BAUER KOMPRESSOREN

Quality. Our DNA

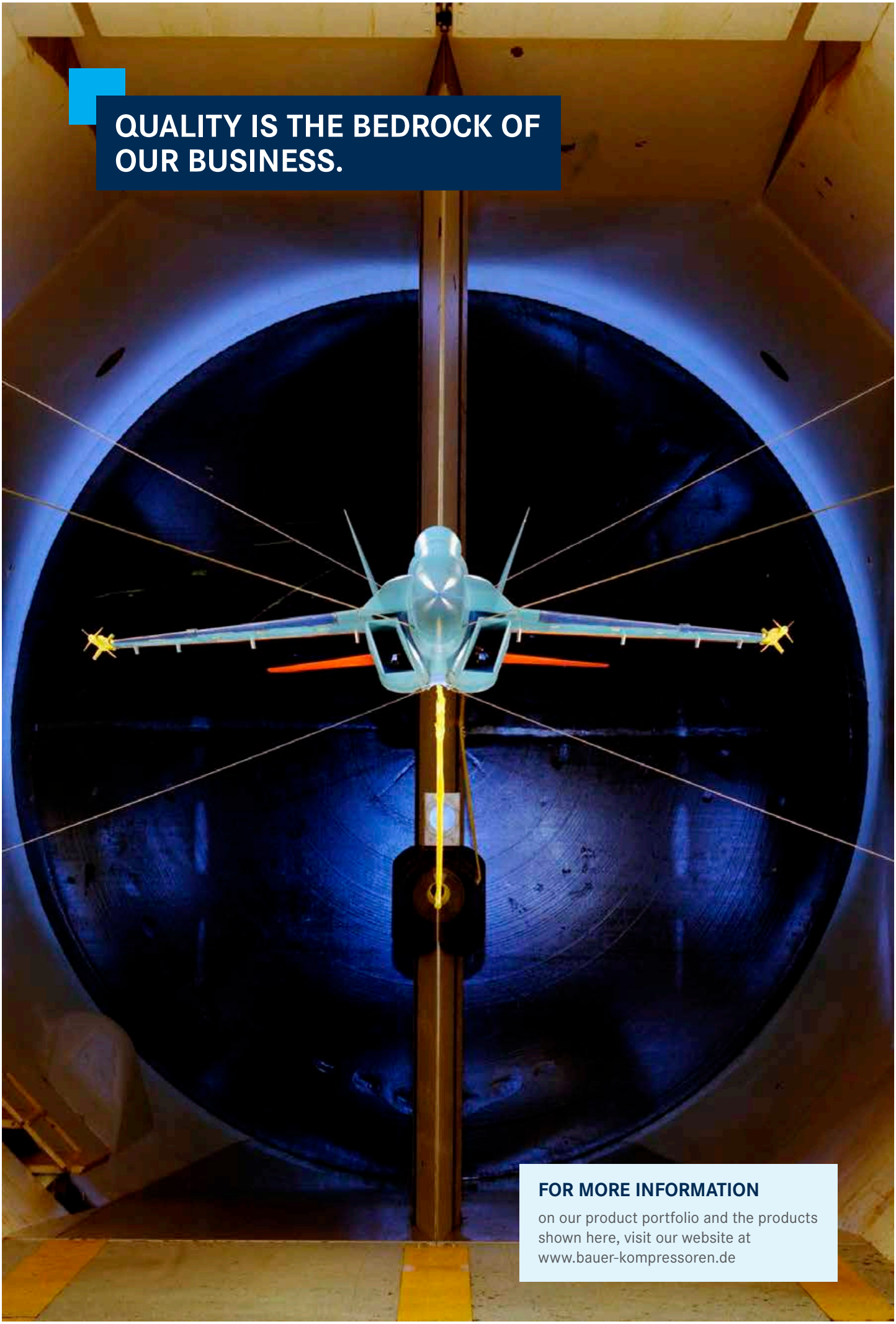
COMPRESSORS FOR INDUSTRY

TAILORED TO YOUR REQUIREMENTS

INDUSTRY

1946 — 2016

70 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**

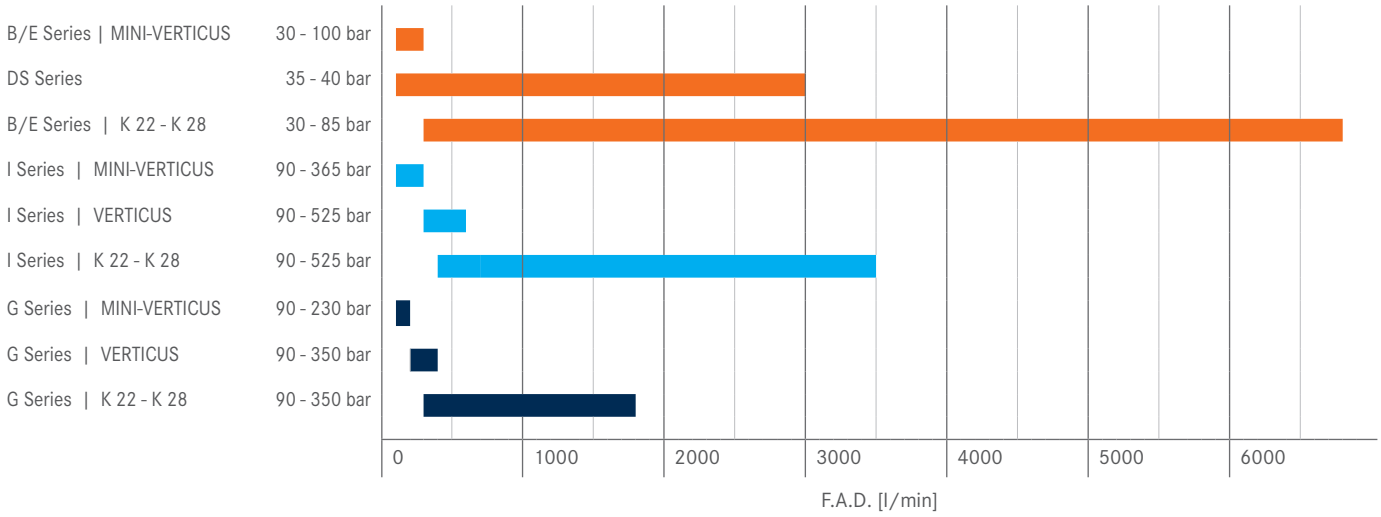
PERFORMANCE OVERVIEW

EXCELLENT COMPRESSOR SOLUTIONS FOR YOUR REQUIREMENTS

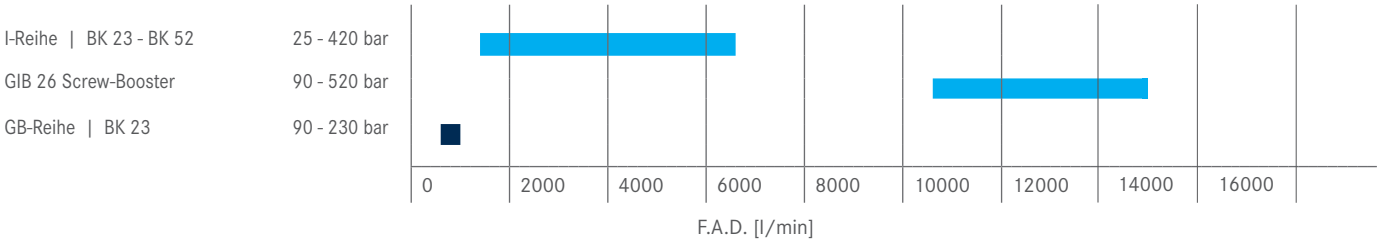
BAUER KOMPRESSOREN produces medium- and high-pressure compressors for air or gas compression, featuring state-of-the-art technology and outstanding quality. We have built extensive expertise in development, production and application through decades of experience, and apply this knowledge to design solutions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

