BAUER KOMPRESSOREN

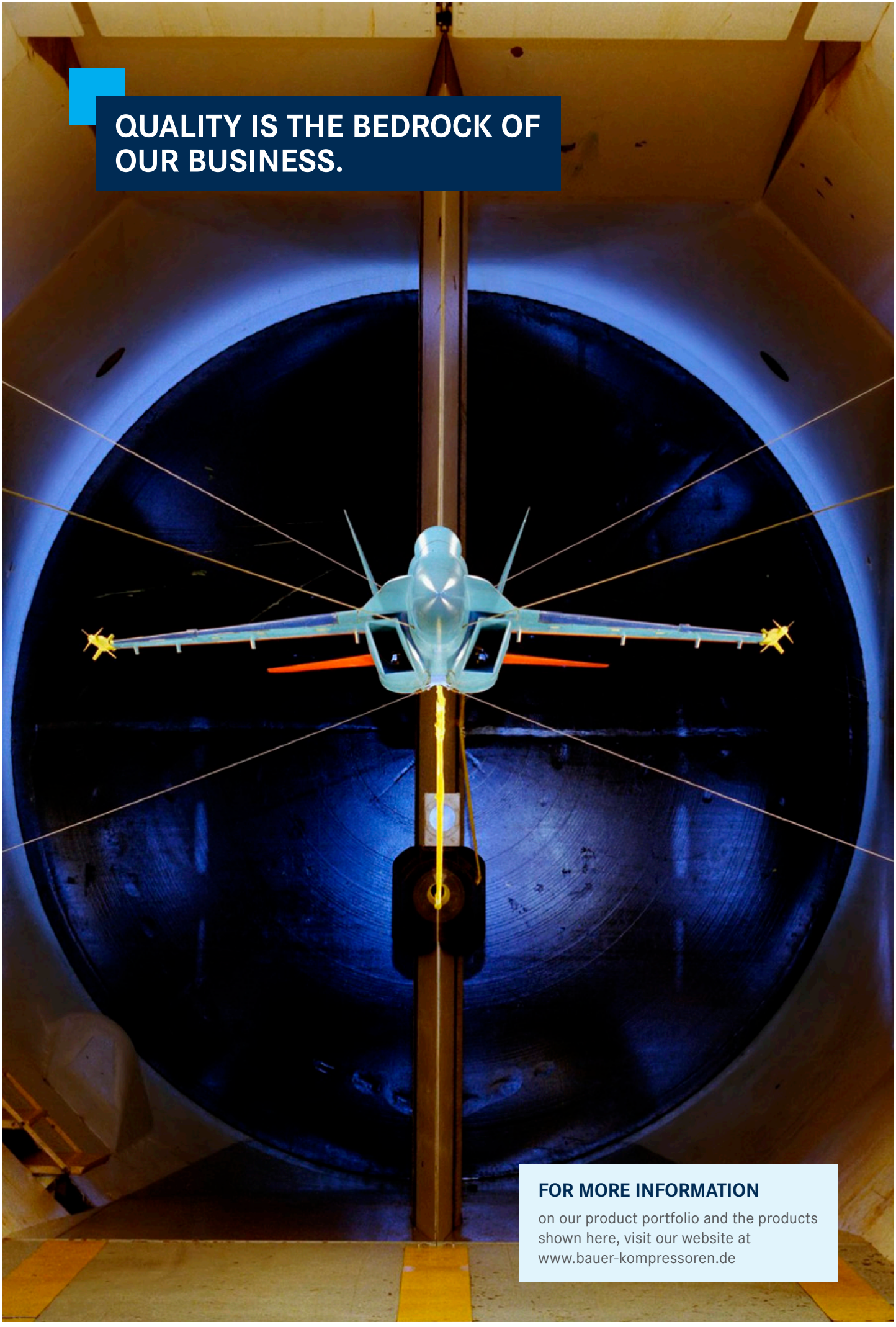
Quality. Our DNA

COMPRESSORS FOR INDUSTRY

TAILORED TO YOUR REQUIREMENTS

INDUSTRY

75 1946 – 2021 BAUER KOMPRESSOREN



QUALITY IS THE BEDROCK OF OUR BUSINESS.

FOR MORE INFORMATION

on our product portfolio and the products shown here, visit our website at www.bauer-kompressoren.de

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OUR COMPANY

BAUER – PASSIONATE ABOUT PERFECT SOLUTIONS.

The name BAUER stands for a long tradition of mechanical engineering excellence. Johann Bauer, a blacksmith, founded an agricultural machinery factory in the Bavarian town of Arnsdorf in 1888. His son Hans then launched a German post-war success story in 1946, starting with low-pressure compressors, before rapidly recognising the potential in the new field of high-pressure compression technology. Powered by this expertise, in the 1960s BAUER KOMPRESSOREN rose to become the leading global producer of breathing air compressors for diving and firefighting.

Then as now, our passion for the perfect solution – in terms of both technology and cost-effectiveness – and our rigorous quality standards formed the cornerstone of our company's success and laid the foundations for our global expansion. Today BAUER KOMPRESSOREN operates a worldwide network of companies and is represented by subsidiaries in many high-growth markets where German quality is particularly highly esteemed.

BAUER KOMPRESSOREN supplies the industrial sector with a full scope of medium- and high-pressure compressors and boosters for air and gas compression. Because our systems are designed to a modular concept, our customers receive tailored solutions with a comprehensive choice of pressure ranges, outputs and compressed gases – perfectly matched to your individual customer requirements.

BAUER KOMPRESSOREN Plant I – Geretsried, Germany

OUR APPLICATIONS

TRUST IN BAUER QUALITY.
FROM THE DESERT TO THE ARCTIC.

As one of the leading manufacturers of high-pressure compressor systems for industrial applications, we develop solutions tailored to your individual needs. From the arctic to the desert and even on the high seas, BAUER compressor systems deliver reliable performance under even the most challenging conditions, in even the harshest environments.

- **Automotive industry and component supplier**
- **Oil and Gas industry**
- **Gas logistics**
- **Production**
- **Energy sector**
- **Shipping**
- **Chemical industry**
- **Petrochemical industry**
- **Mining**
- **Research facilities**
- **Food industry**
- **Aerospace industry**

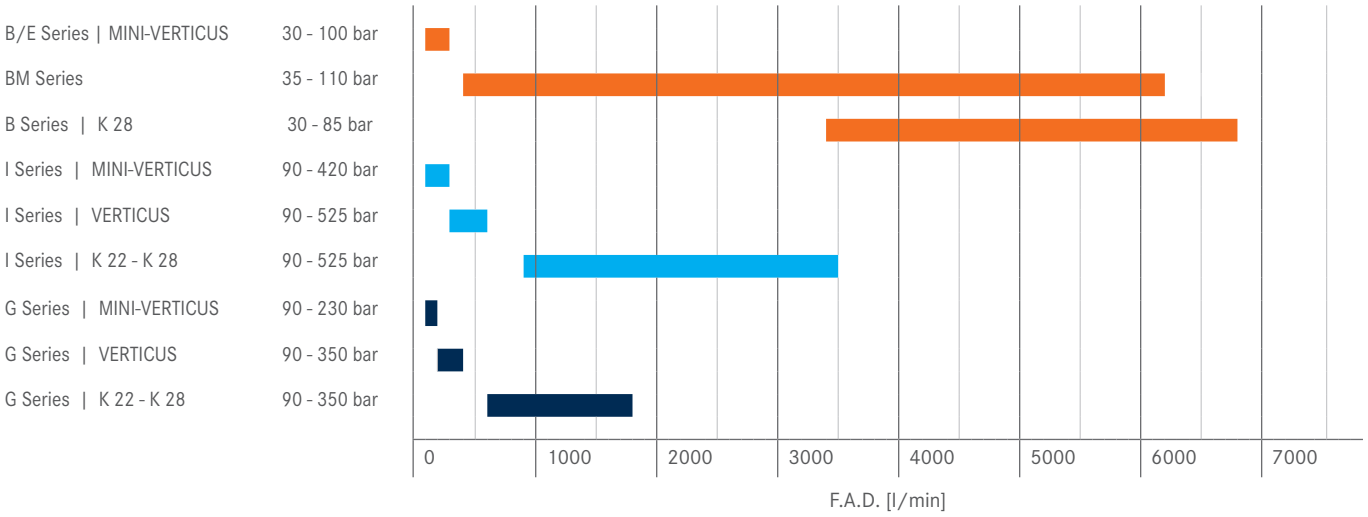
PERFORMANCE OVERVIEW

EXCELLENT COMPRESSOR SOLUTIONS FOR YOUR REQUIREMENTS

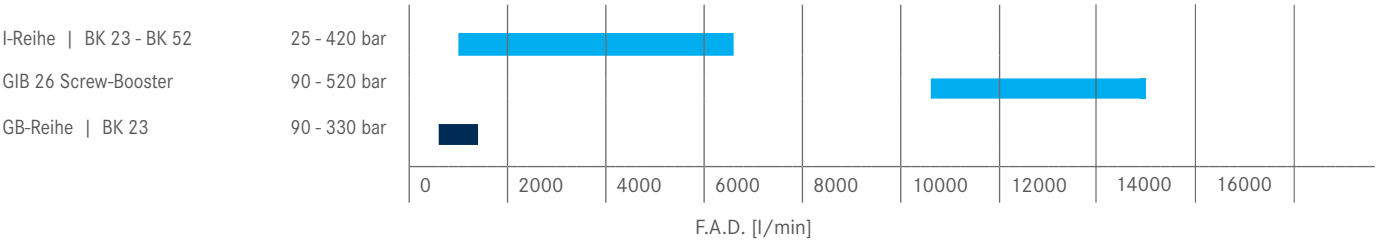
BAUER KOMPRESSOREN produces medium- and high-pressure compressors for air or gas compression, featuring state-of-the-art technology and outstanding quality. We have built extensive expertise in development, production and application through decades of experience, and apply this knowledge to design solutions that are tailored precisely to your company's needs.

Based on free air delivery and pressure, we build two- to five-stage compressors for both air compression and gas compression for noble gases (argon, helium), inert gas (nitrogen) and natural gas/CNG (methane).

