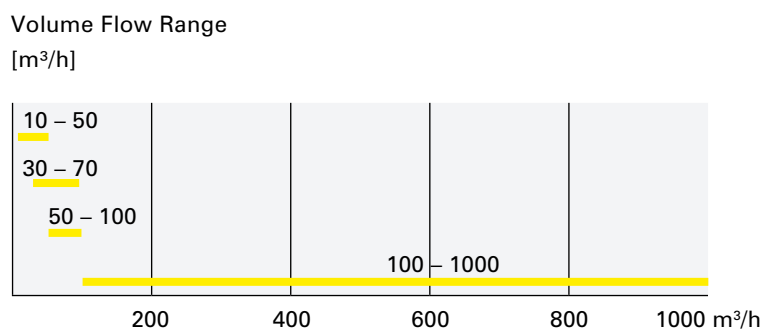
	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Tornado</i>	0.05	150 – 230	5.5 – 15.0
<i>Hurricane</i>	0.05	150 – 230	11 – 55.0
<i>6000 series</i>	0.05 – 16	100 – 350	90 – 250.0
<i>HAUG.Sirius NanoLoc</i>	max. 30	100 – 230	11 – 30.0



Oxygen Compressor Range

Low and Medium Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>HAUG.Pluto</i>	max. 20	10 – 30	0.55 – 2.2
<i>HAUG.Mercure</i>	max. 20	10 – 30	3 – 4.0
<i>HAUG.Neptune</i>	max. 13	10 – 30	2.2 – 7.5
<i>HAUG.Sirius</i>	max. 16	10 – 30	37 – 110.0

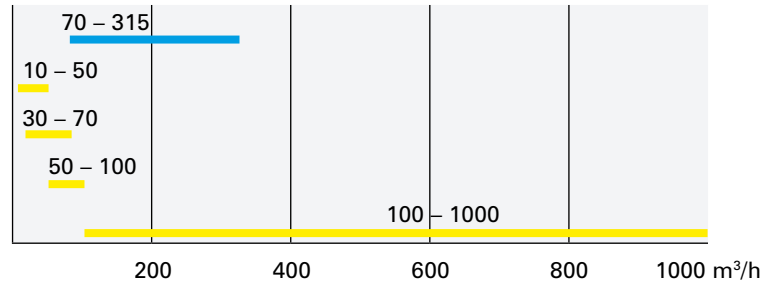


CNG Compressor Range

Low and Medium Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Passat</i>	0.05	10 – 40	15 – 55.0
<i>HAUG.Pluto</i>	max. 20	10 – 60	0.55 – 2.2
<i>HAUG.Mercure</i>	max. 15	10 – 100	3 – 4.0
<i>HAUG.Neptune</i>	max. 13	10 – 100	2.2 – 7.5
<i>HAUG.Sirius</i>	max. 30	10 – 100	7.5 – 30.0

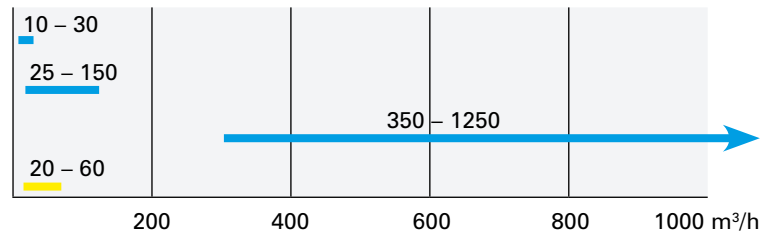
Volume Flow Range [m³/h]



High and Highest Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>Tornado</i>	0.05	150 – 350	5.5 – 15.0
<i>Hurricane</i>	0.05	150 – 350	11 – 55.0
<i>6000 series</i>	0.05 – 25	100 – 350	90 – 250.0
<i>HAUG.Sirius NanoLoc</i>	max. 30	100 – 350	7.5 – 30.0

Volume Flow Range [m³/h]