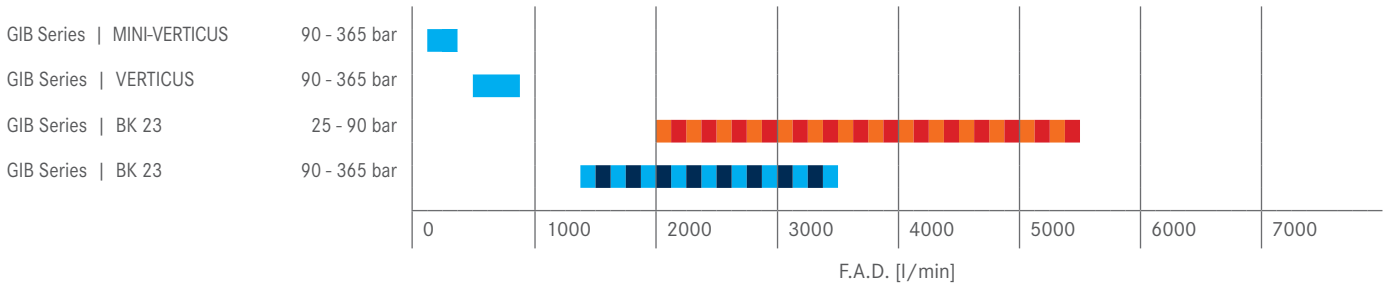
COMPRESSORS AIR COOLED | 30 - 525 BAR



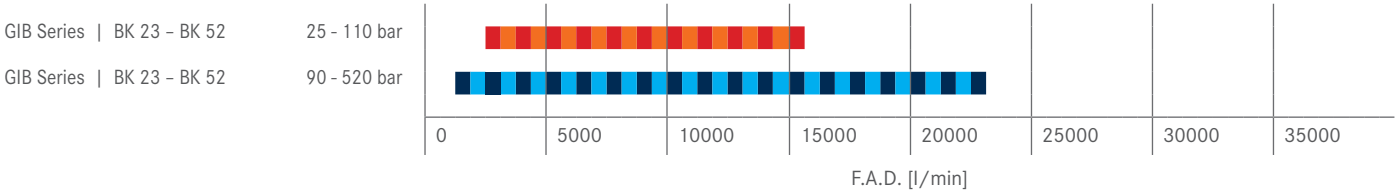
COMPRESSORS WATER COOLED | 25 - 520 BAR



BOOSTER AIR COOLED | 25 - 420 BAR



BOOSTER WATER COOLED | 25 - 520 BAR



KEY TO COLOURS

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

HIGHLIGHT FEATURES

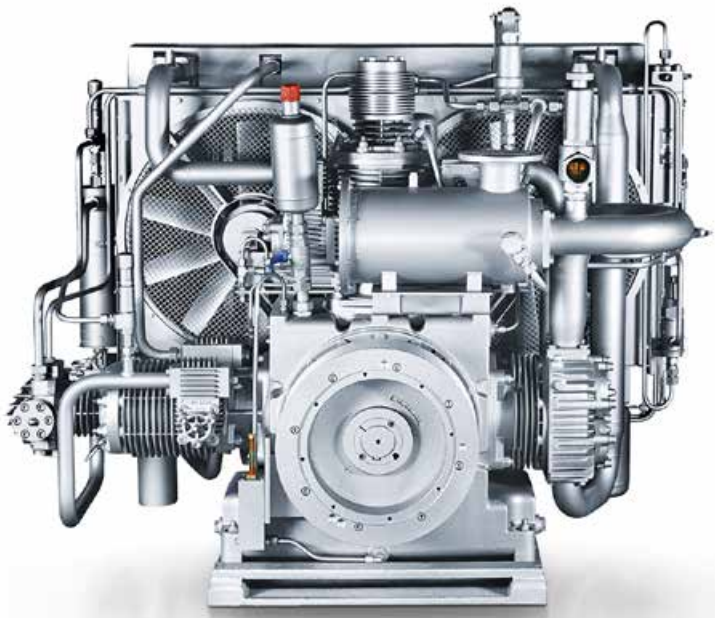
COMPRESSOR BLOCK

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

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 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

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

B-CONTROL MICRO

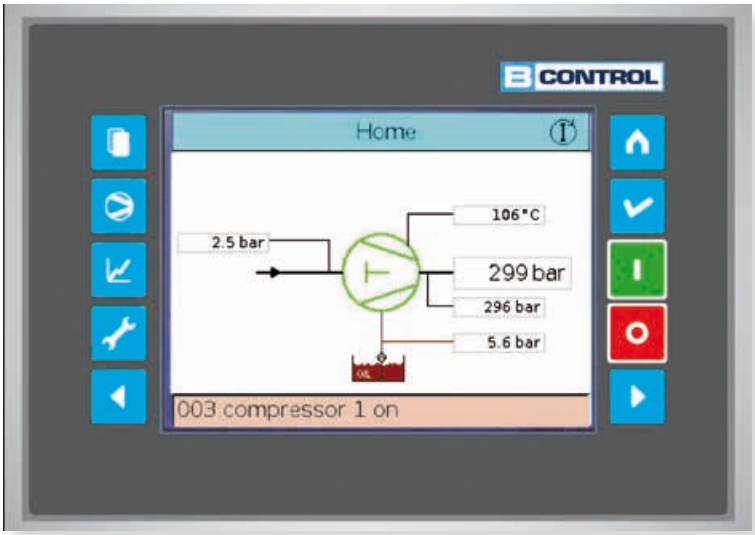
The B-CONTROL MICRO is supplied as standard with the MINI-VERTICUS, VERTICUS and K 22 - K 28 compressor series.

B-CONTROL II

As well as supporting the control and monitoring of important unit functions, the B-CONTROL II[1] also features user-friendly additional features such as data logger, USB port and accessible interfaces like Modbus, CAN Bus or Profibus. It can even be used for integrated control of an interconnected system with up to four compressors. Additional sensors and devices can be connected for tasks including monitoring of intermediate pressures and temperatures, remote data transfer via B-MESSENGER, remote control via an external instrument panel, B-DETECTION etc.