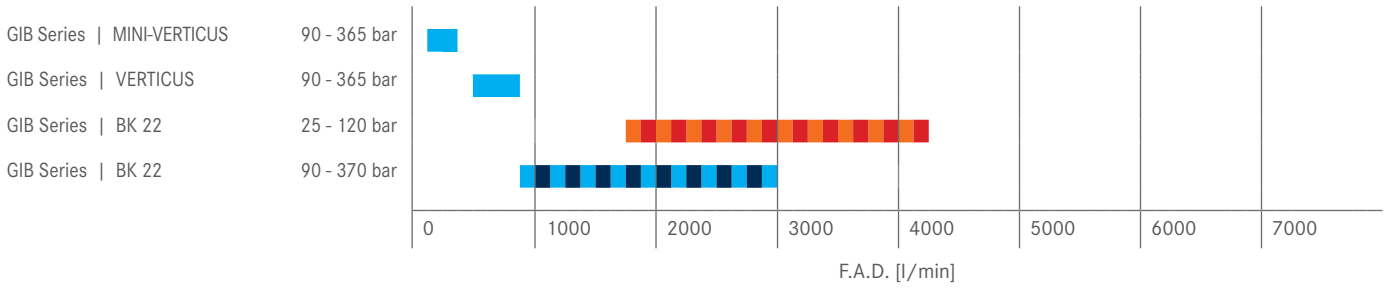
COMPRESSORS AIR COOLED | 30 - 525 BAR



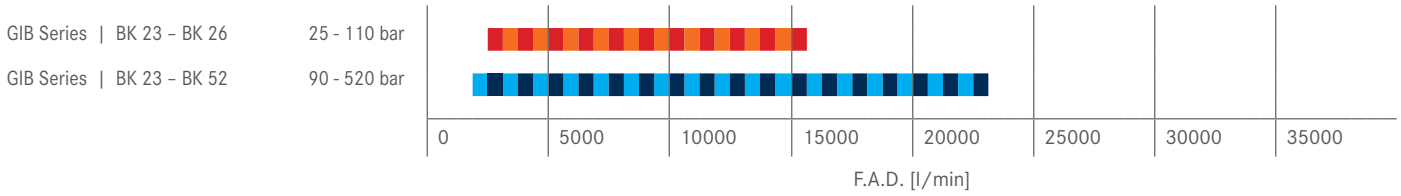
COMPRESSORS WATER COOLED | 25 - 520 BAR



BOOSTER AIR COOLED | 25 - 420 BAR



BOOSTER WATER COOLED | 25 - 520 BAR



KEY TO COLOURS

- Medium pressure Air & N_2
- High pressure Air & N_2
- Medium pressure Helium
- High pressure Helium

KEY TO SYMBOLS

- AIR — Suitable for compression of air
- N_2 — Suitable for compression of nitrogen
- HE — Suitable for compression of helium
- AR — Suitable for compression of argon
- HELIOX — Suitable for compression of heliox
- Forming Gas 95/5 — Suitable for compression of forming gas

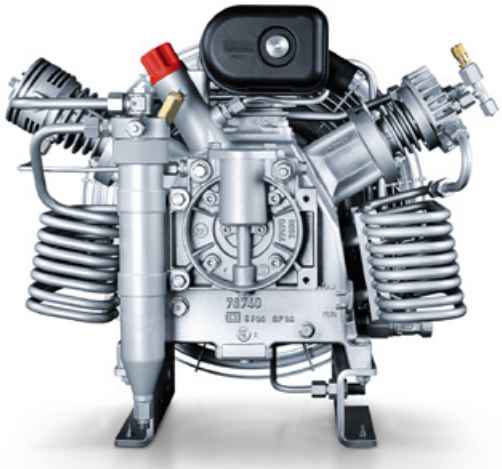
HIGHLIGHT FEATURES

COMPRESSOR BLOCK

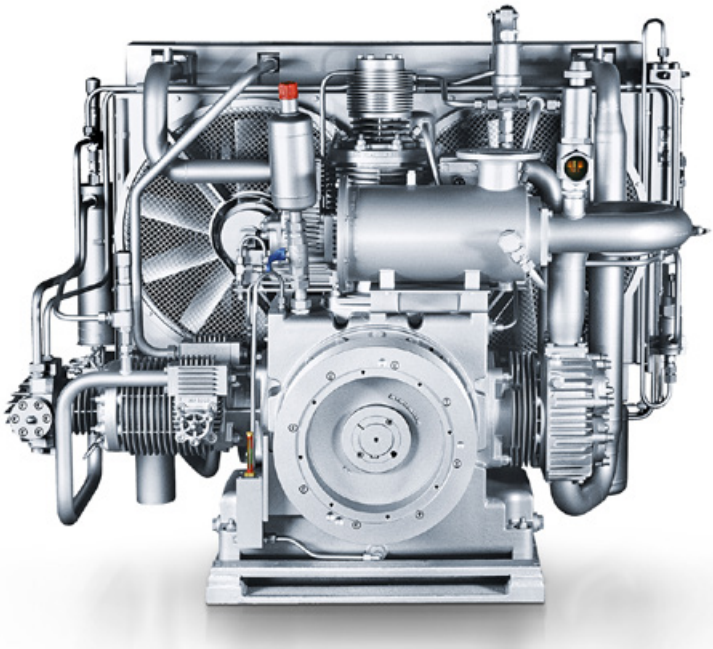
Each and every one of our compressor blocks contains decades of experience and the expertise of our Testing and Development Centre. BAUER compressor blocks have built a legendary reputation on their reliability and long service life. They are the result of advanced design, intelligent in-depth solutions, the use of exceptionally high-quality materials and outstanding production quality.

COMPRESSOR BLOCKS FOR MINI-VERTICUS, VERTICUS AND K 22 – K 28 SERIES

- An intelligent air-cooling system with generously dimensioned coolers combined with cylinders with heavy ribbing can be relied upon for best possible cooling of each individual compressor stage.
- Ultra-rugged industrial roller bearings are designed for continuous operation under challenging operating conditions.
- Powerful pressure lubrication and oil microfilter for minimum wear of moving parts.
- Long maintenance intervals for valves and piston rings and for oil changes keep the running costs of the unit low.
- All drive units are dynamically balanced for quiet and vibration-free running.



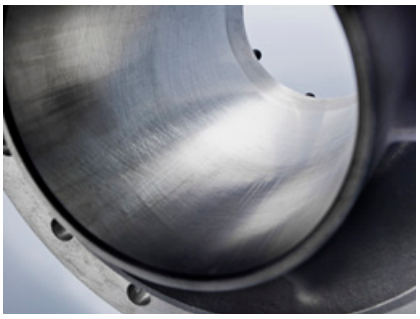
Compressor block K 120

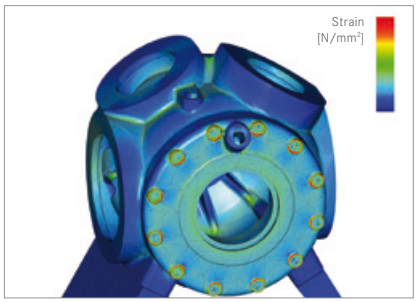


Compressor block K 28

COMPRESSOR BLOCKS FOR BK 23 – BK 52 SERIES

- The BK 23 – BK 52 compressor block series features a pressurised crankcase and dynamically balanced motion work to counteract the internal mass and gas forces.
- Optimised flow rates and valve arrangements ensure excellent filling times and minimum clearance requirements for the system plus low power consumption.
- Combined with proven plasma-nitrided cylinders and honed cylinder surfaces, piston rings featuring a special chrome-plated finish ensure low friction, optimum lubrication and long service life.
- The oil sump is flange-mounted underneath the crankcase to reduce oil consumption and allow for installation angles of up to 30° in all directions.
- The use of single-acting plungers reduces blowby losses and increases efficiency.
- Operating vibration is low, eliminating the need for a foundation block for the system.





Top left: Piston
Centre left: Honed cylinder interior
Bottom left: FEM calculation for crankcase
Right: BK 26 compressor block

COMPRESSOR CONTROL & IOT

Control equipment that is perfectly matched to the system and accurate monitoring of functions are essential for cost-effective and reliable operation. All requirements – from the smallest compressor unit to a complex natural gas filling station – can be met in full by the electronic control units in the B-CONTROL series.

B-CONTROL MICRO

The B-CONTROL MICRO is a modern, easy-to-use compressor control unit with colour display for intelligent control and reliable monitoring of all basic functions. Interaction between operator and control unit is user-friendly and logical. A choice of languages is available. The pioneering, convenient display and navigation concept is practically identical for both the B-CONTROL MICRO and the B-CONTROL II. As an additional benefit, interfacing with external input/output signal encoders is possible at any time, as is interconnected operation or the connection of an external display unit or B-DETECTION PLUS gas monitoring system.

- 3.5“ TFT colour display with plain text
- Fully automatic monitoring of relevant parameters, compressor shutdown if values are outside the permissible range
- Oil pressure monitoring to protect against incorrect direction of rotation, for example
- Ethernet connection for communication with the B-APP and B-CLOUD

POWERFUL ELECTRONIC CONTROL UNITS ARE DESIGNED FOR COMPLEX APPLICATIONS IN INDUSTRIAL ENVIRONMENTS.

B CLOUD READY

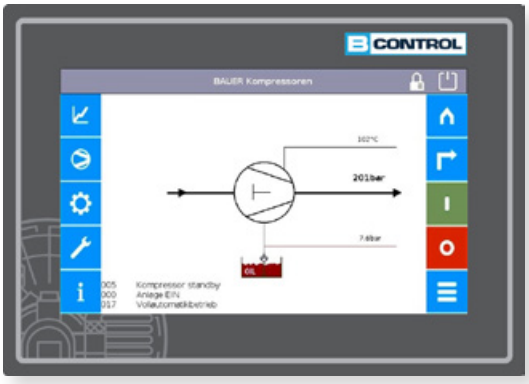
B-CONTROL MICRO

B-CONTROL III

The 7-inch touchscreen colour display impresses with an optimised operating concept and user-friendly display and navigation. Current operating data, maintenance management and operational messages are presented in a clearly structured and visually appealing way.

In addition to controlling central system functions, B-CONTROL III offers practical features such as a data logger, USB port, remote HMI and common interfaces (e.g. OPC UA, Ethernet, Modbus, CAN Bus). It also enables the control of networked systems with up to four compressors.

B-CONTROL III IS BAUER‘S PREMIUM CONTROL SYSTEM FOR DEMANDING APPLICATIONS.



B-CONTROL III display

The B-CONTROL MICRO is part of the standard equipment of all industrial compressors, except BK52 and GIB26-SP.

The B-CONTROL III is part of the standard equipment of the BK 52 and GIB26-SP series and is optionally available for the MINI-VERTICUS & VERTICUS, K 22 - K 28 and BK 23 - BK 26 series.

B-CLOUD

With the B-CLOUD, BAUER KOMPRESSOREN brings the Internet of Things to your operations. It ensures you always have everything under control. A quick glance at the B-CLOUD browser application or the B-APP is all it takes to access all the important information you need. Whether you want to check the status of your systems or require assistance from our service technicians in case of an issue, BAUER and the B-CLOUD are here to support you.

The B-CLOUD provides fault notifications with detailed plain-text diagnostics, so you can immediately identify the problem. It also regularly informs you about upcoming maintenance work and, if desired, connects with your BAUER-authorised service partner. Archiving all critical data and generating automatic monthly reports is made effortless with the B-CLOUD.

The B-CLOUD also offers a range of other useful features, including calculation tools, an integrated global dealer search, and access to news and videos about compressed air and BAUER compressors.

Stay informed anytime, anywhere with the B-APP

B-APP

The B-APP delivers the full range of B-CLOUD functions to your smartphone or tablet, providing flexible remote access to your BAUER KOMPRESSOREN and gas measurement systems.

Available on the App Store (iOS) and on Google Play (Android).

Download on the App Store

GET IT ON Google Play

B-CLOUD READY UNITS

To use the B-CLOUD, your system must be equipped with B-CONTROL MICRO +Net control with software version 3.73 or later. Older systems from version 3.0 can receive a software update and thus become B-CLOUD compatible.

DATA SECURITY

A fundamental aspect of the B-CLOUD[1] involves ensuring the security of compressor systems and the data they transmit. Rigorous protections are in place for compressor authentication, communication, and identification. All data transmitted between the control unit and the cloud is fully end-to-end encrypted.

