BAUER KOMPRESSOREN

Quality. Our DNA

BAUER ACCESSORY SYSTEMS

THE IDEAL ENHANCEMENT TO YOUR COMPRESSOR

BREATHING AIR

INDUSTRY

80 1946 – 2026 BAUER KOMPRESSOREN

BAUER SETS NEW STANDARDS. AGAIN AND AGAIN.

Since its foundation, BAUER KOMPRESSOREN has aimed for leadership in the field of medium and high-pressure compression technology. Our products, and the BAUER accessories that are optimised for them, set new standards in quality and innovative design.

Achieving this goal again and again requires the seamless interaction of many factors. The process starts at the research and development stage in our Engineering Centre, where new products undergo a battery of tests in our in-house quality testing facility. All the results and experiences gained from these tests are immediately incorporated into the development of new products.

The result? Our range of compressors and matching accessory systems, featuring an innovative design, cost-effectiveness and quality that have earned them an outstanding global reputation. BAUER has set new standards. From its earliest beginnings to the present day. Make the most of this know-how and allow this exceptional expertise to benefit your company too.

FOR MORE INFORMATION

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

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SYSTEM SETUP

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3. High-pressure compressor
4. B-KOOL
5. B-DETECTION PLUS
6. B-DETECTION AIRBOX
7. External filling panel
8. External display
9. Automatic selector unit
10. Storage cylinder
11. High-pressure reducing station
12. B-CLOUD

B-AEROGUARD

RELIABLY REMOVES CO_2 FROM BREATHING AIR

The intake air of the compressor is routed through the B-AEROGUARD via an ingenious bypass system. This enables the CO_2 content to be reduced to one-third of that of the intake air, with B-AEROGUARD-OX version for NITROX membrane units the initial value can even be reduced up to 20%.

The air is humidified in the base of the tank, optimising filter efficiency and significantly extending filter life.

NEW! As an option, a lever can be used in conjunction with B-DETECTION PLUS to precisely adjust the CO_2 reduction – thereby extending the filter's service life.

FEATURES

- **CO_2 – removal/reduction**
- **Economical operation**
- **Flow rate 100 – 1,500 l/min**

DESIGNATION / SIZE	SUITABLE FOR FREE AIR DELIVERY RATES[1]	DIMENSIONS (W × D × H)	OPERATING WEIGHT[2]
max. 330 bar	l/min	mm	kg
BREATHING AIR			
B-AEROGUARD Single	100 – 680	50 x 46 x 72	26
B-AEROGUARD Duo	650 – 1.000	85 x 62,5 x 87	26
NITROX			
B-AEROGUARD-OX Single	260 – 550	50 x 46 x 72	26
B-AEROGUARD-OX Duo	550 – 700	85 x 62,5 x 87	26

SUITABLE FOR			DESCRIPTION
Medium	l/min	Max. CO_2-inlet concentration	
ADJUSTABLE CO_2 REDUCTION VIA A LEVER FOR THE B-AEROGUARD SINGLE			
Air	100 – 650	1,000 ppm	Only available in combination with B-DETECTION PLUS i or B-DETECTION PLUS s!
Air	650 – 1.000	750 ppm	Only available in combination with B-DETECTION PLUS i or B-DETECTION PLUS s!
Nitrox	100 – 550	2,000 ppm	Only available in combination with B-DETECTION PLUS i or B-DETECTION PLUS s!
ADJUSTABLE CO_2 REDUCTION VIA A LEVER FOR THE B-AEROGUARD DUO			
Air	650 – 1,250	1,000 ppm	Only available in combination with B-DETECTION PLUS i or B-DETECTION PLUS s!
Air	1,250 – 1,500	750 ppm	Only available in combination with B-DETECTION PLUS i or B-DETECTION PLUS s!
Nitrox	600 – 700	2,000 ppm	Only available in combination with B-DETECTION PLUS i or B-DETECTION PLUS s!

1 Free air delivery of the connected compressor measured with cylinder filling from 0 – 200 bar ± 5%, 10 l cylinder.

2 Includes filter cartridge and 10-litre water ballast.

1. Air inlet
2. Partial air stream (main stream)
3. Water
4. Fill level indicator
5. Granules
6. Partial air stream (bypass)
7. Air outlet

B-AEROGUARD

FURTHER INFORMATION

› **Cost-effective operation**
At flow rates of up to 1,000 l/min, the service life of the filter cartridges is approximately 50 hours before they need to be replaced. If the compressor's output is lower, the service life of the filter cartridge is extended accordingly.