The B-CONTROL II can be customised and expanded to meet your individual requirements – even including controlling end-to-end system sequences.

THE BAUER B-CONTROL II IS THE ADVANCED VERSION OF THE BASIC COMPRESSOR CONTROL B-CONTROL MICRO WITH 5.7“ TFT COLOUR TOUCHSCREEN DISPLAY AND CLEAR TEXT DISPLAY



B-CONTROL II display

B-APP

NEW! The B-APP makes remote control and monitoring of the compressor possible via smartphone or tablet as well![2]

B-APP also offers additional features such as product-specific news, videos, an integrated dealer search function and calculation tools.

Available in the App Store (iOS) and on GooglePlay (Android).

Download on the App Store

GET IT ON Google Play

The new B-APP turns your smartphone into a compressor control unit.

1 The B-CONTROL II is supplied as standard with the BK 23 - BK 52 series and is available as an optional accessory for the MINI-VERTICUS & VERTICUS and K 22 - K 28 series.

2 As a requirement, the B-CONTROL MICRO (+Net) control unit must have a valid IP address and be connected to the same local area network (LAN/WLAN) as the smartphone.

COOLING

AIR COOLING

Compressors in the low and medium capacity categories (MINI-VERTICUS series, VERTICUS, K 22 – K 28 series, BK 23 series, DS 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 28.0-75, 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 22 - K 28).

Compressor series with V-belt drive

- MINI-VERTICUS
- VERTICUS
- K 22 – K 28
- BK 23

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

- DS Series
- BK 26 – BK 52

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 CONFIGURATION

The G Series MINI-VERTICUS and VERTICUS are purpose-designed helium / gas compressors for industrial applications. They are especially modified for compression of helium 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

DS, 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, natural 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 v-belt drive compressors are available in horizontal and vertical formats.

DS SERIES

FOR HEAVY-DUTY OPERATION IN MARINE APPLICATION

The air-cooled direct-coupled compressors in the DS series meet the traditionally very challenging requirements encountered in industrial and marine applications.

Used all over the world in professional environments to generate the starting air for ships‘ engines, they offer an impressive range of features: Excellent power reserves, a very low centre of gravity and compact dimensions, optimised for space-saving installation in machine and equipment rooms.

- **4 - 45 kW**
- **200 - 3020 l/min**
- **35 - 40 bar**

DS 166 compressor unit

FEATURES

- **Direct-coupled medium-pressure compressors for marine applications: ideally dimensioned for installation in ships where performance requirements are very high**
- **Choose electric or diesel drive: designed and developed for a wide variety of applications in the fields of marine and industry.**
- **Low centre of gravity, conventional control: ideal for broad universal use and long-term service**
- **Compact dimensions: the space-saving, low-maintenance and reliable solution – even for small machine rooms**

EQUIPMENT OPTIONS

- Compressor control CMC
- Temperature monitoring
- Compressor heating device
- Condensate collection vessel

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 advanced B-CONTROL MICRO is more powerful and ready to communicate with the B-APP for remotely controlling and monitoring the compressor.

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**
- **B-APP: Remote control and monitoring of the units via smartphone or tablet**

MINI-VERTICUS - Super Silent

- **3 - 7.5 kW**
- **85 - 475 l/min**
- **30 - 365 bar**

MINI-VERTICUS and VERTICUS have different dimensions and power ranges. VERTICUS is suitable for the power range from 11 to 15 kW. MINI-VERTICUS is more compact and is available for motor powers up to 7.5 kW.

VERTICUS – Super Silent

EQUIPMENT OPTIONS

- **NEW!** Remote control and monitoring with the 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 II 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

- **11 - 15 kW**
- **240 - 950 l/min**
- **90 - 525 bar**

K 22 – K 28 SERIES

ROBUST COMPRESSORS MODELS WITH TECHNOLOGY THAT SETS NEW STANDARDS

Whether in standard compressed air applications in industry or installed in vehicles for mobile applications, the air-cooled units in the K 22 – K 28 series are reliable, durable and the solution of choice for demanding customers.

A proven and reliable system which has a history of reliable performance.

- **11 - 110 kW**
- **800 - 6800 l/min**
- **30 - 525 bar**

Compressor unit I 22.0

FEATURES

- **Very easy to maintain thanks to V-belt drive and 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 II compressor control, e.g. for interconnected operation, monitoring all stages etc.
- Intermediate pressure gauges
- Intake device
- Intake pressure reduction
- Intake buffer vessel
- External purification systems and storage cylinders

TECHNICAL DATA
AIR COOLED COMPRESSOR UNITS
40 BAR

Model	F.A.D. [1]			Frequency	Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	Hz	bar	psig		rpm	kW	kW	kg	lbs
DS RANGE, 40 bar												
DS 14-4	200	12	7	50	40	580	2	1440	4	3.3	200	440
	230	13.8	8	60	40	580	2	1720	4.4	3.9	200	440
DS 17-4	245	14.7	8.6	50	40	580	2	1440	4	3.7	200	440
	280	16.8	9.8	60	40	580	2	1720	4.4	4.4	200	440
DS 35-10	500	30	17.6	50	40	580	2	1450	9	7.5	350	770
	575	34.5	20.2	60	40	580	2	1740	11	9	350	770
DS 70-18.5	990	594	34.8	50	40	500	2	1440	15	15	710	1565
	1140	68.4	40	60	40	500	2	1720	20	18	745	1640
DS 76-18.5	1100	66	38.6	50	40	580	3	1450	18.5	17	660	1455
	1265	76	44.4	60	40	580	3	1740	20.4	20	660	1455
DS 166-37	2400	144	85	50	40	580	3	1470	37	31	805	1775
	2760	166	97	60	40	580	3	1760	41	37	805	1775
DS 181-45	3020	181	107	50	40	580	3	1470	45	40	825	1820
	--	--	--	60	40	580	3	--	--	--	825	1820

30 - 68 BAR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kW	kg	lbs
MINI-VERTICUS, 215 l/min, 30 - 68 bar											
B 12.4-4-MV	215	13	7.6	68	1000	3	1420	4	3.5	324	714
K 22 - K 28 SERIES, 670 - 6800 l/min, 30 - 63 bar											
B 22.5-11	670	40	24	68	1000	3	920	11	10	450	1000
B 22.5-15	950	57	34	68	1000	3	1310	15	14	460	1010
B 23.4-22	1350	81	48	68	1000	3	920	22	20	670	1470
B 23.4-30	1730	104	61	68	1000	3	1200	30	26	740	1630
B 25.4-37	2400	144	85	68	1000	3	1070	37	36	1430	3150
B 25.4-45	2850	171	100	68	1000	3	1270	45	43	1460	3210
B 28.2-55	3400	204	120	68	1000	3	1050	55	51	1500	3300
B 28.3-90	5900	354	208	68	1000	3	940	90	88	2160	4750
B 28.3-110	6800	408	240	68	1000	3	1050	110	102	2330	5130

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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.