1 All data stored in B-CLOUD is stored in a high-security data centre located in Western Europe.
The B-CLOUD complies with the requirements set in the EU-GDPR and uses SSL encryption. Please note that B-CLOUD services are not available in all regions.

COOLING

AIR COOLING

Compressors in the low and medium capacity categories (MINI-VERTICUS series, VERTICUS, K 22 – K 28 series, BM series) are cooled directly using ambient air.
The heat they generate is efficiently discharged. An optional noise insulation housing can further optimise compressor air flow.

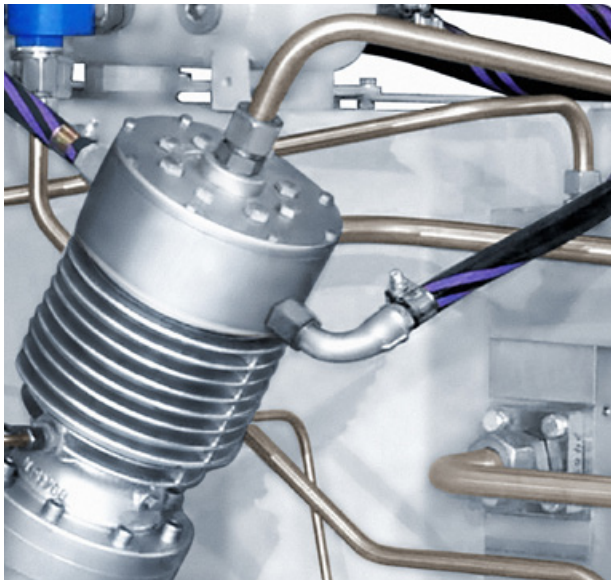
- The compressor is cooled directly by means of ambient air. A fan integrated onto the flywheel provides adequate airflow, while air deflectors ensure targeted cooling.
- The compressor block has large cooling fins to optimise thermal discharge.
- Air is used as a universally available cooling medium, eliminating direct costs.

Compressor unit I 22.0-22, air cooled

WATER COOLING

Compared to air cooling, water cooling has the benefit that the compressor can be installed in even the most challenging environments and spaces – even at sites where adequate air cooling is not possible

- By using targeted water cooling between the interstage, final stage coolers and individual valve heads, the system enables the majority of the heat produced to be absorbed by the cooling water.
- The BAUER stainless steel heat exchanger safeguards the efficiency and long life of the compressor unit and its optimal functioning and cooling.
- Cost- and maintenance-intensive water jackets are not necessary thanks to the design of BAUER blocks, which minimises heat at the cylinder surface.
- Ventilation requirements for the compressor room are minimised and are only necessary to discharge motor and residual heat.



Water cooled valve head

DRIVE SYSTEM

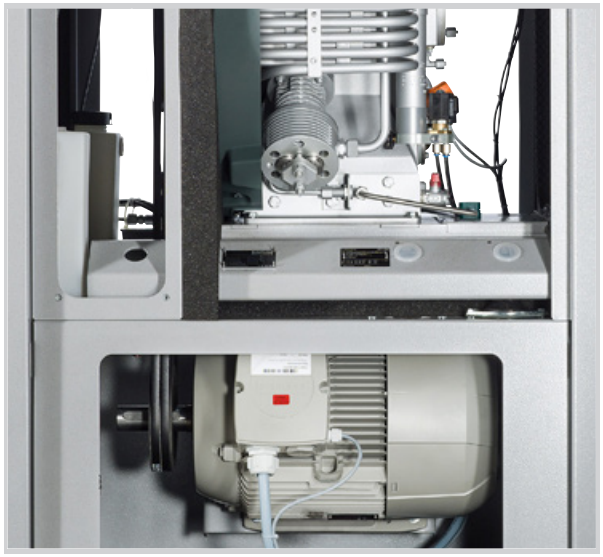
V-BELT DRIVE

The low-maintenance V-belt drive enables the compressor block speed to be optimised regardless of the network frequency and motor type.

The compressor can be set up in vertical or horizontal format. V-belt tension is ensured by the weight of the motor in vertical format (MINI-VERTICUS, VERTICUS) and by belt tensioners in horizontal format (K 23 - K 28).

Compressor series with V-belt drive

- MINI-VERTICUS
- VERTICUS
- K 23 – K 28



Interior view of VERTICUS: Adjustment of the v-belt is not necessary because of the vertical format and suspended motor mounting.

DIRECT DRIVE

The motor and compressor block are connected by an elastic coupling.

The speed of the compressor block corresponds to the motor speed and thus depends on the network frequency – approx. 1485 rpm at 50 Hz.

Direct-drive compressor series

- BM Series
- BK 23 – BK 52
- K 22

GIB 26 Compressor unit, direct-drive

AIR AND GAS PURIFICATION

Our purification processes for highly compressed air and gases are designed to reduce the content of moisture, oil, particulate and other substances. Air and gases purified to strict international standards are key to numerous industrial applications and technical processes.

As the technology leader in this field, BAUER KOMPRESSOREN supplies purification systems with an outstanding global reputation for cost-effectiveness and quality. Make the most of our exceptional expertise and competence to benefit your company!

BAUER KOMPRESSOREN offers a range of own-brand air and gas purification systems for many different applications. Cartridge filter systems, regeneration-type or refrigeration dryers or a combination may be used depending on requirements.

BAUER KOMPRESSOREN holds manufacturer certification for pressure equipment up to Category IV in accordance with the EU Pressure Equipment Directive PED 2014/68/EU.

P-PURIFICATION SYSTEMS (CARTRIDGE PURIFICATION SYSTEMS)

This product series is the undisputed classic among BAUER purification systems, offering significant advantages such as quick and straightforward cartridge change, minimum downtimes and simply cost-effective deployment.

Depending on the filter cartridge type, residual humidity and oil vapours are reliably removed from the compressed air or gas.

- **P-Purification systems can be integrated into MINI-VERTICUS and VERTICUS range compressor systems.**
- **External purification systems are used for compressors from the K 22 – K 28 and BK 23 – BK 52 ranges.**

Purification System P61

For more information on BAUER air and gas purification, see our “BAUER Accessory Systems” brochure and visit www.bauer-kompressoren.de

HELIUM AND ARGON CONFIGURATION

The G Series MINI-VERTICUS and VERTICUS are purpose-designed helium / argon / gas compressors for industrial applications. They are especially modified for compression of helium, argon and other rare gases. The compressors are available in a range of configurations to match customers' needs.

On request, the intake buffer tank and condensate reservoir can be located as free-standing units next to the compressor system, or supplied as an ex-works pre-installed plug-and-play system, mounted complete with compressor on a shared base frame.

FEATURES

- **MINI-VERTICUS and VERTICUS supply helium and other rare gases at final pressures up to 230 bar / 365 bar depending on the process gas.**
- **The compressor block is designed specifically for rare gases, to maximize efficiency and minimize leakage.**
- **Supplied as standard with gas-tight ferrule compression fittings on high-pressure side**
- **Closed-loop system: gas from the crankcase ventilation system and the condensate valves is recovered and returned to the intake area. This simultaneously reduces the risk of external contamination of the process gas.**
- **Flexible design: supplied with integrated or separate intake buffer tank/condensate reservoir depending on customer requirements**
- **On request, helium can be used in final pre-delivery testing of these compressors.**

VERTICUS with Super Silent soundproof housing in Helium version as all-in-one solution

AIR-COOLED COMPRESSOR UNITS & BOOSTER

BM, MINI-VERTICUS, VERTICUS, K 22 – K 28 SERIES

Multi-stage air-cooled medium and high-pressure piston compressors – for the compression of air, nitrogen, helium, argon, heliox, forming gas and gas mixtures

This powerful series has been designed for a wide variety of applications in industrial environments under normal to difficult ambient conditions.

The air-cooled compressors are available in horizontal and vertical formats.

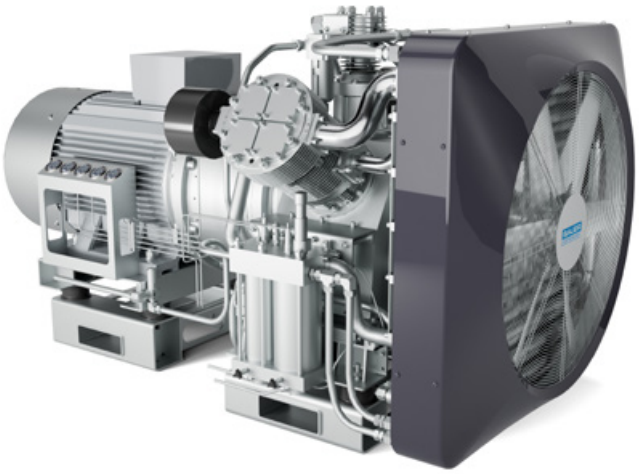
BM SERIES

MEDIUM-PRESSURE COMPRESSORS FOR THE COMPRESSION OF AIR

The BAUER BM series offers a wide power range from 7.5 - 110 kW with delivery rates from 470 - 6200 l/min. The compressors are available in a 2-stage version for discharge pressures up to 30 bar or in a 3-stage version for discharge pressures up to 40 bar and 100 bar.

Outstanding quality, reliability and operational safety as well as ease of maintenance and cost efficiency make the BM series the first choice worldwide.

Low oil consumption, long maintenance intervals and transparent maintenance kits also reduce the total cost of ownership (TCO).



BM60.1/100-110 compressor unit

- **7.5 – 110 kW**
- **470 – 6200 l/min**
- **30 – 110 bar**

FEATURES

- **Direct-coupled BAUER medium-pressure compressors: Perfectly designed for ship installations with very high performance requirements**
- **Low centre of gravity and inclinations of up to 30°: ideal for offshore applications.**
- **Air-cooled design with a large cooling fan: provides optimal cooling across all cylinders even at high ambient temperatures.**
- **Compact dimensions: The space-saving, low-maintenance and reliable solution - even for limited spaces**

EQUIPMENT OPTIONS

- Compressor control B-CONTROL-C II
- Interstage pressure and temperature monitoring
- Intermediate pressure gauge
- Oil sump heater
- Suitable air and gas treatment systems
- Heavy-duty skid with integrated fork-lift pockets and structural tie-downs
- Classification approval (DNV, ABS, RINA)

MINI-VERTICUS & VERTICUS

THE NEW GENERATION OF STATIONARY COMPRESSORS FROM THE MINI-VERTICUS AND VERTICUS SERIES ONCE AGAIN DEMONSTRATES BAUER'S LEADING-EDGE TECHNOLOGICAL STATUS.

The MINI-VERTICUS and VERTICUS series has been developed and built specifically to meet high performance requirements in continuous operation in professional applications.

The new MINI-VERTICUS and VERTICUS combine the legendary BAUER compressor blocks with improved components and ultra-modern design! During the redesign, the focus was on ergonomics, making operation as easy as possible, reducing noise and boosting efficiency.

All control elements that are important for everyday operation are ergonomically arranged and easily accessible from the front. A new condensate vessel integrated into the housing allows for 40 % more capacity. The compressor control monitors the fill level and informs the operator in good time if the condensate needs to be emptied.