› **Adjustable version**
Optional ist eine einstellbare Variante des B-AEROGUARD verfügbar. Hierfür ist zusätzlich die Nutzung eines kontinuierlichen Gasmesssystems, also die B-DETECTION PLUS i oder s, notwendig. Zeigt das kontinuierliche Gasmesssystem B-DETECTION PLUS i oder s eine Unterschreitung des maximalen CO_2-Normwerts an, kann über den Hebel am B-AEROGUARD die Blende weiter geöffnet werden. Dadurch strömt mehr Luft direkt in den Kompressor, ohne durch die Filterpatrone zu laufen und die Patronenstandzeit erhöht sich entsprechend erheblich.

+300% increase in cartridge service life possible!

B-VIRUS FREE

REMOVES VIRUSES, BACTERIA, MOULDS AND POLLEN FROM BREATHING AIR

Free of chemicals and ozone, the patent-pending B-VIRUS FREE system uses a special UVC light source to destroy the described pathogens in the air flow of the intake air before they can get into the compressor.

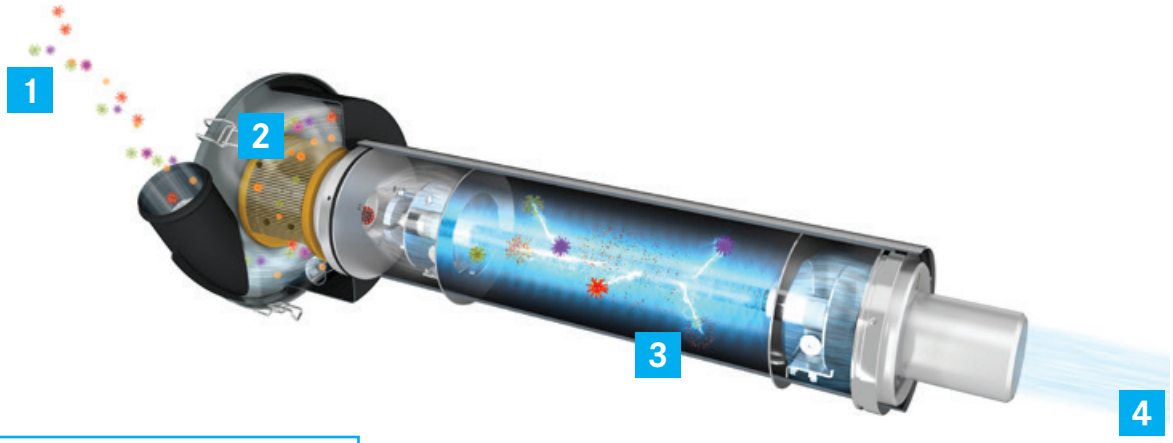
B-VIRUS FREE Mobile

FEATURES

- **Inactivation of viruses, bacteria, mould and pollen[1]**
- **Can be retrofitted to all BAUER compressors**
- **Flow rate 100 – 850 l/min**

1 The B-VIRUS FREE Filter inactivates a minimum of 99.9% of the SARS CoV-2 virus. Inactivation rates for further viruses, bacteria and moulds are type-dependent.

B-VIRUS FREE		
	Units	Values
APPLICATION		
Pressure range	bar	atmospheric
Permissible compressor FAD	l/min	100 - 850
FUNCTIONS		
Required warm-up	s	60
Visual signal	-	Fault warning lamp
Acoustic signal	-	Beeps in case of fault
TECHNICAL DATA		
Permissible operating temperature range	°C	+5 ... +40
Operating voltage	V	220 - 240; optional: 110
UV lamp service life	-	2,000 h or every 2 years



1. Ambient air
2. Textile filter
3. UV light source
4. Cleaned breathing air
5. Control and display

Fraunhofer IPA TESTED® DEVICE
BAUER KOMPRESSOREN GmbH
B-VIRUS FREE-459
Report No. BA 2012-1196

HOW THE B-VIRUS FREE PROTECTIVE FILTER SYSTEM WORKS:

1. **Ambient air with impurities**
   Suction of ambient air by negative pressure of the compressor.
2. **Textile filter**
   Removes dirt and pollen.
3. **UV light source**
   Destruction of the genetic material of pathogens by high-energy UV-C light with a wavelength of 254nm.
4. **Cleaned breathing air**
   Harmless air that is free from viruses, bacteria, mould and pollen. Ready for compression.
5. **Control and display**
   For functional monitoring and control of the UV special light source. LEDs and a beeper provide information about the operating status.