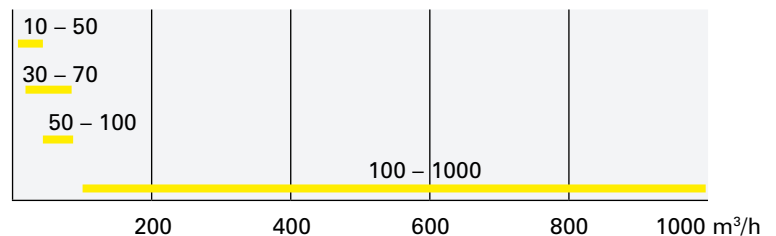


“Anygas” Compressor Range

Low and Medium Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>HAUG.Pluto</i>	max. 20	10 – 60	0.55 – 2.2
<i>HAUG.Mercure</i>	max. 15	10 – 100	3 – 4.0
<i>HAUG.Neptune</i>	max. 13	10 – 100	2.2 – 7.5
<i>HAUG.Sirius</i>	max. 30	10 – 100	7.5 – 30.0

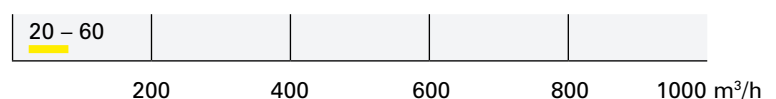
Volume Flow Range [m³/h]



High and Highest Pressure

	Inlet Pressure [barg]	Final Pressure [barg]	Max. Power [kW]
<i>HAUG.Sirius NanoLoc</i>	max. 30	100 – 450	7.5 – 30.0

Volume Flow Range [m³/h]



Seismic Exploration



Seismic air guns are used to find oil and gas underneath the seabed. Towed behind a vessel, air guns are mechanical devices with metal flaps that release high pressure air underwater. The air bubbles expand, generating seismic waves that reach the seabed. The reflections from these waves are received by a 'streamer' which then provides detailed information about the structure of the seabed and possible oil and gas fields.

What are Sauer Compressors used for?

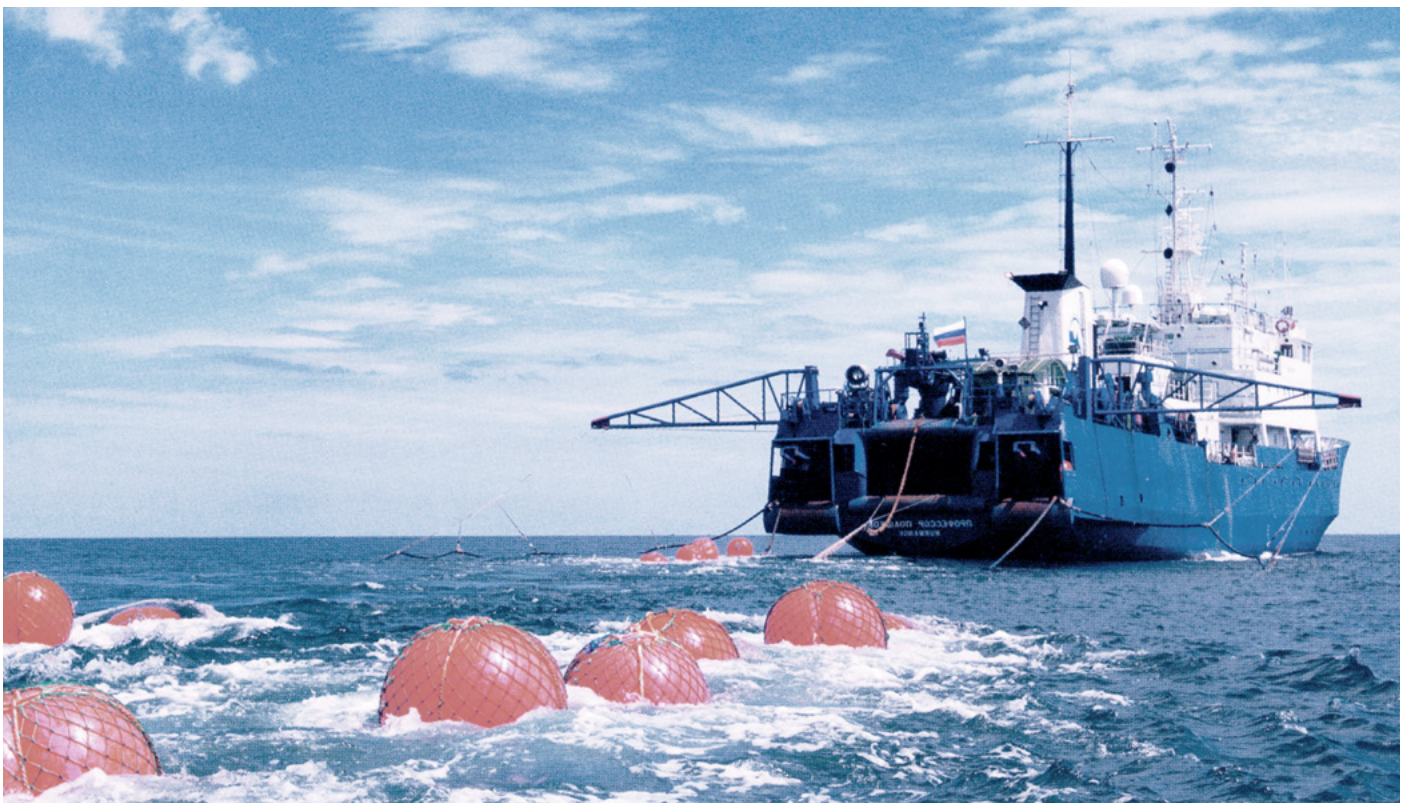
- Supplying high pressure air for the air gun