The B-CONTROL MICRO demand-driven electronic control unit features clear functional menu-based operation for safe, secure and convenient use and enables the compressor to be controlled fully automatically.

FEATURES

- **Now significantly quieter: thanks to the new anti-vibration frame and noise-optimised Super Silent housing**
- **Compact dimensions: For installation wherever space is at a premium**
- **Ergonomic design: optimum accessibility and operation**
- **B-DRAIN: The new automatic condensate drain is quieter and saves energy**
- **Very easy to maintain: The tension of the V-belt does not have to be adjusted**
- **Remote access via the B-CLOUD**

B CLOUD READY

MINI-VERTICUS - Super Silent

- **3 - 7.5 kW**
- **85 - 475 l/min**
- **30 - 420 bar**

MINI-VERTICUS and VERTICUS have different dimensions and power ranges. VERTICUS is suitable for the power range from 7.5 to 15 kW. MINI-VERTICUS is more compact and is available for motor powers up to 7.5 kW.

VERTICUS – Super Silent

- **7.5 - 15 kW**
- **240 - 950 l/min**
- **90 - 525 bar**

B CLOUD READY

EQUIPMENT OPTIONS

- **NEW!** Remote control and monitoring with the B-BLOUD and B-APP
- **NEW!** Oil level monitoring for safely switching off the compressor unit when the oil level is low
- **NEW!** Particle filter conforming to ISO 8573 class 2
- Super Silent housing
- B-CONTROL III compressor control unit – e.g. for inter-connected operation etc.
- Monitoring intermediate stage pressures and temperatures
- Air and gas purification system P 61 or P 81
- B-SECURUS filter monitoring system
- B-KOOL refrigeration dryer for extending the filter service life
- Intermediate pressure gauges
- Intake system - essential in nitrogen compression
- Intake pressure reduction
- 60-litre condensate vessel
- Extended base frame
- Exhaust shaft

K 22 – K 28 SERIES

ROBUST COMPRESSORS MODELS WITH TECHNOLOGY THAT SETS NEW STANDARDS

Whether they are found in standard compressed-gas applications in industry or built into vehicles for mobile use: The air-cooled high-pressure compressor units in the K 22 – K 28 series are reliable, durable and the solution of choice for demanding customers.

The units of the new K 22 series are designed with direct coupling, while the units K 23 – K 28 are driven by means of V-belts.

- **22 - 110 kW**
- **800 - 6800 l/min**
- **30 - 525 bar**

Compressor unit I 22.0-22

FEATURES

- **Very easy to maintain thanks to proven BAUER system components**
- **Cost-efficient: low installation costs combined with cost-effective operation**
- **Designed for demanding operating conditions, with optimum free F.A.D. and a variety of drive power ratings**
- **Comprehensive assurance of spare parts supply with the global BAUER Service and Support network**

EQUIPMENT OPTIONS

- Super Silent housing
- B-CONTROL III compressor control, e.g. for interconnected operation etc.
- Intermediate pressure gauges
- Intake device
- Intake pressure reduction
- Intake buffer vessel
- External purification systems and storage cylinders

TECHNICAL DATA
AIR COOLED COMPRESSOR UNITS

30 - 110 BAR

50 Hz

AIR

Model	F.A.D.[1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor power	Net weight approx.[3]	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
BM series 30 bar, 50 Hz										
BM5.1/30-7.5V	470	28.2	16.6	30	435	2	1470	7.5	215	475
BM6.1/30-11-V	780	46.8	27.5	30	435	2	1470	11	415	915
BM10.1/30-15-V	1130	67.8	40	30	435	2	1480	15	430	950
BM series 40 bar, 50 Hz										
BM6.1/40-11	660	39.6	23.3	40	580	3	1470	11	425	940
BM10.1/40-18.5	1080	64.8	38.1	40	580	3	1480	18.5	475	1050
BM20.1/40-30	2210	132.6	78	40	580	3	1475	30	960	2120
BM30.1/40-45	3110	186.6	110	40	580	3	1480	45	1075	2370
BM60.1/40-90	6200	372	219	40	580	3	1480	90	2040	4495
BM series 100 bar, 50 Hz										
BM6.1/100-15	630	37.8	22.2	100	1450	3	1470	15	435	960
BM10.1/100-18.5	1060	63.6	37.4	100	1450	3	1485	18.5	475	1045
BM20.1/100-37	2180	130.8	77	100	1450	3	1485	37	1010	2225
BM30.1/100-55	3080	184.8	109	100	1450	3	1485	55	1150	2535
BM60.1/100-110	6150	369	217	100	1450	3	1485	110	2390	5270

60 Hz

AIR

Model	F.A.D.[1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor power	Net weight approx.[3]	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
BM series 30 bar, 60 Hz										
BM5.1/30-7.5-V	570	34.2	20.1	30	435	2	1780	7.5	215	475
BM6.1/30-15-V	970	58.2	34.3	30	435	2	1780	15	425	940
BM10.1/30-18.5-V	1350	81	47.7	30	435	2	1780	18.5	470	1040
BM series 40 bar, 60 Hz										
BM6.1/40-15	800	48	28.2	40	508	3	1775	15	435	960
BM10.1/40-22	1300	78	45.9	40	508	3	1780	18.5	475	1045
BM20.1/40-45	2670	160.2	94.3	40	580	3	1780	45	980	2160
BM30.1/40-55	3750	225	132	40	580	3	1780	55	1150	2535
BM60.1/40-75	4960	297.6	175	40	580	3	1185	75	2350	5180
BM Baureihe 80/100 bar, 60 Hz										
BM6.1/100-15	760	45.6	26.8	100	1450	3	1775	15	435	960
BM10.1/100-22	1280	76.8	45.2	100	1450	3	1780	22	490	1080
BM20.1/100-45	2620	157.2	92.5	80	1160	3	1780	45	1040	2295
BM20.1/100-55	2620	157.2	92.5	100	1450	3	1780	55	1040	2295
BM30.1/100-75	3690	221.4	130	100	1450	3	1780	75	1300	2865
BM60.1/100-90	4910	294.6	173	100	1450	3	1185	90	2390	5270

1 BM series 30 bar: Charging rate, based on 1013 mbar and 20°C ambient temperature, BM series 40 – 100 bar: Volume flow rate according to ISO 1217.
Power consumption at atmospheric inlet pressure and max. final pressure

2 Max. shutdown pressure. Set pressure of safety valve 10% higher.

3 Without control

30 – 100 BAR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
MINI-VERTICUS SERIES, 215 l/min, 30 - 68 bar										
B 12.4-4-MV[3]	215	13	7.6	68	1000	3	1420	4	324	714
K 22 – K 28 SERIES, 670 - 6800 l/min, 30 - 68 bar										
B 28.2-55	3400	204	120	68	1000	3	1050	55	1500	3300
B 28.3-90	5900	354	208	68	1000	3	940	90	2160	4750
B 28.3-110	6800	408	240	68	1000	3	1050	110	2330	5130
MINI-VERTICUS SERIES, 170 - 215 l/min, 64 - 85 bar										
E 12.4-3-MV[3]	170	10.2	6	85	1230	3	1150	3	316	697
E 12.4-4-MV[3]	215	13	7.6	85	1230	3	1420	4	324	714
MINI-VERTICUS SERIES, 215 l/min, 75 - 100 bar										
E 120-4-MV[3]	215	13	7.6	100	1450	3	1420	4	324	714

90 - 420 BAR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
MINI-VERTICUS SERIES, 85 - 300 l/min, 90 - 365 bar										
I 100-3-MV	85	5.1	3	365	5300	3	900	3	316	697
I 100-4-MV	125	7.5	4.4	365	5300	3	1270	4	324	714
I 120-4-MV	170	10.2	6	365	5300	3	1200	4	324	714
I 120-5.5-MV	215	13	7.6	365	5300	3	1470	5.5	333	734
I 12.14-7.5-MV	300	18	10.6	365	5300	4	1450	7.5	350	772
MINI-VERTICUS SERIES, 190 l/min, 350 - 420 bar										
I 100-3-MV[3]	85	5.1	3	420	6100	3	900	3	316	697
I 120-5.5-MV[3]	190	11.4	6.7	420	6100	3	1350	5.5	333	734

1 Volume flow rate according to ISO 1217; valid for air and nitrogen.
Different ambient conditions will result in differing performance values. Values valid for 50 Hz.

2 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

3 Not suitable for compression of nitrogen and forming gas.

90 - 525 BAR

Model	F.A.D. [1]			Max. operating pressure [2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
VERTICUS SERIES, 340 - 610 l/min, 90 - 500 bar										
I 15.1-7.5-V	340	20.4	12	365	5300	4	1050	7.5	384	847
I 15.1-11-V	420	25.2	15	365	5300	4	1320	11	402	886
I 150-11-V	500	30	18	365	5300	4	1230	11	402	886
I 180-15-V	610	36.6	21	365	5300	4	1320	15	416	917
VERTICUS SERIES, 310 - 515 l/min, 350 - 420 bar										
I 15.11-7.5-V	310	18.6	11	420	6100	4	960	7.5	408	900
I 15.11-11-V	420	25.2	15	420	6100	4	1320	11	426	939
I 18.1-15-V	515	30.9	18.2	420	6100	5	1490	15	468	1032
VERTICUS SERIES, 310 - 510 l/min, 420 - 525 bar										
I 15.11-7.5-V	310	18.6	11	525	7600	4	960	7.5	408	900
I 15.11-11-V	420	25.2	15	525	7600	4	1320	11	426	939
I 18.1-15-V	510	30.6	18	525	7600	5	1490	15	468	1032

90 - 525 BAR

Model	F.A.D. [1]			Max. operating pressure [2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
K 22 - K 28 SERIES, 900 - 3500 l/min, 90 - 350/365 bar										
I 22.0-22	900	54	31.8	370	5370	4	1485	22	710	1565
I 22.0-30	1300	78	45.9	370	5370	4	1320	30	780	1715
I 23.0-37	1480	89	52	350	5100	4	1400	37	780	1715
I 25.0-45	1900	114	67	350	5100	4	1180	45	1750	3850
I 28.0-55	2500	150	88	350	5000	4	830	55	1860	4090
I 28.0-75	3500	210	125	350	5100	4	1180	75	1950	4290
K 22 SERIES, 900 - 1300 l/min, 350 - 440 bar										
I 22.0-22	900	54	31.8	440	6380	4	1485	22	710	1565
I 22.0-37	1300	78	45.9	440	6380	4	1485	37	830	1830
K 22 SERIES, 1300 - 2300 l/min, 420 - 525 bar										
I 22.5-30	1300	78	45.9	525	7600	5	1480	30	850	1875
I 25.9-45	1900	114	67	525	7600	5	1180	45	1900	4180
I 25.18-55	2300	138	81	525	7600	5	1100	55	1950	4290

1 Volume flow rate according to ISO 1217; valid for air and nitrogen. Different ambient conditions will result in differing performance values.

