OFFSHORE SOLUTIONS
From the High Pressure Experts
MISSION STATEMENT
To be the global leader by supplying the best quality product while continuously improving through innovation.

Innovation through quality
Contents

COMPRESSION / 01
04 Most advanced compressor

OIL AND GAS / 02
06 Rig Tensioning
08 Geophysical
10 Nitrogen generation
12 Breathing air

ACCESSORIES / 03
14 System enhancements

COMPANY / 04
16 Commitment to quality

BAUER GROUP / 05
18 Worldwide
Most advanced compressor

COMPRESSORS AND BOOSTERS

- Booster 15.x
- 22.x
- 23.x
BAUER ADVANTAGES...

Wide range of capacity and pressure in both compressor and booster configurations allows tailoring a solution to meet specific requirements.

Proven air-cooled design is economical, reliable and environmentally friendly.

Large surface area and fine ribbing on cylinders provides efficient heat dissipation for lower operating temperatures.

Aftercooler provides low discharge temperature. Supplemental cooling at the outlet is not required.

Pressurized lubrication ensures reliable lubrication of all internal components for extended compressor life. Oil filter protects the lubrication system.

Roller or needle bearing used at each bearing surface for reduced friction and optimum mechanical efficiency. Compressor runs cooler, oil life is extended and maintenance is reduced.

Heavy-duty roller bearings to support the crankshaft. 30,000 hours design life.

Aluminum alloy crankcase used through 30 hp enables compact dimensions because of rapid heat dissipation. Cast iron crankcase used on 40 hp and greater to support greater forces. High capacity cooling fan(s) provide efficient cooling.

Encapsulated crankcase to protect the environment from oil laden mist.

High efficiency intake filter to protect the compressor from damaging particles.

Safety valve after each stage of compression to protect the compressor from overpressure and to safeguard the operator. Gas compressors and boosters also include a safety valve at the inlet.

Balanced flywheel and counterbalanced crankshaft results in nearly vibration-free operation. BAUER compressors and boosters do not require special foundations which reduces installation cost.

Readily accessible valves do not require disassembly of compressor piping for easy accessibility and reduced maintenance cost and downtime.

Corrosion resistant materials used for coolers, separators and valves for longer life and reduced maintenance.

Genuine spare parts at affordable prices.

Operation and maintenance manual with illustrated parts lists.

...FOR YOUR BENEFIT
MOTION COMPENSATION

Stability is crucial for safe production environments in all subsea drilling operations, particularly those with tension-leg platforms (TLP) and undersea wellhead risers. The physical conditions at and beneath the surface are in a constant state of change; without consistent tensioning to compensate for unpredictable motions at all levels, the entire process could be subjected to extreme forces that could cause irreparable damage to both equipment and the surrounding environment.

BAUER understands that the constant presence of high pressure air is extremely critical for these applications. That’s why we’ve worked for many years to develop the very best high pressure air compressors in the world for rig tensioning and motion compensation. Our new array of compressor and booster systems is designed with offshore applications in mind, safely delivering more air at higher pressures than ever before.

Wherever you need air, BAUER COMPRESSORS is there.

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>FAD 1)</th>
<th>Number of stages</th>
<th>Motor</th>
<th>Drive</th>
<th>Recommended purification system</th>
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<td>75 - 100</td>
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1) Compressor capacity (FAD) is referenced to standard inlet conditions and 80% of the compressor’s maximum working pressure. Tolerance +/- 5%.
2) 3-phase motors only, 60 Hz standard. 50 Hz available on request.

E3 = 230 - 460 / 3 / 60 Other voltages and frequencies available upon request.

Engine driven models available.
REFLECTION SEISMOLOGY ("SEISMIC")

In seismic operations, consistency is the key to success – irregularities in air flow or pressures can create inconsistent operations and, as a result, inconsistent data collection. Moreover, inconsistent air quality can reduce the overall performance of your air guns and increase your recurring maintenance costs. Given the ever-rising costs of upstream operations, you need the assurance that your seismic gear can perform consistently and accurately, time and time again.

BAUER understands that stability and optimal performance are extremely critical for these applications. That’s why we’ve worked for many years to develop the very best high pressure air compressors in the world for your seismic applications. Our new array of compressor and booster systems is designed with offshore applications in mind, safely delivering more air at higher pressures than ever before.

Wherever you need air, BAUER COMPRESSORS is there.

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Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet pressure</th>
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1) Measured according ISO1217
2) Minimum / recommended motor size
3) Power consumption at maximum final pressure
Nitrogen generation

PRODUCTS

» SNGII (to 6000 psi)

» SNGII-LP (to 150 psi)

» NGM
WHY BUY NITROGEN WHEN YOU CAN MAKE YOUR OWN?

Nitrogen is a versatile and crucial component of any offshore installation. When it isn’t available at the pressures, capacities, and purities you need, it can create unsafe environments and even bring your drilling operations to a standstill. Even when it is available, poor quality gas can result in unplanned maintenance issues and unnecessary downtime. Given the ever-rising costs and increased safety requirements for offshore operations, you need the assurance that your nitrogen systems can perform consistently and accurately, time and time again.