64 – 100 BAR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kW	kg	lbs
K 22 – K 28, 850 – 3300 l/min, 64 – 85 bar											
E 22.5-15	850	51	30	85	1230	3	1150	15	14	460	1010
E 23.4-22	1280	77	45	85	1230	3	920	22	20	670	1470
E 23.4-30	1700	102	60	85	1230	3	1200	30	27	735	1620
E 25.4-37	2000	120	71	85	1230	3	940	37	33	1430	3150
E 25.4-45	2600	156	92	85	1230	3	1200	45	42	1460	3210
E 28.2-55	3300	198	120	85	1230	3	1050	55	53	1500	3300
MINI-VERTICUS SERIES, 170 - 215 l/min, 64 - 85 bar											
E 12.4-3-MV	170	10.2	6	85	1230	3	1150	3	2.7	316	697
E 12.4-4-MV	215	13	7.6	85	1230	3	1420	4	3.7	324	714
MINI-VERTICUS SERIES, 215 l/min, 75 - 100 bar											
E 120-4-MV	215	13	7.6	100	1450	3	1420	4	3.7	324	714

90 - 365 BAR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	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	2.2	316	697
I 100-4-MV	125	7.5	4.4	365	5300	3	1270	4	3.3	324	714
I 120-4-MV	170	10.2	6	365	5300	3	1200	4	3.7	324	714
I 120-5.5-MV	215	13	7.6	365	5300	3	1470	5.5	4.7	333	734
I 12.14-7.5-MV[3]	300	18	10.6	365	5300	4	1450	7.5	6.5	350	772

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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.

90 - 525 BAR

AIR N_2

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	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	6.9	384	847
I 15.1-11-V	420	25.2	15	365	5300	4	1320	11	9.6	402	886
I 150-11-V	500	30	18	365	5300	4	1230	11	10.2	402	886
I 180-15-V	610	36.6	21	365	5300	4	1320	15	12.0	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	7.0	408	900
I 15.11-11-V	420	25.2	15	420	6100	4	1320	11	10.4	426	939
I 18.1-15-V	515	30.9	18.2	420	6100	5	1490	15	13.0	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	7.0	408	900
I 15.11-11-V	420	25.2	15	525	7600	4	1320	11	10.4	426	939
I 18.1-15-V	510	30.6	18	525	7600	5	1490	15	13.5	468	1032

90 - 525 BAR

AIR N_2

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kW	kg	lbs
K 22 - K 28 SERIES, 800 - 3500 l/min, 90 - 350/365 bar											
I 22.0-18.5	800	48	28	365	5300	4	1180	18,5	17.9	510	1120
I 22.0-22	930	56	33	365	5300	4	1320	22	20.5	570	1255
I 23.0-30	1300	78	46	350	5100	4	1200	30	28	760	1670
I 23.0-37	1480	89	52	350	5100	4	1400	37	34	780	1715
I 25.0-45	1900	114	67	350	5100	4	1180	45	41	1750	3850
I 28.0-55	2500	150	88	350	5000	4	830	55	50	1860	4090
I 28.0-75	3500	210	125	350	5100	4	1180	75	72	1950	4290
K 22 SERIES, 800 l/min, 350 - 420 bar											
I 22.0-22-420 [3]	800	48	28	420	6100	4	1180	22	19	570	1255
K 25 SERIES, 1900 - 2300 l/min, 420 - 525 bar											
I 25.9-45	1900	114	67	525	7600	5	1180	45	42	1900	4180
I 25.18-55	2300	138	81	525	7600	5	1100	55	55	1950	4290

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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.