2 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

90 - 350 BAR

50 Hz

HE

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
MIN-VERTICUS & VERTICUS SERIES, 105 - 420 l/min, 90 - 230 bar, HELIUM										
G 120-4-MV	105	6.3	3.7	230	3350	3	900	4	330	730
G 120-5.5-MV	140	8.4	5	230	3350	3	1250	5.5	340	750
G 15.2-15-V	420	25.2	14.8	230	3350	4	1320	15	425	930
VERTICUS SERIES, 240 - 420 l/min, 90/200 - 350 bar, HELIUM										
G 15.1-7.5-V	240	14.4	8.5	350	5100	4	880	7.5	400	880
G 15.1-11-V	320	19.2	11.2	350	5100	4	1230	11	415	910
G 18.1-15-V	420	25.2	14.8	350	5100	5	1490	15	430	950
K 22 SERIES, 1520 l/min, 150 - 230 bar, HELIUM										
G 25.9-45	1520	91	54	230	3350	5	1180	45	1780	3920
K 22 SERIES, 600 - 900 l/min, 120 - 320 bar, HELIUM										
G 22.6-22	600	36	21.2	320	4640	4	985	22	820	1810
G 22.6-30	900	54	31.8	320	4640	4	1485	30	890	1960
K 22 – K 25 SERIES, 650 - 1800 l/min, 200 - 350 bar, HELIUM										
G 22.5-22	650	39	23	350	5100	5	985	22	890	1960
G 22.5-30	1000	60	35.3	350	5100	5	1485	30	960	2115
G 25.9-45	1320	79	47	350	5100	5	1050	45	1780	3920
G 25.18-55	1800	108	64	350	5100	5	1100	55	1950	4290

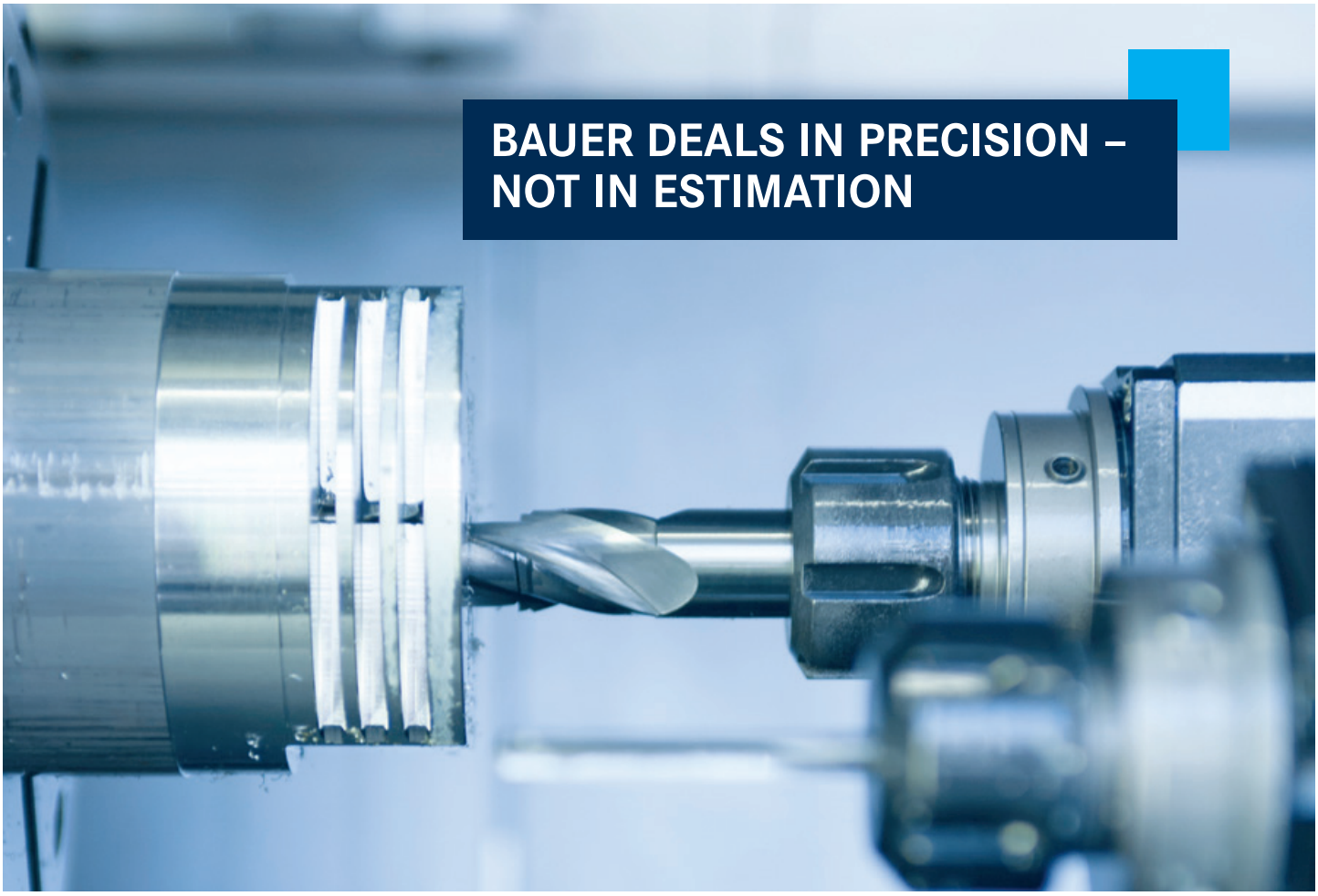
60 Hz

HE

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
K 22 SERIES, 700 - 1070 l/min, 120 - 320 bar, HELIUM										
G 22.6-22	700	42	24.7	320	4640	4	1170	22	820	1810
G 22.6-30	1070	64.2	37.8	320	4640	4	1770	30	890	1960
K 22 SERIES, 800 - 1200 l/min, 200 - 350 bar, HELIUM										
G 22.5-22	800	48	28.2	350	5100	5	1170	22	890	1960
G 22.5-30	1200	72	42.4	350	5100	5	1770	30	960	2115

1 Volume flow rate according to ISO 1217; valid for helium. Different ambient conditions will result in differing performance values.

2 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower. Values and availability and other gases on request.



BAUER DEALS IN PRECISION – NOT IN ESTIMATION

90 - 350 BAR
50 Hz

NE AR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
MIN-VERTICUS & VERTICUS SERIES, 90 - 140 l/min, 90 - 230 bar, ARGON										
G 100-3-MV	90	5.4	3.2	230	3350	3	900	3	320	710
G 120-4-MV	130	7.8	4.6	230	3350	3	900	4	330	730
G 120-5.5-MV	180	10.8	6.4	230	3350	3	1250	5.5	340	750
G 15.2-11-V	370	22.0	12.9	230	3350	4	880	11	415	910
VERTICUS SERIES, 310 - 410 l/min, 90/200 - 350 bar, ARGON										
G 15.1-11-V-AR	310	18.6	10.9	350	5100	4	880	11	415	910
G 18.1-11-V	410	24.6	14.5	350	5100	5	1100	11	420	925
K 22 SERIES, 1860 l/min, 150 - 230 bar, ARGON										
G 25.9-45	1860	112	66	230	3350	5	1180	45	1780	3920
K 22 SERIES, 680 - 1000 l/min, 120 - 320 bar, ARGON										
G 22.6-22	680	40.8	24	320	4640	4	985	22	820	1810
G 22.6-30	1000	60	35.3	320	4640	4	1485	30	890	1960
K 22 – K 25 SERIES, 800 - 2100 l/min, 200 - 350 bar, ARGON										
G 22.5-22	800	48	28.2	350	5100	5	985	22	890	1960
G 22.5-30	1200	72	42.4	350	5100	5	1485	30	960	2115
G 25.9-45	1750	105	62	350	5100	5	1050	45	1780	3920
G 25.18-55	2100	126	74	350	5100	5	1100	55	1950	4290

1 Volume flow rate according to ISO 1217; valid for argon. Different ambient conditions will result in differing performance values.

2 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower. Values and availability for other gases on request.

TECHNICAL DATA
AIR COOLED BOOSTER

55 - 120 BAR
50 Hz

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BOOSTER SERIES GIB 22, 55 - 120 bar – 50 HZ [3]											
GIB 22.7-30 [4]	1750	105	61.8	4.5	55	110	2	1480	30	780	1720
	2200	132	77.7	6	55	110	2	1480	30	780	1720
	2850	171	100,6	8	55	110	2	1480	30	780	1720
	3500	210	123,6	10	55	110	2	1480	30	780	1720

90 - 365 BAR

Model	F.A.D. [1]			Intake pressure	Max. operating pressure [3]		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	psig		rpm	kW	kg	lbs
MINI-VERTICUS SERIES, 200 - 475 l/min, 90 - 365 bar											
GIB 10.2-7.5-MV	290	17.4	10.2	2	365	5300	3	1350	7.5	351	774
	385	23.1	13.6	3	365	5300	3	1350	7.5	351	774
GIB 12.2-5.5-MV	200	12	7	5	365	5300	2	1230	5.5	333	734
	295	17.7	10.4	7	365	5300	2	1230	5.5	333	734
	390	23.4	13.8	9	365	5300	2	1230	5.5	333	734
	475	28.5	17	11	365	5300	2	1230	5.5	333	734
VERTICUS SERIES, 430 - 950 l/min, 90 - 365 bar											
GIB 15.3-11-V	510	30.6	18	7	365	5300	2	1140	11	404	891
	590	35.4	20.8	8	365	5300	2	1140	11	404	891
	670	40.2	23.7	9	365	5300	2	1140	11	404	891
	750	45	26.5	10	365	5300	2	1140	11	404	891
GIB 15.3-11-V (high flow)	660	39.6	23.3	7	365	5300	2	1440	15	413	911
	760	45.6	26.8	8	365	5300	2	1440	15	413	911
	850	51	30	9	365	5300	2	1440	15	413	911
	950	57	33.5	10	365	5300	2	1440	15	413	911

1 Volume flow rate according to ISO 1217; valid for air and nitrogen.
Different ambient conditions will result in differing performance values.

2 Shut-down pressure (sensor setting)

3 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

90 - 365 BAR

Model	F.A.D. [1]			Intake pressure	Max. operating pressure [3]		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	psig		rpm	kW	kg	lbs
VERTICUS SERIES, 430 - 950 l/min, 90 - 365 bar											
GIB 15.41-15-V	430	25.8	15.2	2	365	5300	3	1350	15	416	917
	590	35.4	20.8	3	365	5300	3	1350	15	416	917
	750	45	26.5	4	365	5300	3	1350	15	416	917
GIB 15.41-15-V (high flow)	490	29.4	17.3	2	365	5300	3	1530	15	416	917
	660	39.6	23.3	3	365	5300	3	1530	15	416	917
	830	49.8	29.3	4	365	5300	3	1530	15	416	917

160 - 370 BAR
50 Hz

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BOOSTER SERIES GIB 22, 160 - 370 bar [3]											
GIB 22.10-30	930	55.8	32.8	2	160	350	4	1480	30	780	1720
	1250	75	44.1	3	160	350	4	1480	30	780	1720
	1550	93	54.7	4	160	350	4	1480	30	780	1720
	1700	102	60	4.5	160	350	4	1480	30	780	1720
GIB 22.12-37	1250	75	44.1	4.5	230	350	4	1480	37	830	1830
	1600	96	56.5	6	230	350	4	1480	37	830	1830
	2050	123	72.4	8	230	350	4	1480	37	830	1830
	2500	150	88.3	10	230	350	4	1480	37	830	1830

60 Hz

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BOOSTER SERIES GIB 22, 160 - 370 bar [3]											
GIB 22.10-37	1100	66	38.8	2	160	350	4	1770	37	830	1830
	1480	88.8	52.3	3	160	350	4	1770	37	830	1830
	1850	111	65.3	4	160	350	4	1770	37	830	1830
	2050	123	72.4	4.5	160	350	4	1770	37	830	1830
GIB 22.12-37	1500	90	53	4.5	230	350	4	1770	37	830	1830
	1900	114	67.1	6	230	350	4	1770	37	830	1830
	2450	147	86.5	8	230	350	4	1770	37	830	1830
	3000	180	105.9	10	230	350	4	1770	37	830	1830

1 Volume flow rate according to ISO 1217; valid for air and nitrogen. Different ambient conditions will result in differing performance values.