Who are Sauer Compressors' customers?

- Seismic operators
- Research industries
- Shipyards
- Packagers

Which Sauer product ranges are used?

- Product ranges: *||||| Hurricane, ||||| 5000 series, ||||| 6000 series*
- Variants: Basic
- Volumetric flow: 120–720 m³/h | 2–12 m³/min | 70–420 scfm
- Pressure range: 120–207 barg | 1700–3000 psig
- Medium: Air



Motion Compensation for Semi-submersible Rigs



Deep water drilling requires a rigid connection between the platform/drill-ship and the seabed. In order to keep on drilling in rough weather conditions, the movement of the derrick on the platform needs to be compensated. This compensation is done by wire-line or direct tensioning systems based on hydraulic systems and in order to keep the hydraulic pressure stable in the system, high pressure air or gas is used.

What are Sauer Compressors used for?

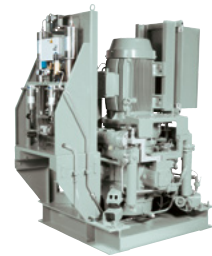
- Supplying an air or gas cushion on top of the hydraulic liquid

Who are Sauer Compressors' customers?

- OEM companies
- Drilling operators
- Shipyards
- Packagers

Which Sauer product ranges are used?

- Product ranges: *5000 series, 6000 series*
- Variants: Special Module
- Volumetric flow: 140 m³/h | 2.3 m³/min | 82 scfm
- Pressure range: 207–315 barg | 3000–4600 psig
- Media: Air or Nitrogen



5000 series

WP 5000

Offshore module incl. adsorption dryer



Compressed Natural Gas (CNG)



Compressed Natural Gas (CNG) has the potential to fuel millions of vehicles throughout the world, with significant economic, safety and environmental benefits. High pressure CNG boosters from Sauer are specially equipped for CNG compression. From single units for OEMs to customised solutions, Sauer CNG boosters represent a reliable, safe solution for CNG filling stations.

What are Sauer Compressors used for?

- Vehicle Filling Stations
- Pipeline Gas Injection
- Natural Gas Engine Testing

Who are Sauer Compressors' customers?

- OEM companies
- Packagers

Which Sauer product ranges are used?

- Product ranges: *Passat*, *Hurricane*, *HAUG.Mercure*, *HAUG.Neptune*, *HAUG.Sirius*
- Variants: BasSeal
- Volumetric flow: 120–360 m³/h | 2–6 m³/min | 70–210 scfm
- Pressure range: 40–350 barg | 580–5000 psig
- Medium: Natural Gas



Hurricane

HURRICANE WP 4351 BasSeal^{CNG-B}
140 m³/h @ 350 barg



Anywhere, anytime, anygas – anything else?

In addition to high-quality compressors, control systems, accessories and services, Sauer Compressors customers benefit from:

Engineering assistance

Through our local representations we can assist engineering teams locally and offer support with regard to integrating our products. In this way, we ensure our customers make the most of their installation.

Documentation – Integrated Logistics Support (ILS)

High-value products and solutions require high-quality documentation. This includes the whole range of Integrated Logistics Support (ILS).