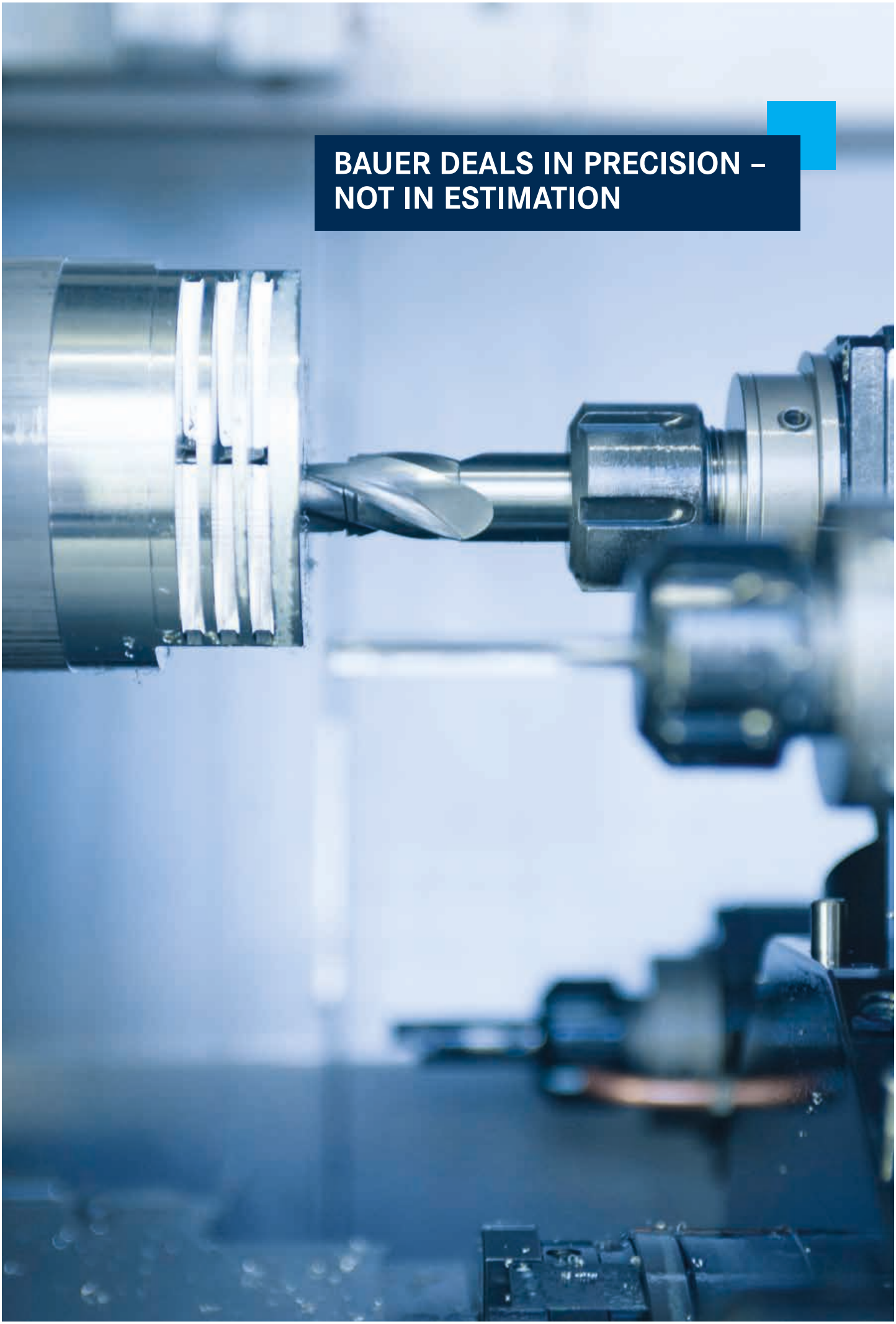
90 - 350 BAR

HE AR

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kW	kg	lbs
MIN-VERTICUS SERIES, 70 - 140 l/min, 90 - 230 bar, HELIUM											
G 100-3-MV	70	4,2	2,4	230	3350	3	900	3	2,1	320	710
G 120-4-MV	105	6,3	3,7	230	3350	3	900	4	2,7	330	730
G 120-5.5-MV	140	8,4	5	230	3350	3	1250	5,5	3,8	340	750
VERTICUS SERIES, 240 - 420 l/min, 90 - 350 bar, HELIUM											
G 15.1-7.5-V	240	14.4	8.5	350	5100	4	880	7.5	6.3	400	880
G 15.1-11-V	320	19.2	11.2	350	5100	4	1230	11	9.1	415	910
G 18.1-15-V	420	25.2	14.7	350	5100	5	1490	15	13.3	430	950
K 22 – K 25 SERIES, 580 - 1800 l/min, 90 - 230 bar, HELIUM											
G 22.0-18.5	580	35	20	230	3350	4	1050	18.5	15	540	1190
G 23.1-22	670	40	24	230	3350	4	990	22	17	740	1630
G 23.1-30	850	51	30	230	3350	4	1250	30	22	790	1740
G 25.9-45	1520	91	54	230	3350	5	1180	45	38	1780	3920
G 25.18-55	1800	108	64	230	3350	5	1100	55	45	1950	4290
K 25 SERIES, 1800 l/min, 230 - 350 bar, HELIUM											
G 25.9-45	1320	79	47	350	5100	5	1050	45	36	1780	3920
G 25.18-55	1800	108	64	350	5100	5	1100	55	49	1950	4290

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, valid for helium. 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. Values and availability for argon and other gases on request.


BAUER DEALS IN PRECISION –
NOT IN ESTIMATION

TECHNICAL DATA
AIR COOLED BOOSTER

25 - 90 BAR

AIR N_2 HE AR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 23, 2060 - 5360 l/min, 25 - 90 bar [3]												
GIB 23.7-37 [4]	2060	124	73	4	25	40	2	1140	37	15	1160	2560
	2900	174	102	6	35	60	2	1140	37	21	1160	2560
	3700	222	131	8	40	80	2	1140	37	28	1160	2560
	4530	272	160	10	50	80	2	1140	37	30	1160	2560
	5360	322	189	12	50	80	2	1140	37	32	1160	2560

90 - 365 BAR

AIR N_2

Model	F.A.D. [1]			Intake pressure	Max. operating pressure [3]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	psig		rpm	kW	kW	kg	lbs
MINI-VERTICUS SERIES, 215 - 475 l/min, 90 - 365 bar												
GIB 12.2-5.5-MV	200	12	7	5	365	5300	2	1230	5.5	3.3	333	734
	295	17.7	10.4	7	365	5300	2	1230	5.5	4.0	333	734
	390	23.4	13.8	9	365	5300	2	1230	5.5	4.6	333	734
	475	28.5	17	11	365	5300	2	1230	5.5	5.1	333	734
VERTICUS SERIES, 430 - 830 l/min, 90 - 365 bar												
GIB 15.3-11-V	510	30.6	18	7	365	5300	2	1140	11	6.6	404	891
	590	35.4	20.8	8	365	5300	2	1140	11	7.1	404	891
	670	40.2	23.7	9	365	5300	2	1140	11	7.7	404	891
	750	45	26.5	10	365	5300	2	1140	11	8.2	404	891
GIB 15.3-11-V (high flow)	660	39.6	23.3	7	365	5300	2	1440	15	10	413	911
	760	45.6	26.8	8	365	5300	2	1440	15	10.8	413	911
	850	51	30	9	365	5300	2	1440	15	11.5	413	911
	950	57	33.5	10	365	5300	2	1440	15	12.2	413	911
GIB 15.41-15-V	430	25.8	15.2	2	365	5300	3	1350	15	9.0	416	917
	590	35.4	20.8	3	365	5300	3	1350	15	10.6	416	917
	750	45	26.5	4	365	5300	3	1350	15	12.1	416	917
GIB 15.41-15-V (high flow)	490	29.4	17.3	2	365	5300	3	1530	15	10.5	416	917
	660	39.6	23.3	3	365	5300	3	1530	15	12.5	416	917
	830	49.8	29.3	4	365	5300	3	1530	15	14.5	416	917

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, valid for air and nitrogen. 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.

4 Values and availability for helium, argon and other gases on request.

90 - 365 BAR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 23, 1330 - 3500 l/min, 90 - 365 bar [3]												
GIB 23.10-37	1330	80	47	2	90	200	4	1140	37	21	1150	2535
	1780	107	63	3	150	300	4	1140	37	29	1150	2535
	2220	133	78	4	200	350	4	1140	37	36	1150	2535
	2440	146	86	4.5	200	350	4	1140	45	38	1150	2535
GIB 23.12-37	1700	102	60	4.5	90	200	4	1140	37	22	1150	2535
	2100	126	74	6	150	300	4	1140	37	30	1150	2535
	2700	162	95	8	200	350	4	1140	45	37	1150	2535
	3300	198	116	10	200	350	4	1140	45	43	1150	2535
GIB 23.13-37	2100	126	74	8	150	200	4	1140	37	20	1150	2535
	2600	156	92	10	150	300	4	1140	37	27	1150	2535
	3000	180	106	12	200	350	4	1140	37	32	1150	2535
	3500	210	124	14	200	350	4	1140	37	35	1150	2535

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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.

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.

- **30 - 160 kW**
- **920 - 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**

GIB 23 compressor unit

BK 23 Series: Vertical format, v-belt drive, also available as air-cooled version
BK 26, BK 52 Series: Horizontal format, direct-drive

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.