2 Shut-down pressure (sensor setting)

3 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

WATER COOLED COMPRESSORS UNITS & BOOSTER

BK 23 – BK 52 SERIES

Multi-stage water-cooled high-pressure piston compressors.

BAUER KOMPRESSOREN builds durable and powerful two-stage to four-stage water-cooled high-pressure piston compressors for specific free air delivery rates and pressures, as well as five-stage screw booster units. For the compression of air, nitrogen, helium, argon, heliox, methane and gas mixtures.

This series is ideal for installation under the most difficult ambient conditions in which air cooling would not be possible.

BK 23 – BK 52 SERIES COMPRESSORS

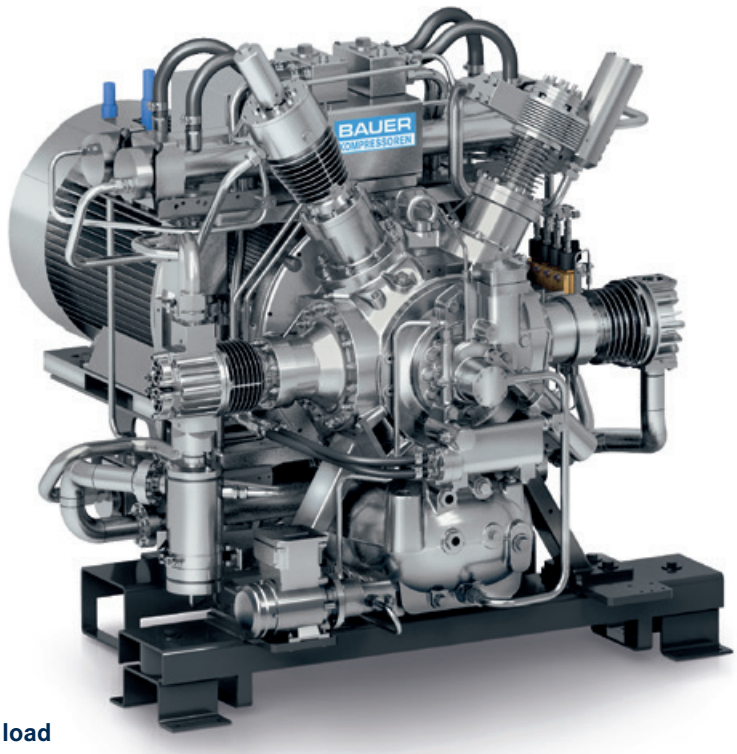
HIGH-PERFORMANCE SYSTEMS FOR INDUSTRIAL HEAVY-DUTY APPLICATIONS

BK 23 – BK 52 Series compressor systems are extremely low-maintenance with long service life, yet are significantly quieter than comparable air-cooled compressors. They are specifically designed for continuous industrial operation or heavy-duty applications.

The total cost of ownership (TCO) is further reduced by their low oil consumption, long maintenance intervals and transparent maintenance rates.

The dry sump lubrication system enables the compressors to be set up at angles of up to 30° in all directions.

- **22 - 160 kW**
- **760 - 6600 l/min**
- **25 - 420 bar**



GIB 26 compressor unit

FEATURES

- **Cooling of individual valve heads reduces thermal load for minimum wear**
- **Installation even under the most difficult ambient conditions, thanks to dedicated water cooling of the compressor block**
- **Incredibly long-serving and reliable unit, with extended valve service life and low oil consumption**
- **Reduced noise level compared with air-cooled units**

BK 23 – BK 52 SERIES BOOSTER

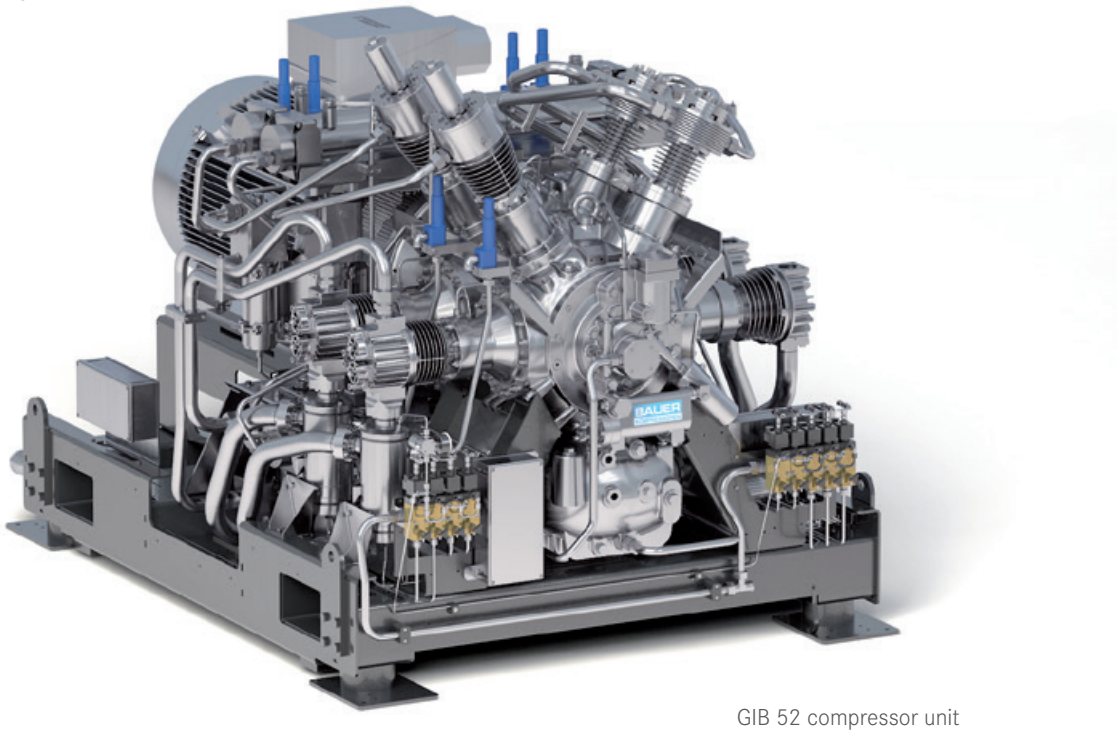
This industrial booster series by BAUER KOMPRESSOREN impress with a crankcase that is pressure-resistant up to 16 bar.

Deliberately optimised for gas-tightness, compression to the required final pressure is possible without losses for the cost-effective recovery and decanting of noble gases, gas mixtures and heliox.

By using targeted water cooling between the interstage, final stage coolers and individual valve heads the system enables the majority of the heat produced to be absorbed by the cooling water.

As a result, the units require very little maintenance and achieve long service lives. At the same time, they are quieter than comparable air-cooled compressors and ideal for installation under conditions in which air cooling would not be possible.

- **373 - 315 kW**
- **1700 - 22800 l/min**
- **25 - 520 bar**



GIB 52 compressor unit

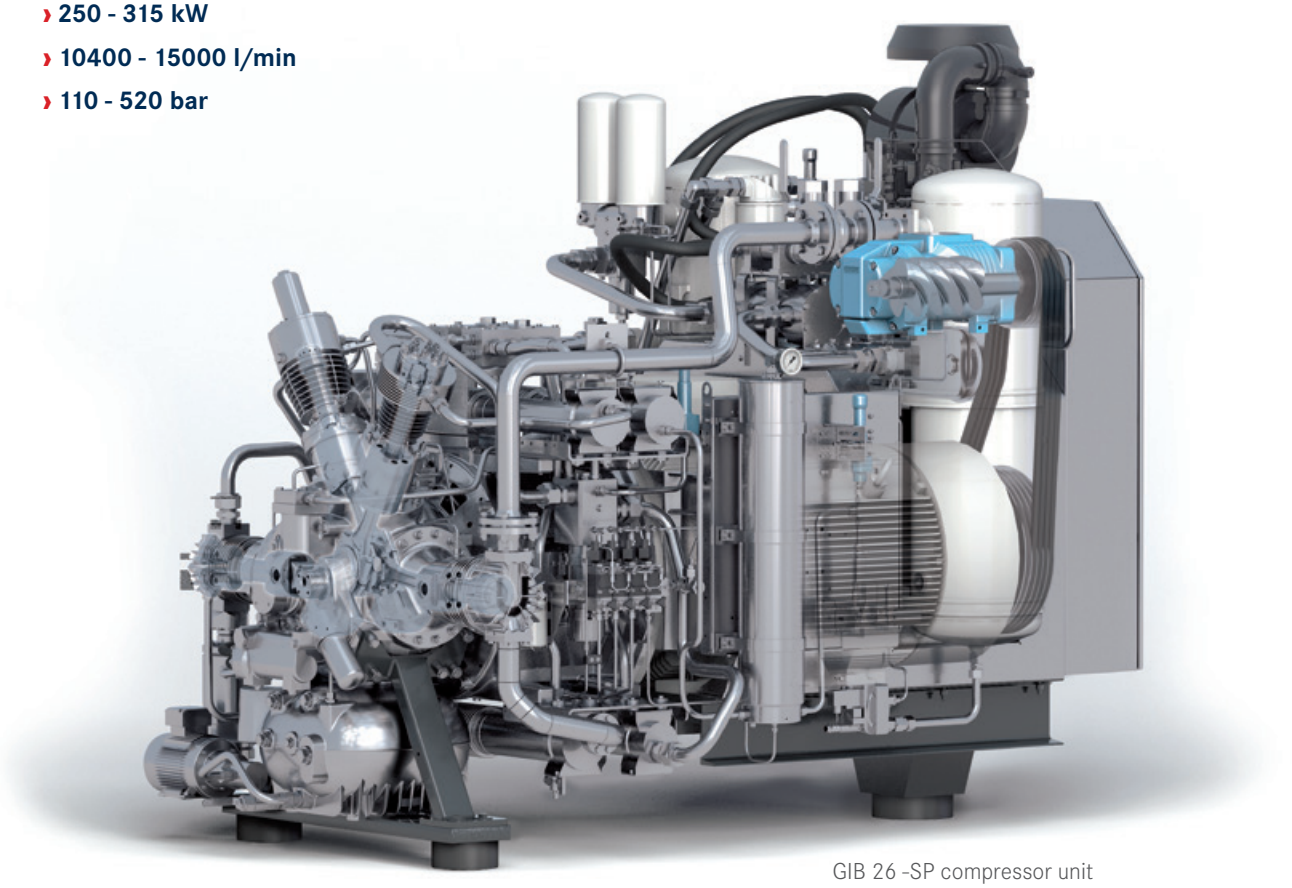
EQUIPMENT OPTIONS FOR BK 23 – BK 52 SERIES

- Monitoring of pressure and temperature of all stages
- Intermediate pressure gauges
- Intake buffer vessel
- Condensate collection vessel

GIB 26-SP

The combination of the screw compressor and high-pressure booster provides a high level of free air delivery with compact dimensions. The compression process involves 3 resp. 5 stages, keeping compression temperatures to a minimum.