B-KOOL

SIGNIFICANTLY LONGER FILTER CARTRIDGE LIFE

B-KOOL Refrigeration Dryer cools the compressed air and separates out most of the moisture, collecting it in the B-KOOL and thus preventing it from passing into the filter cartridge.

Particularly in environments with high ambient temperatures, the B-KOOL refrigeration dryer extends filter capacity to an outstanding extent.

The B-KOOL can either be installed on the Super Silent housing of the MINI-VERTICUS, VERTICUS and PE-VE series or outside the unit on a frame for floor-mounted installation or using a wall mount.

THE SMART WAY TO SAVE COSTS AND HELP THE ENVIRONMENT!

B-KOOL III

B-KOOL-Control

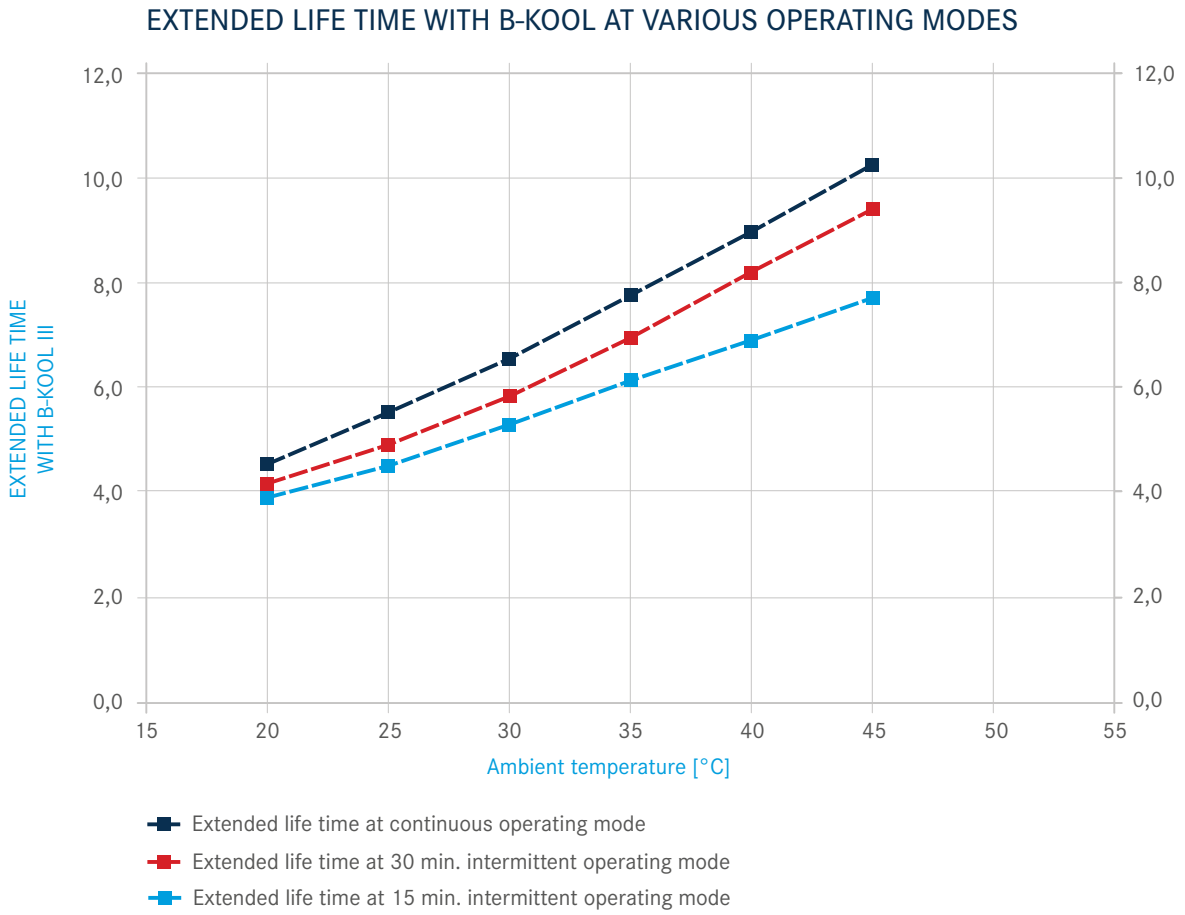
B-KOOL III on top of VERTICUS

HOW THE B-KOOL REFRIGERATION DRYER WORKS

1. The air saturated with moisture is fed out of the final separator of the compressor into the B-KOOL refrigeration dryer.
2. In the high-efficiency cooling unit, the temperature of the compressed air, and thus its pressure dew-point, are reduced. For reasons of physics, the cooled air is no longer able to store the moisture content and the oil and water vapour condenses.
3. The condensate is collected in the integrated separator and thus does not enter the filter cartridge.
4. The condensate is discharged into the compressor unit‘s collecting container via the automatic condensate drain.
5. The cooled and dried air is fed into the purification system by the B-KOOL refrigeration dryer.
6. The B-KOOL control monitors the function of the integrated cooling technology and controls the condensate drain valve of the automatic condensate drain.