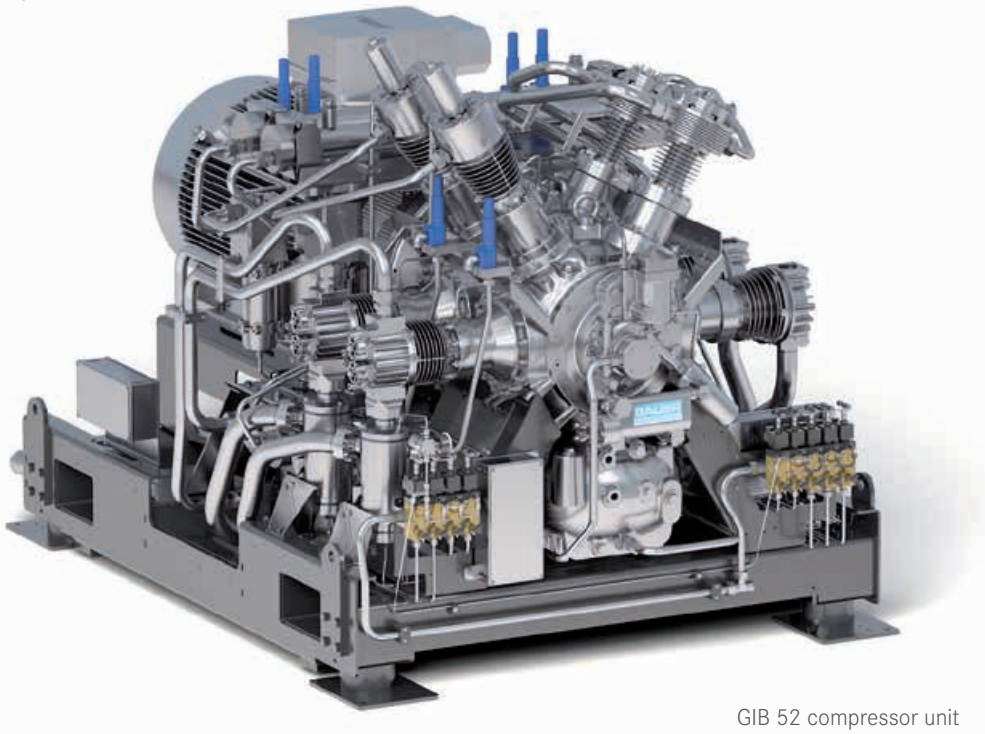
Deliberately optimised for gas-tightness, compression to the required final pressure is possible without losses for the cost-effective recovery and decanting of noble gases, gas mixtures and heliox.

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.

Direct-coupled or V-belt drive solutions are available in horizontal or vertical format.

- **373 - 315 kW**
- **1300 - 22800 l/min**
- **25 - 520 bar**



GIB 52 compressor unit

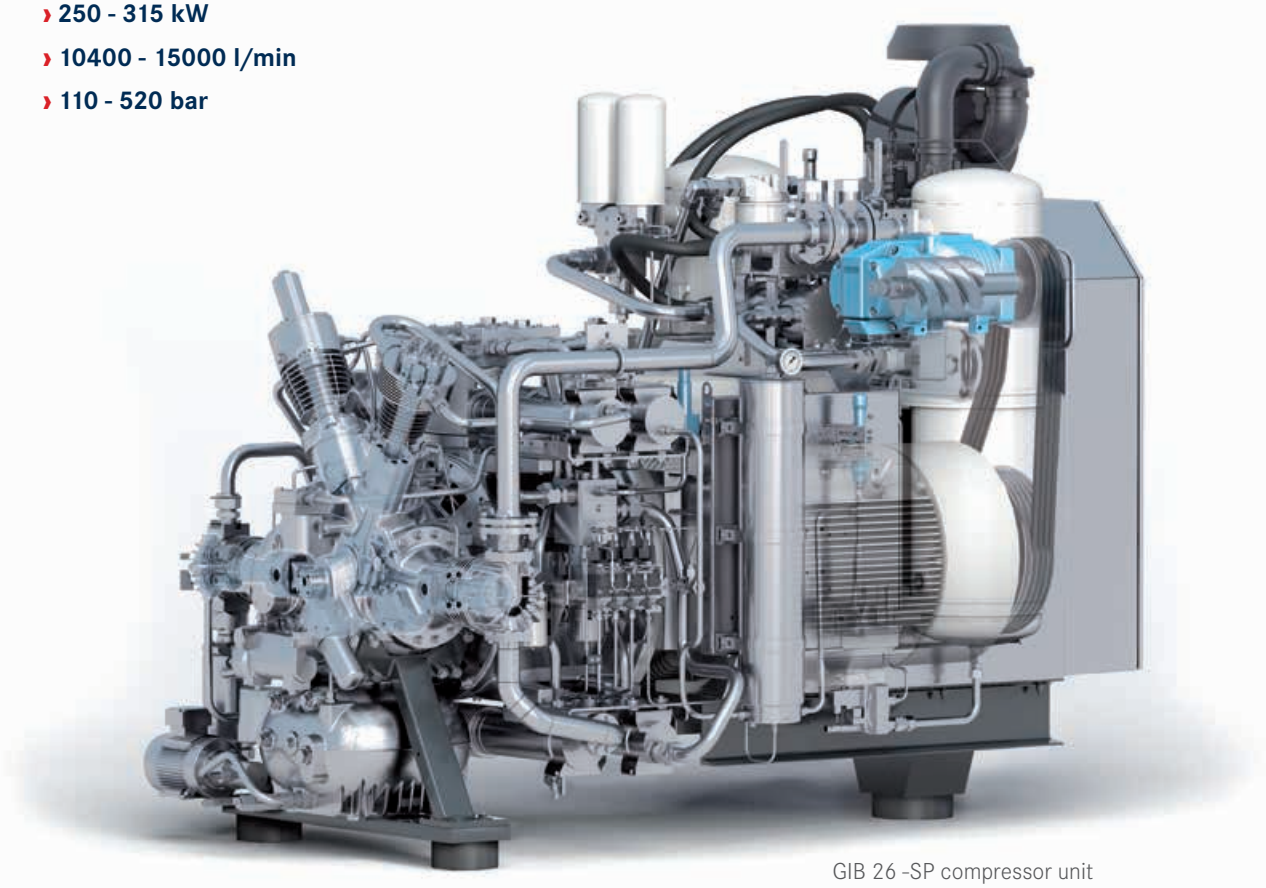
EQUIPMENT OPTIONS FOR BK 23 – BK 52 SERIES

- 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**

EQUIPMENT OPTIONS

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

TECHNICAL DATA
WATER COOLED COMPRESSOR UNITS

25 - 420 BAR

AIR N_2

Model	F.A.D. [1]			Max. operating pressure[2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	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	53	2710	5970
B 26.4-90	5400	324	190	68	1000	3	1485	90	80	2960	6530
BK 23 – BK 52 SERIES, MODEL I AND IB, 90 - 365 bar											
IB 23.0-30	1300	78	46	365	5300	4	1210	30	28	1150	2500
IB 23.0-37	1500	90	53	365	5300	4	1420	37	34	1150	2500
I 26.0-55	2400	144	85	365	5300	4	985	55	41	2690	5930
I 26.0-75	3300	198	117	365	5300	4	1485	75	63	2950	6500
I 52.0-110	4800	288	170	365	5300	4	985	110	82	4600	10200
I 52.0-160	6600	396	233	365	5300	4	1485	160	126	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	71	3080	6790
I 52.0-160-420	6600	398	233	420	6100	4	1485	160	142	4900	10800

90 - 520 BAR

AIR N_2

Model	F.A.D. [1]			Max. operating pressure [2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	psig		rpm	kW	kW	kg	lbs
BK 26-SP SERIES – SP, 90 - 520 bar											
GIB 26.7-SP-110	15000	900	530	110	1600	3	1485	315	260	4600	10200
GIB 26.12-SP-365	10400	624	367	365	5300	5	1485	250	213	4400	9700
GIB 26.12-SP-420	10400	624	367	420	6100	5	1485	250	220	4400	9700
GIB 26.5-SP-520	10400	624	367	520	7540	5	1485	250	227	4400	9700

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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. Values and availability for helium, argon and other gases on request.