- **250 - 315 kW**
- **10400 - 15000 l/min**
- **110 - 520 bar**



GIB 26 -SP compressor unit

FEATURES

- **Low compression temperatures and operating temperatures thanks to a 3 resp. 5 stage compression process**
- **Cooling of individual valve heads reduces thermal load for minimum wear**
- **Installation even under the most difficult ambient conditions, thanks to dedicated water cooling of the compressor block**
- **Fully equipped with soft starter and B-CONTROL III**

EQUIPMENT OPTIONS

- Monitoring of pressure and temperature of all stages
- External purification and storage systems

TECHNICAL DATA
WATER COOLED COMPRESSOR UNITS

25 - 420 BAR

50 Hz

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motorpower	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL B, 25 - 68 bar										
B 26.4-55	3570	214	123	68	1000	3	985	55	2710	5970
B 26.4-90	5400	324	190	68	1000	3	1485	90	2960	6530
BK 23 – BK 52 SERIES, MODEL I AND IB, 90 - 365 bar										
IB 23.0-30	1000	60	35.3	365	5300	4	985	30	1000	2200
IB 23.0-37	1500	90	53	365	5300	4	1485	37	1050	2315
I 26.0-55	2400	144	85	365	5300	4	985	55	2690	5930
I 26.0-75	3300	198	117	365	5300	4	1485	75	2950	6500
I 52.0-110	4800	288	170	365	5300	4	985	110	4600	10200
I 52.0-160	6600	396	233	365	5300	4	1485	160	4900	10800
BK 23 – BK 52 SERIES, MODEL I, 90 - 420 bar										
I 26.0-90-420	3300	198	117	420	6100	4	1485	75	3080	6790
I 52.0-160-420	6600	398	233	420	6100	4	1485	160	4900	10800

60 Hz

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motorpower	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL I AND IB, 90 - 365 bar										
IB 23.0-30	1150	69	40.6	365	5300	4	1170	30	1000	2200
IB 23.0-45	1750	105	61.8	365	5300	4	1770	45	1090	2400

90 - 520 BAR

Model	F.A.D. [1]			Max. operating pressure [2]		No. of stages	Speed approx.	Motorpower	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kg	lbs
BK 26-SP SERIES – SP, 90 - 520 bar										
GIB 26.7-SP-110	15000	900	530	110	1600	3	1485	315	4600	10200
GIB 26.12-SP-365	10400	624	367	365	5300	5	1485	250	4400	9700
GIB 26.12-SP-420	10400	624	367	420	6100	5	1485	250	4400	9700
GIB 26.12-SP-520	10400	624	367	520	7540	5	1485	250	4400	9700

1 Volume flow rate according to ISO 1217; valid for air and nitrogen.
Different ambient conditions will result in differing performance values.

2 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.
Values and availability for helium, argon and other gases on request.

90 - 330 BAR
50 Hz

HE AR HELIOX

Model	F.A.D. [1]			Intake pressure	Max. operating pressure [2]		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	psig		rpm	kW	kg	lbs
BK 23 SERIES, MODEL GB, 90 - 230 bar											
GB 23.0-22	760	45.6	26.8	atm.	230	3350	4	985	22	940	2070
GB 23.2-30	920	55.2	32.5	atm.	230	3350	4	1485	30	1000	2200
GB 23.0-30	1140	68.4	40.3	atm.	230	3350	4	1485	30	1000	2200
BK 26 SERIES, MODEL GB, 120 - 330 bar											
GB 26.1-75	3330	200	118	atm.	330	4780	5	1485	75	3100	6850

60 Hz

HE AR HELIOX

Model	F.A.D. [1]			Intake pressure	Max. operating pressure [2]		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	psig		rpm	kW	kg	lbs
BK 23 SERIES, TYP GB, 90 - 230 bar											
GB 23.0-22	900	54	31.8	atm.	230	3350	4	1170	22	940	2070
GB 23.2-30	1050	63	37.1	atm.	230	3350	4	1770	30	1000	2200
GB 23.0-37	1360	81.6	48	atm.	230	3350	4	1770	37	1050	2315

1 Volume flow rate according to ISO 1217; valid for helium.
Different ambient conditions will result in differing performance values.

2 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.
Values and availability for argon and other gases on request.

TECHNICAL DATA
WATER COOLED BOOSTER

25 - 110 BAR

AIR N_2 HE AR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 23, 25 - 90 bar [3]											
GIB 23.7-45	2550	153	90	4.5	25	40	2	1485	45	1090	2400
	3600	216	127.1	6	35	60	2	1485	45	1090	2400
	4600	276	162.4	8	40	80	2	1485	45	1090	2400
	5600	336	197.7	10	50	80	2	1485	45	1090	2400
	6700	402	23..6	12	50	80	2	1485	45	1090	2400
BK 23 – BK 52 SERIES, MODEL GIB 26, 25 - 110 bar [3]											
GIB 26.7-132	7000	420	247	4	25	50	2	1485	132	3360	7400
	9800	588	346	6	35	63	2	1485	132	3360	7400
	12600	756	445	8	40	100	2	1485	132	3360	7400
	15400	924	544	10	50	100	2	1485	132	3360	7400

1 Volume flow rate according to ISO 1217; valid for air and nitrogen.
Values and availability for helium and argon on request. Different ambient conditions will result in differing performance values.

2 Shut-down pressure (sensor setting)

3 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

90 - 365 BAR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 23, 90 - 365 bar [3]											
GIB 23.10-45 [3]	1700	102	60	2	90	200	4	1485	45	1090	2400
	2250	135	79.4	3	150	300	4	1485	45	1090	2400
	2800	168	98.9	4	200	350	4	1485	45	1090	2400
	3100	186	109.5	4.5	200	350	4	1485	45	1090	2400
GIB 23.12-45	1950	117	68.9	4.5	90	200	4	1485	45	1090	2400
	2500	150	88.3	6	150	300	4	1485	45	1090	2400
	3200	192	113	8	200	350	4	1485	45	1090	2400
	3500	210	123.6	9	200	350	4	1485	45	1090	2400
GIB 23.13-45 [3]	2350	141	83	8	150	200	4	1485	45	1090	2400
	2900	174	102.4	10	150	300	4	1485	45	1090	2400
	3400	204	120.1	12	200	350	4	1485	45	1090	2400
	3900	234	137.7	14	200	350	4	1485	45	1090	2400
BK 23 – BK 52 SERIES, MODEL GIB 26, 90 - 365 bar [3]											
GIB 26.10-132	5200	312	184	2	90	200	4	1485	132	3350	7400
	7000	420	247	3	150	350	4	1485	132	3350	7400
	8700	522	307	4	200	350	4	1485	132	3350	7400
	9600	576	339	4.5	200	350	4	1485	160	3420	7540
GIB 26.12-132	5400	324	191	4.5	90	250	4	1485	132	3350	7400
	6900	414	244	6	150	350	4	1485	132	3350	7400
	8900	534	314	8	200	350	4	1485	132	3350	7400
	10800	648	381	10	200	350	4	1485	132	3350	7400
GIB 26.13-132	7800	468	275	10	150	350	4	1485	132	3350	7400
	9200	552	325	12	150	350	4	1485	132	3350	7400
	10700	642	378	14	200	350	4	1485	132	3350	7400
	11400	684	403	15	250	350	4	1485	132	3350	7400

1 VVolume flow rate according to ISO 1217; valid for air and nitrogen.
Values and availability for helium and argon on request. Different ambient conditions will result in differing performance values. Values valid for 50 Hz.

2 Shut-down pressure (sensor setting)

3 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

90 - 420 BAR

AIR N_2 HE AR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 52, 90 - 365 bar [3]											
GIB 52.10-315	10500	630	371	2	90	200	4	1485	315	6000	13200
	14000	840	494	3	150	350	4	1485	315	6000	13200
	17500	1050	618	4	200	350	4	1485	315	6000	13200
	19200	1152	678	4.5	200	350	4	1485	315	6000	13200
GIB 52.12-250	10800	648	381	4.5	90	250	4	1485	250	5500	12100
	13800	828	487	6	150	350	4	1485	250	5500	12100
	17700	1062	625	8	200	350	4	1485	250	5500	12100
	21700	1302	766	10	200	350	4	1485	315	6000	13200
GIB 52.13-250	15600	936	551	10	150	350	4	1485	250	5500	12100
	18500	1110	653	12	150	350	4	1485	250	5500	12100
	21300	1278	752	14	200	350	4	1485	250	5500	12100
	22800	1368	805	15	250	350	4	1485	315	6000	13200
BK 23 – BK 52 SERIES, MODEL GIB 23 – GIB 52, 200 - 420 bar [3]											
GIB 23.5-45 [3]	2900	174	102.4	10	200	400	4	1485	45	1090	2400
	3600	216	127.1	13	200	400	4	1485	45	1090	2400
GIB 26.12-160-420	8400	504	297	7.5	200	400	4	1485	160	3420	7540
	10800	648	381	10	200	400	4	1485	160	3420	7540
GIB 52.12-315-420	16400	968	579	7.5	200	400	4	1485	315	6000	13200
	21700	1302	766	10	200	400	4	1485	315	6000	13200

420 - 520 BAR

AIR N_2 HE AR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max		No. of stages	Speed approx.	Motorpo-wer	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 26 – GIB 52, 420 – 520 BAR [3]											
GIB 26.12-160-520	8400	504	297	7.5	200	500	4	1485	160	3420	7540
	10800	648	381	10	200	500	4	1485	160	3420	7540
GIB 52.12-315-520	16400	986	579	7.5	200	500	4	1485	315	6000	13200
	21700	1302	766	10	200	500	4	1485	315	6000	13200

1 VVolume flow rate according to ISO 1217; valid for air and nitrogen.
Values and availability for helium and argon on request. Different ambient conditions will result in differing performance values. Values valid for 50 Hz.

2 Shut-down pressure (sensor setting)

3 Maximum allowable working pressure = max. setting safety valve; final pressure (shut-down pressure) lower.

ACCESSORIES

BAUER KOMPRESSOREN supplies an extensive range of accessories for its compressor systems.

From air and gas purification to control, storage and gas measurement, BAUER's components enable you to align your system precisely to your needs, enhancing its cost-effectiveness or extending its scope of application.