BAUER understands that reliability and optimal performance are extremely critical for these applications. That’s why we’ve worked for many years to develop the very best high pressure nitrogen boosters and generation systems in the world for your nitrogen needs. Our systems are designed with offshore applications in mind, safely delivering consistent purity at higher capacities than ever before.

When you need nitrogen, BAUER COMPRESSORS is there.

Technical Data

<table>
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<tr>
<th>Model</th>
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<th>Product flow at 99.0% purity l/min</th>
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1) Capacity (FGD) is referenced to standard conditions. Tolerance +/- 5%. Dimensions and weight are approximate and are dependent upon model and drive.
Breathing air
OFFSHORE
Harsh offshore environment eating up your compressors? Shore based training facilities unable to keep up with customer demands? Unable to find a factory trained technician or parts? Look to the solution providers at BAUER, we will solve your problems. BAUER offers a full line of high pressure breathing air compressors uniquely packaged to suit the rigors of an offshore installation. Our craftsmen also assemble units that are tasked with supporting land based fire departments or training facilities. If you do not see exactly what you need, look to BAUER to fulfill your custom packaging requirements.

BAUER is the only high pressure breathing air compressor manufacturer today that can provide global assistance through our BAUER sister companies; Factory training and stock parts assure you and your customer a quicker response than brands of lesser quality and price.

Technical Data

<table>
<thead>
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<th>Model</th>
<th>Charging rate</th>
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1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.
2) Compressor capacity referenced to standard inlet conditions.
D = Diesel engine driven   E3 = Three Phase Electric, 230/460 VAC/60 Hz.
Other voltages available on request.
Dimensions and weight are approximate and are subject to change.
System enhancements

- Air or gas storage cascade controls
- SCBA containment fill stations
- Air or gas storage systems
AUTO CASCADE CONTROLLER
The BAUER Automatic Cascade Controller can be utilized to automatically cascade any air or gas storage system. Our patent pending anodized aluminum manifold block, with integral valve bodies, coupled to a PLC controller gives you a highly reliable cascade controller that is easy to install onto any system, including back fit.

SELF CONTAINED BREATHING APPARATUS (SCBA) CONTAINMENT FILL STATIONS
BAUER offers only independently tested containment fill stations which were found to protect the operator from overpressure and fragmentation per NFPA 1901. Formed plate steel and fewer weldments help maintain structural integrity while at the same time reducing size and weight. Our ergonomic “Easy Load” door design allows the operator to open and close the door with less than 18 lbs. of force without hyper-extended hand and wrist movements. Our exclusive hands free interlock system eliminates system operation without the fill station door being closed and latched.

AIR OR GAS STORAGE
BAUER high pressure air or gas storage systems meet the code requirements of either the United States Department of Transportation (DOT) - (UN) or the American Society of Mechanical Engineers (ASME). All are available for pressures up to and including 6000 psig applications. Optional mounting racks are available to tailor the system to fit your specific requirements.

AIR PURIFICATION AND FILTRATION
BAUER high pressure air purification systems purify air to many world recognized standards including Compressed Gas Association Pamphlet G-7, Compressed Air for Human Respiration, ANSI-CGA G-7.1 Commodity Specification for Air Grade E. Our industrial filtration systems utilize the same high pressure technology found in breathing air applications, however they are adapted to non-breathing air requirements; from drying to finite particulate removal, look to BAUER to satisfy your filtration needs.

SECURUS
SECURUS II maximizes the process life of the BAUER air processing cartridges because the sensor is embedded directly in the molecular sieve. Our technology takes the guess-work out of the processed air monitoring system. Coupled to our unique PLC platform, SECURUS II safely assures the maximum achievable cartridge life while taking any guesswork out of the equation.

REPLACEMENT PARTS
Worldwide BAUER has more parts in stock than any other high pressure air or gas compressor system manufacturer. Parts are still available for BAUER units that are decade’s old and same day shipment for most items is still our philosophy. Remember, BAUER compressors are designed for maximum efficiency and long life, utilizing genuine OEM parts helps assures your BAUER compressor will provide years of trouble free service.
Commitment to quality
DEDICATION TO YOU

BAUER is committed to the philosophy that customer satisfaction is achieved through a strategy of continuous improvement using in-house research and development, engineering, manufacturing and support services. Our ISO 9001 registered quality management system is testament to our commitment to quality and customer satisfaction.

CUSTOMER SATISFACTION

BAUER begins with expert system evaluation and continues with the design, installation, training and support services to ensure the highest quality and optimum performance of the product.

EXPERIENCE FOR YOUR BENEFIT

BAUER compressors are field-proven in a multitude of diverse high pressure applications worldwide. More than 60 years of experience, research and development are available to you to help solve your high pressure requirement. We are world renowned for reliability and durability, and BAUER as a company is recognized as the world’s foremost innovative designer and manufacturer of high pressure compressors.

BAUER is especially capable of working with clients on a worldwide basis because of our vast network of sales and service centers around the globe. BAUER’S U.S. operations include a 115,000 sq ft manufacturing facility in Norfolk, VA and branch offices in Michigan, California and Florida.

BAUER Block Manufacturing Geretsried, Germany

ROBOTIC WELDING

TESTING

CLASSROOM TRAINING