90 - 230 BAR

HE AR HELIOX

Model	F.A.D. [1]			Intake pressure	Max. operating pressure [2]		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	psig		rpm	kW	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GB, 90 - 230 bar, HELIUM												
GB 23.2-22	740	44	26	atm.	230	3350	4	1140	22	20	1155	2500
GB 23.2-30	920	55	32	atm.	230	3350	4	1420	30	26	1150	2500

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, valid for helium. 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. Values and availability for argon and other gases on request.

TECHNICAL DATA
WATER COOLED BOOSTER

25 - 110 BAR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max.		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 23, 25 - 90 bar [3]												
GIB 23.7-37	2060	124	73	4	25	40	2	1140	37	15	1160	2560
	2900	174	102	6	35	60	2	1140	37	21	1160	2560
	3700	222	131	8	40	80	2	1140	37	28	1160	2560
	4530	272	160	10	50	80	2	1140	37	30	1160	2560
	5360	322	189	12	50	80	2	1140	37	32	1160	2560
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	58	3360	7400
	9800	588	346	6	35	63	2	1485	132	77	3360	7400
	12600	756	445	8	40	100	2	1485	132	106	3360	7400
	15400	924	544	10	50	100	2	1485	132	118	3360	7400

1 Volume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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 - 365 BAR

Model	F.A.D. [1]			Intake pressure	Shut-down pressure [2] min. | max		No. of stages	Speed approx.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 23, 90 - 365 bar [3]												
GIB 23.10-37	1330	80	47	2	90	200	4	1140	37	21	1180	2600
	1780	107	63	3	150	300	4	1140	37	29	1180	2600
	2220	133	78	4	200	350	4	1140	37	36	1180	2600
	2440	146	86	4.5	200	350	4	1140	45	38	1180	2600
GIB 23.12-37	1700	102	60	4.5	90	200	4	1140	37	22	1180	2600
	2100	126	74	6	150	300	4	1140	37	30	1180	2600
	2700	162	95	8	200	350	4	1140	45	37	1180	2600
	3300	198	116	10	200	350	4	1140	45	43	1180	2600
GIB 23.13-37	2100	126	74	8	150	200	4	1140	37	20	1180	2600
	2600	156	92	10	150	300	4	1140	37	27	1180	2600
	3000	180	106	12	200	350	4	1140	37	32	1180	2600
	3500	210	124	14	200	350	4	1140	37	35	1180	2600
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	70	3350	7400
	7000	420	247	3	150	350	4	1485	132	99	3350	7400
	8700	522	307	4	200	350	4	1485	132	116	3350	7400
	9600	576	339	4.5	200	350	4	1485	160	125	3420	7540
GIB 26.12-132	5400	324	191	4.5	90	250	4	1485	132	69	3350	7400
	6900	414	244	6	150	350	4	1485	132	90	3350	7400
	8900	534	314	8	200	350	4	1485	132	107	3350	7400
	10800	648	381	10	200	350	4	1485	132	122	3350	7400
GIB 26.13-132	7800	468	275	10	150	350	4	1485	132	94	3350	7400
	9200	552	325	12	150	350	4	1485	132	105	3350	7400
	10700	642	378	14	200	350	4	1485	132	116	3350	7400
	11400	684	403	15	250	350	4	1485	132	120	3350	7400

90 - 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.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	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	140	6000	13200
	14000	840	494	3	150	350	4	1485	315	198	6000	13200
	17500	1050	618	4	200	350	4	1485	315	232	6000	13200
	19200	1152	678	4.5	200	350	4	1485	315	250	6000	13200
GIB 52.12-250	10800	648	381	4.5	90	250	4	1485	250	138	5500	12100
	13800	828	487	6	150	350	4	1485	250	180	5500	12100
	17700	1062	625	8	200	350	4	1485	250	214	5500	12100
	21700	1302	766	10	200	350	4	1485	315	244	6000	13200
GIB 52.13-250	15600	936	551	10	150	350	4	1485	250	188	5500	12100
	18500	1110	653	12	150	350	4	1485	250	210	5500	12100
	21300	1278	752	14	200	350	4	1485	250	232	5500	12100
	22800	1368	805	15	250	350	4	1485	315	240	6000	13200
BK 23 – BK 52 SERIES, MODEL GIB 23, GIB 26 AND GIB 52, 200 - 420 bar [3]												
GIB 23.5-37	2400	144	85	10	200	400	4	1140	37	32	1180	2600
	2850	171	101	12	200	400	4	1140	37	35	1180	2600
GIB 26.12-160-420	8400	504	297	7.5	200	400	4	1485	160	107	3420	7540
	10800	648	381	10	200	400	4	1485	160	128	3420	7540
GIB 52.12-315-420	16400	968	579	7.5	200	400	4	1485	315	214	6000	13200
	21700	1302	766	10	200	400	4	1485	315	256	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.	Motor-power	Power-consumption[1]	Net weight approx.	
	l/min	m³/h	cfm	bar	bar	bar		rpm	kW	kW	kg	lbs
BK 23 – BK 52 SERIES, MODEL GIB 26 AND GIB 52, 420 – 520 BAR [3]												
GIB 26.5-160-520	8400	504	297	7.5	200	500	4	1485	160	113	3420	7540
	10800	648	381	10	200	500	4	1485	160	136	3420	7540
GIB 52.5-315-520	16400	986	579	7.5	200	500	4	1485	315	226	6000	13200
	21700	1302	766	10	200	500	4	1485	315	272	6000	13200

1 VVolume flow rate according to ISO 1217; power consumption at max. final pressure under defined framework conditions, 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