P 120 purification system

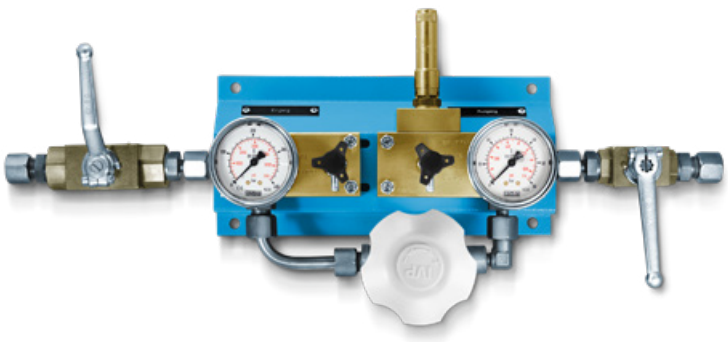
AIR AND GAS PURIFICATION

- Refrigeration type dryer
- P-Purification systems
- Regeneration type dryer

STORAGE SYSTEMS

- Single high-pressure cylinders
- Storage cylinder racks
- Special pressure tanks

2 x B 80 storage system



High-pressure reducing station

AIR AND GAS DISTRIBUTION

- High-pressure reducing station
- Control panel
- Automatic selector unit

For further accessories and more details, see our BAUER Accessory Systems brochure and visit our website at www.bauer-kompressoren.de.

AIR-TO-WATER HEAT EXCHANGER

› For BK 23 – BK 52
› Uses ambient air to cool the cooling water
› Can be retrofitted

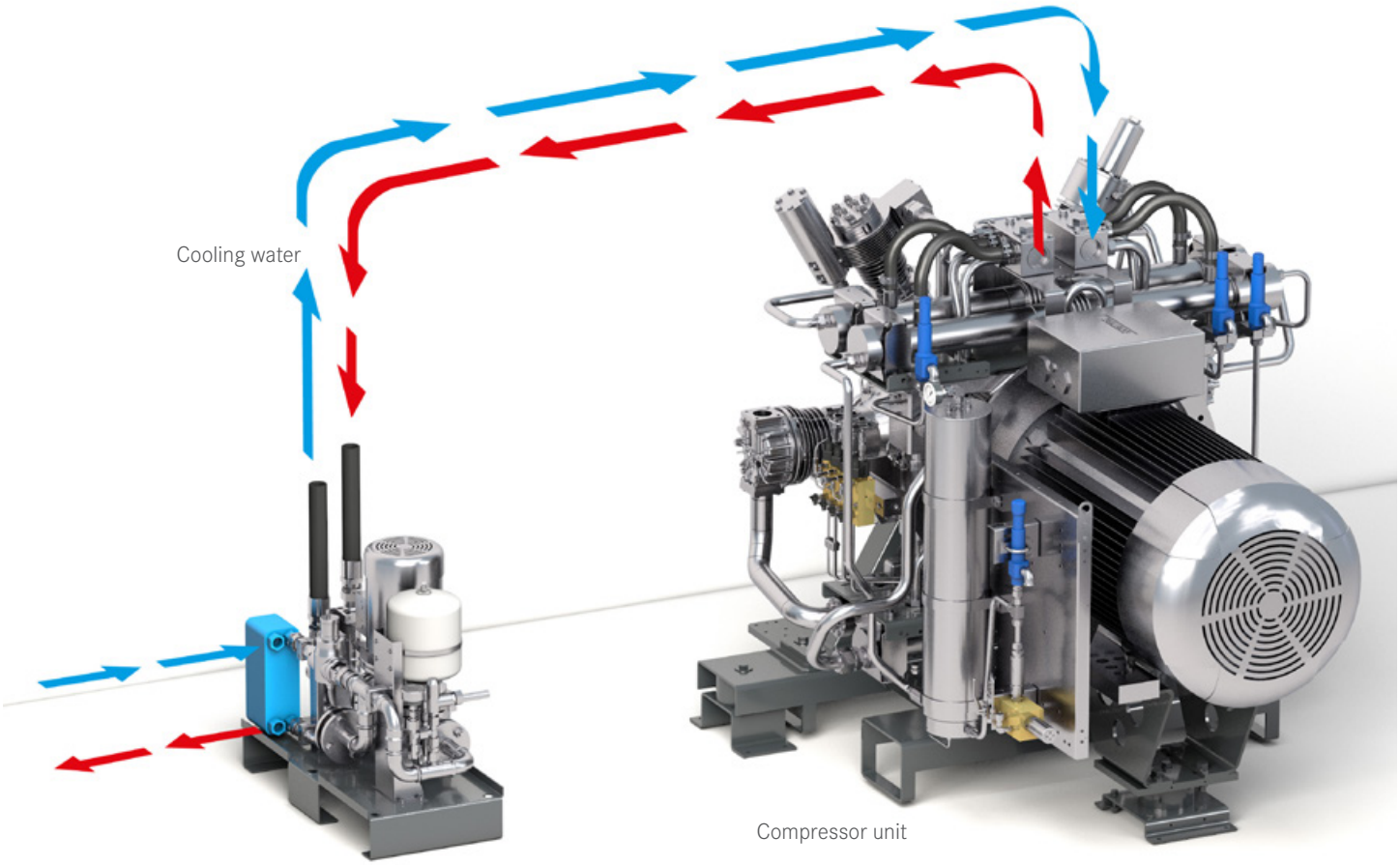
Hybrid cooling combines all the advantages of air and water cooling. As in a motor vehicle, the block itself is primarily water-cooled: this is done deliberately with heat dissipation in mind. A heat exchanger is connected to cool the cooling water with ambient air.

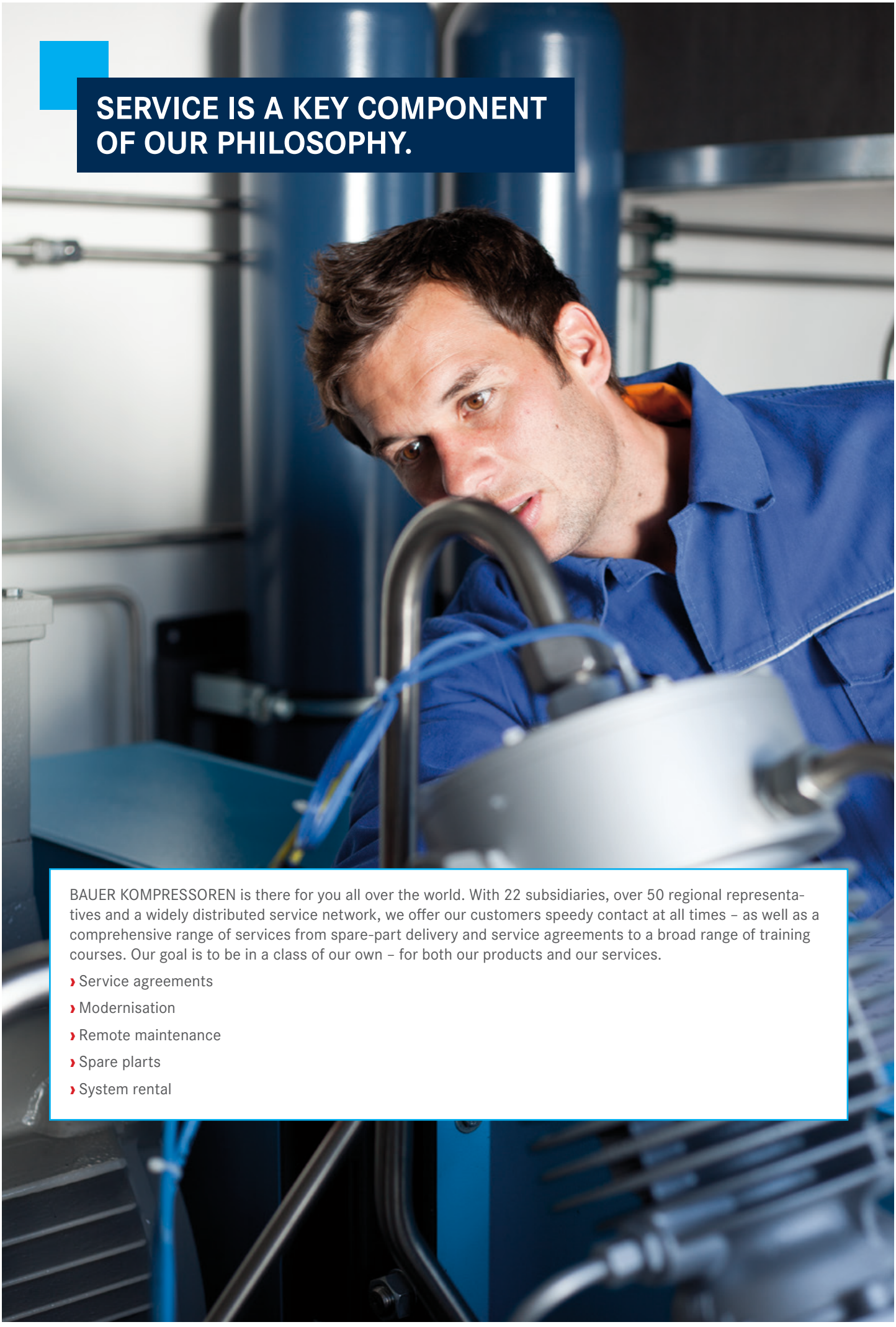
This system is independent of an on-site cooling water supply and can even be installed in locations where there is no cooling water or the supply of cooling air available for the compressor is limited.

PLATE HEAT EXCHANGER

› For BK 23 – BK 52
› Creates a closed, clean cooling water circuit
› Can be retrofitted

Depending on the local water quality, a plate heat exchanger set may have to be installed between compressor/booster and the cooling water circuit to provide the compressor with a dedicated cooling water circuit, independent from the quality of the wcooling water on site. This solution guarantees that the heat exchanger at the compressor/booster block will not be subject to corrosion or choked by sludge accumulation.





SERVICE IS A KEY COMPONENT OF OUR PHILOSOPHY.

BAUER KOMPRESSOREN is there for you all over the world. With 22 subsidiaries, over 50 regional representatives and a widely distributed service network, we offer our customers speedy contact at all times – as well as a comprehensive range of services from spare-part delivery and service agreements to a broad range of training courses. Our goal is to be in a class of our own – for both our products and our services.

- Service agreements
- Modernisation
- Remote maintenance
- Spare plarts
- System rental

ACCEPTANCE AND SERVICES

MANUFACTURING IS ONLY PART OF WHAT WE DO

ISO 9001 CERTIFICATION

› BAUER assures consistent maximum product quality by applying extensive quality control measures during and after production in line with DIN EN ISO 9001.

ACCEPTANCE TESTING

› A factory acceptance test or site acceptance test in the presence of the customer or certifying body can be performed in addition to the standard BAUER final test. Many BAUER compressors can also be produced in compliance with other standards, e.g. according to ASME, KHK etc.

PACKING & PROTECTION

› Our compressors are packed ex works for transport by truck or air freight. We offer appropriate packing designs tailored for shipping, transport to tropical regions or long storage periods.

INSTALLATION

› Professional installation is a vital basic factor in safe operation of high-pressure systems. Our global network of branches and qualified partners provides smooth, trouble-free support in planning and implementation, wherever you are.

COMMISSIONING

› When installation is completed, BAUER's expert staff check and confirm the system functions correctly during commissioning. Detailed operator training is naturally an integral part and lays the foundations for optimum system use – which is later reflected in lower operating costs, and thus higher value added.

TRAINING

› To ensure your staff are always up-to-date, we provide a comprehensive range of practical training courses for our customers, where users and operators can benefit directly from our expertise.

INTERESTED IN OUR PRODUCTS?

CONTACT US – WE ARE HAPPY TO PROVIDE INFORMATION AND ASSISTANCE.

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