POTENTIAL FOR COST SAVINGS

The following diagram illustrates the huge potential for savings when the B-KOOL refrigeration dryer is used.



Service life calculated for P 61 purification system with B-SECURUS in conjunction with a BAUER compressor; based on 225 bar final pressure (185 bar average filling pressure). Service lifes will vary under other operating conditions and with different filling pressures.

TECHNICAL DATA

MODEL	B-KOOL III
Medium	Compressed air & nitrox (up to 40% O_2)
Ambient temperature	+5 °C to +45 °C
Refrigerant	R 290 (Propan)
Compressed air infeed temperature	max. 60 °C
Max. operating pressure compressed air	350 bar/550 bar
Min. operating pressure compressed air	100 bar
Permissible free air delivery, compressor	200 - 700 l/min (10 l cylinder filling from 0-200 bar, breathing air) 200 - 650 l/min (according to ISO 1217, air) 200 - 420 l/min (helium and argon)
Power supply	200 - 240 VAC 50 Hz (single phase) 200 - 240 VAC 60 Hz (single phase)
Power consumption	max. 550 W at 50 Hz, 600 W at 60 Hz

PX-FILTER

PX-FILTER

BAUER PX series of medium and high-pressure coalescing and active charcoal filters are designed to remove particulates, oil droplets and aerosols. They are suitable for air, nitrogen, helium, argon and other gases. Various air/gas quality standards in accordance with ISO 8573 up to class 1 can be produced depending on the filter type and filter combination.

- **Pressure range: 25 – 420 bar**
- **Charging rate: up to 2,340 m³/h**

P-PURIFICATION SYSTEMS

In use all over the world for the treatment of breathing air, industrial air, nitrogen, helium, argon and methane.

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

Depending on the filter cartridge type, residual humidity and oil vapours are reliably removed from the compressed air or gas. Toxic carbon monoxide (CO) can optionally be converted into carbon dioxide (CO_2). As the content of CO_2 is low, the CO_2 concentration increases only slightly.

BAUER's rigorous quality management processes ensure that each and every P filter cartridge complies with the strict quality standards.

OPTIONS

- **B-TIMER Filter Cartridge Monitoring System**
  B-TIMER displays operating times and calculates remaining filter life.

- **B-SECURUS Filter Cartridge Monitoring System**
  continuously measures filter cartridge moisture saturation and displays a timely warning when the cartridge needs to be replaced.

FEATURES

- **Optimises air and gas quality**
- **85 up to 3,500 l/min**
- **90 - 350 bar/420 bar/550 bar**