B 160 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

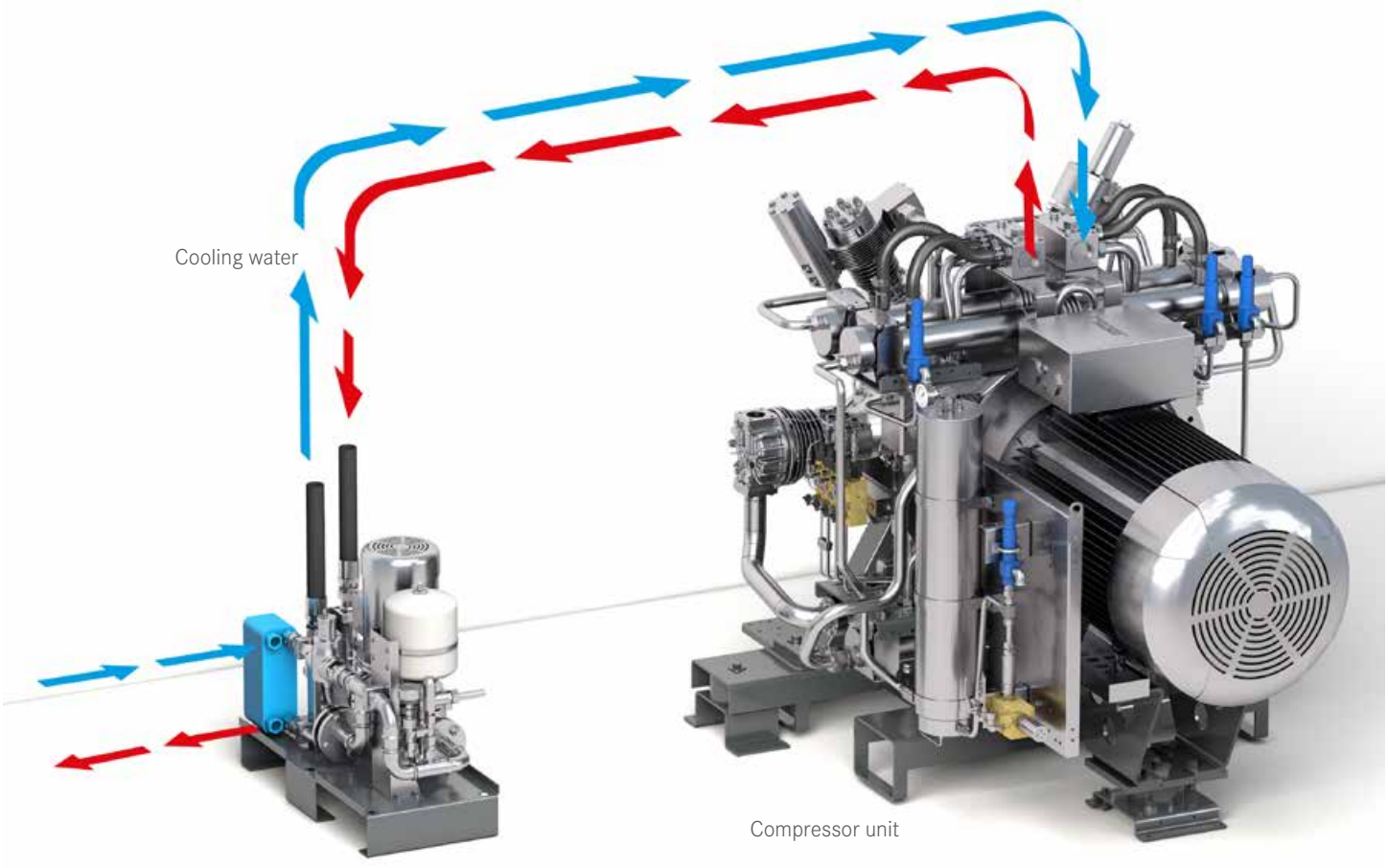
Hybrid cooling combines all the advantages of air and water cooling. As in a motor vehicle, the block itself is primarily water-cooled: this is done deliberately with heat dissipation in mind. A heat exchanger is connected to cool the cooling water with ambient air.

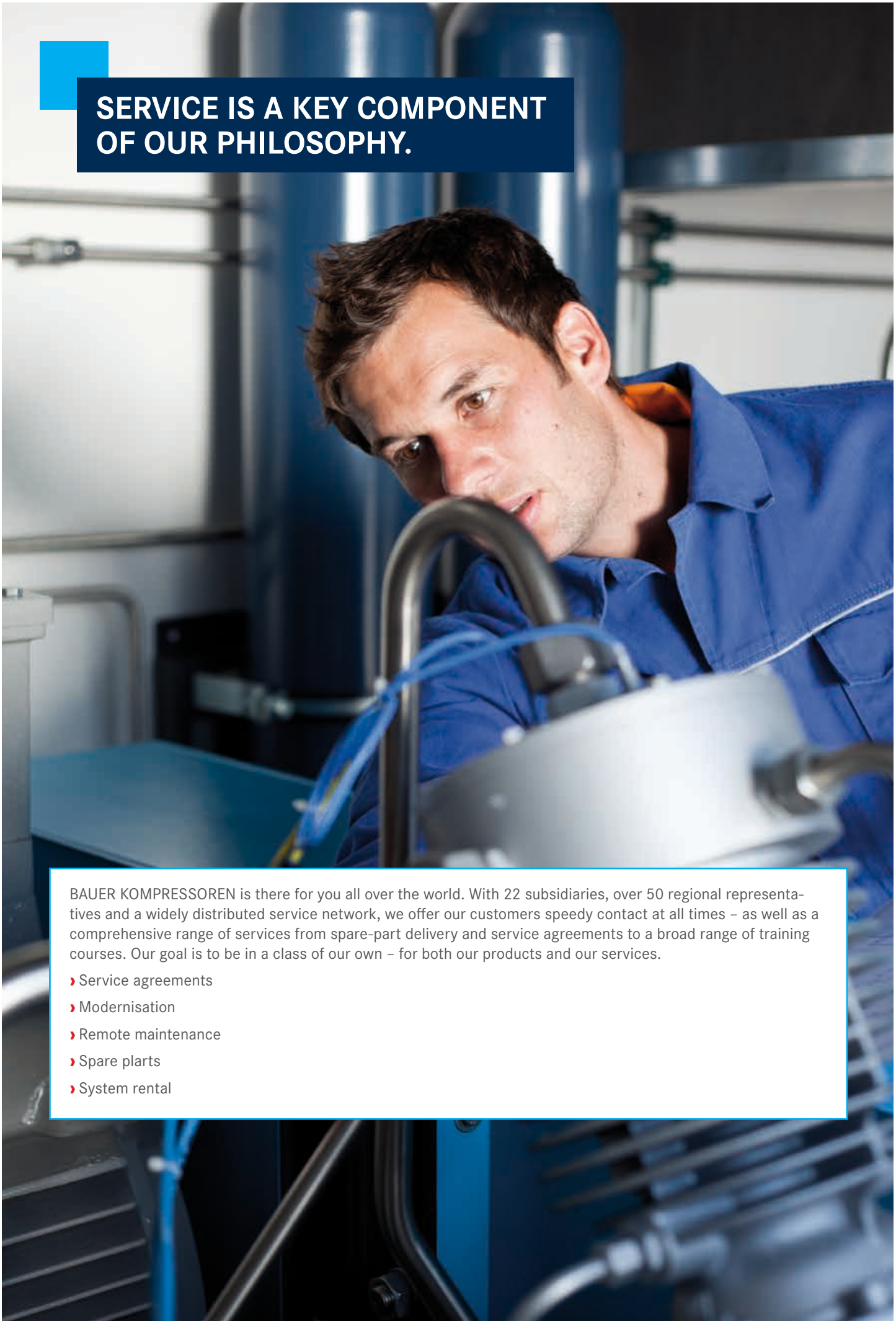
This system is independent of an on-site cooling water supply and can even be installed in locations where there is no cooling water or the supply of cooling air available for the compressor is limited.

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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N39771
04.2020