Factory acceptance tests and third-party inspection

For Sauer Compressors, quality is not a promise – it's a fact! All our compressors are subjected to a 12-hour endurance test at final pressure and issued a high level 3.1 inspection certificate after the final inspection. Upon request, third-party inspections can be performed. For our helium compressors, we have devised an extensive 16-hour test procedure that is unprecedented in the industry. Both static and dynamic leak rates are tested with the noble gas itself. As a result, operators benefit from 'true' helium compressors providing unparalleled leak tightness.

Installation and commissioning

Even the best product's performance will suffer if the installation is faulty. Upon request, our expertly trained service technicians will set up the newly acquired Sauer product and integrate it into established systems at our customer's facility. Thanks to our local representations, this service is available anywhere in the world. After the initial setup, the installation is thoroughly tested and finally commissioned. To ensure maximum performance, low operating costs and a long service life, we offer in-house trainings for the operating staff.

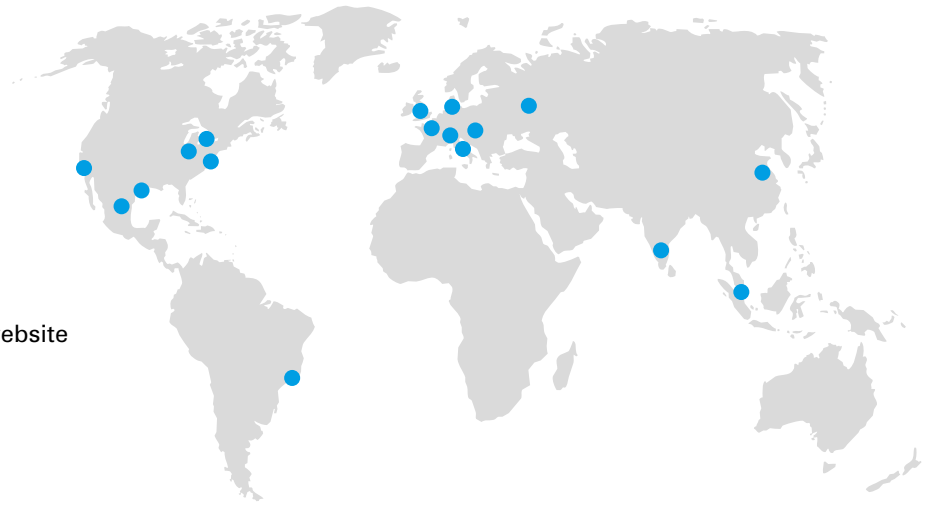
Certifications

ISO 9001:2015
BS OHSAS 18001:2007





Sauer Compressors



Find your local partner at our global website
www.sauercompressors.com

J. P. Sauer & Sohn Maschinenbau GmbH
Brauner Berg 15
24159 Kiel
Germany
www.sauercompressors.com

HAUG Sauer Kompressoren AG
Industriestrasse 6
9015 St. Gallen
Switzerland
www.haug.ch

Girodin-Sauer SAS
16 Chemin du Bas des Indes
95240 Corneilles en Parisis
France
www.girodin-sauer.com

Sauer Compressors UK Ltd.
Sauer House
Lanswood Park, Broomfield Road
Elmstead Market, Colchester
Essex CO7 7FD
United Kingdom
www.sauercompressors.com

Sauer Compressori S.r.l.u.
Via Santa Vecchia 79
23868 Valmadrera
Italy
www.sauercompressors.com

Sauer Compressors CIS
Bld. 2, office 304
Naryshkinskaya Lane 5
125167 Moscow
Russian Federation
www.sauercompressors.com

Sauer Compressors USA Inc.
245 Log Canoe Circle
Stevensville, MD 21666
USA
www.sauerusa.com

Sauer Compressors Mexico
Alianza Sur 303
66628 Apodaca, N.L.
Mexico
www.sauercompressors.mx

Sauer do Brasil LTDA
Rua Montevideu 327, Penha
Rio de Janeiro 21020 – 290
Brasil
www.sauerbrasil.com.br

ELGI Sauer Compressors Ltd
Elgi Industrial Complex-III
Trichy Rd, Singanallur
Coimbatore, Tamil Nadu 641005
India
www.elgisauer.com

Sauer Compressors China Ltd.
China Merchants Shanghai Center 4th Floor
68 BoHang Road
Shanghai 200120
China
www.sauercompressors.com

Sauer Compressors Singapore
421 Tagore Industrial Avenue
#01 – 15/16, Tagore 8
787805
Singapore
www.sauercompressors.com