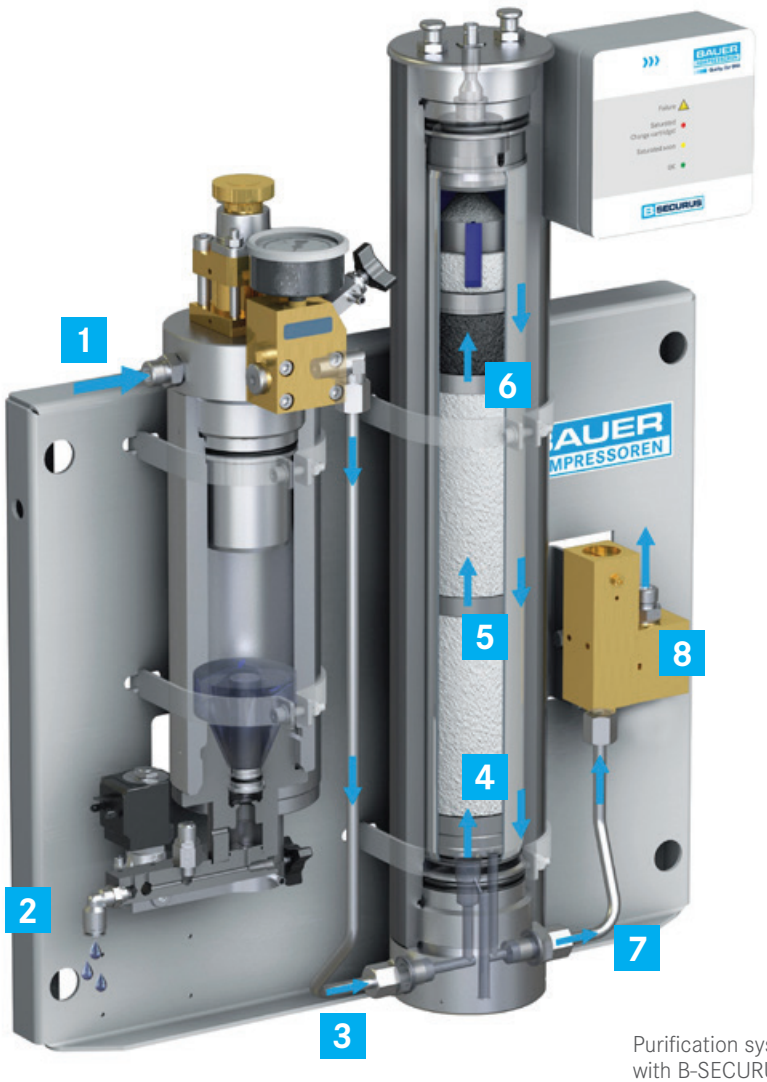
SOPHISTICATED TECHNOLOGY FOR OUTSTANDING AIR AND GAS QUALITY.

A look inside a P-Purification system clearly reveals the outstanding expertise in engineering design demonstrated by BAUER to ensure that only pure air and gases leave the filter housing.

Purification System P 100 with SECURUS, automatic condensate drain system and CO conversion.

PURIFICATION SYSTEM	FLOW RANGE	PRESSURE RANGE	NUMBER OF FILTERS
	l/min	bar	
P40/350-W	550	90 - 350	1
P60/350-W	850	90 - 350	1
P80/350	930	90 - 350	2 (3) [1]
P80/420	930	90 - 420	2 (3) [1]
P80/500	1500	420 -550	2 (3) [1]
P100/350	1000	90 - 350	3 (4) [1]
P100/420	1000	90 - 420	3 (4) [1]
P120/350	2200	90 - 350	2 (3) [1]
P140/350	3500	90 - 350	3 (4) [1]

1 Additional filter for treatment systems with CO conversion



Purification system P 40/350-W for wall mounting with B-SECURUS monitoring unit

BAUER KOMPRESSOREN IS A CERTIFIED MANUFACTURER OF PRESSURE EQUIPMENT UP TO CATEGORY 4 UNDER THE EU PRESSURE EQUIPMENT DIRECTIVE PED2014/68/EU.

HOW THE P-PURIFICATION SYSTEM WORKS

1. The compressed air is delivered to the final separator, which separates out oil and water droplets.
2. The condensate from the oil- and water droplets is collected at the bottom of the filter housing and is removed via the condensate drain valve.
3. The pre-purified air flows from the bottom of the vessel through the molecular sieve, which adsorbs the remaining gaseous water.
4. The molecular sieve is aligned perfectly to the purification system to ensure optimum purification of the air or gas.
5. The particle filter discs retain all coarse impurities.
6. An activated carbon layer reliably binds harmful organic impurities such as oil vapour and hydrocarbon compounds.
7. Pure air or gas leaves the filter cartridge.
8. The pressure maintaining valve keeps the filter housing continuously under pressure, significantly increasing both the service life of the filter housing and operating safety.

SECCANT

REGENERATION DRYERS FOR AIR AND GAS

The regeneration dryers in the SECCANT series by BAUER KOMPRESSOREN for the pressure range 25 - 420 bar are designed to dry air and gases in applications involving high operating hours, free air delivery rates and ambient temperatures.

OPTIONS

- **The B-SECURUS filter monitoring system** monitors the saturation of the filter cartridge with moisture.
- **Oil removal:** The regeneration dryer is eqipped with an additional filter vessel containing activated carbon, which removes oil vapor and hydrocarbons.
- **The regeneration dryer** features an integrated dew point monitor which continuously measures and displays the humidity of the compressed air.
- **The gas-tight model** is designed for loss-free treatment of noble gases.
- **CO conversion:** Toxic carbon monoxide (CO) in the air is converted into carbon dioxide (CO_2). As CO levels in air are low, the increase in CO_2 concentration is minimal.

FEATURES

- **Safe continuous treatment of air and gas**
- **Pressure dew point -20°C, -40°C or -55°C**
- **25 - 420 bar**

SECCANT x/x

FURTHER INFORMATION

- The compressed air or gas is continuously dried in two drying chambers working in parallel – one in drying mode, the second in regeneration mode.
- The use of a dedicated control as standard for the regeneration dryers in the SECCANT series means that the dryers are able to operate independently of the compressor control.

SECCANT III-A

1. Air/gas inlet
2. Condensate separator
3. Change-over module
4. Drying chambers
5. Oil removal filter/B-SECURUS
6. Particle filter
7. Air/gas outlet with pressure maintaining valve
8. B-CONTROL

TYPE	FLOW RANGE	PRESSURE RANGE
	l/min	bar
SECCANT III	500 - 1500	90 - 420
SECCANT IV	1500 - 3500	90 - 400
SECCANT x/x	1000 - 30000	25 - 420

HIGH-PRESSURE STORAGE SYSTEM

ESSENTIAL ELEMENTS OF YOUR SYSTEM

These high-performance storage systems support the short-term availability of large quantities of air and gas and allow a fluctuating air consumption.

At the same time, a carefully selected storage module optimizes runtime of the compressor and also serves as a pulsation damper.

The storage systems are available in pressure stages of 330, 350 and 420 bar. They can be expanded as required by adding 50 or 80 l storage cylinders.

The storage system should be dimensioned to guarantee that the compressor operates continuously for a minimum period of 15 to 30 minutes.

High-pressure storage cylinder bank

Storage system 2 x B80 for 330 bar

FEATURES

- **330/350/420 bar**
- **50 l and 80 l cylinders**
- **Extendable as required**

B-SELECT

OPTIMISED FILLING PROCESS

The automatic selector unit B-SELECT enables air cylinders to be filled quickly and simultaneously in parallel from a storage system (buffer) and via the compressor.

The storage cylinder connected to the filling panel takes priority for filling, i.e. the storage system and the compressor always start by filling the breathing air cylinders at the filling panel.

Once these cylinders have been filled completely, the storage system is topped up by the compressor.

When the maximum filling pressure is reached in the storage system, the compressor shuts down again entirely automatically. As soon as the next empty air cylinder is connected to the filling panel, the fully automatic filling cycle starts again from the beginning.

Automatic selector unit B-SELECT

B-SAFE 300

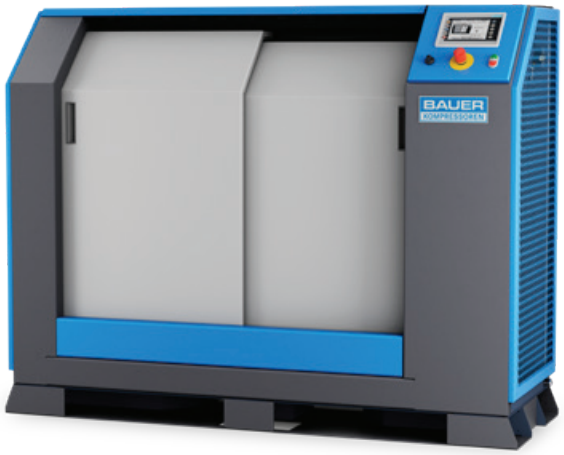
TAKING FILLING SAFETY TO A NEW LEVEL

B-SAFE 300 – Uncompromising safety for persons and compressor rooms when filling pressure cylinders.

The stationary safety filling station controls the filling speed of the breathing air cylinders for diving or respiratory applications[1]. The cylinders are placed in the B-SAFE 300 and attached to the fill valves. The integrated filling control system then begins the filling process, automatically locking the doors to eliminate the chance of operating errors.

If an incident occurs during filling – such as explosion of a pressurised cylinder – the welded steel safety chamber contains the metal fragments and allows the pressure wave to dissipate through grilles on both sides and in the top cover.

The B-SAFE thus replaces costly protective measures for filling facilities and provides operators with a high level of (legal) security.



B-SAFE 300 Safety filling system

FEATURES

- **Explosion-proof filling chamber**
- **6 to 10 cylinders can be filled at the same time**
- **Operating pressure up to 410 bar**
- **Optional: simultaneous filling of 225/330 bar**

TECHNICAL DATA

PARAMETERS	DATA
Maximum operating pressure	410 bar
Filling pressures (up to 2)	225/330 bar
Variable pressure rise	20 – 50 bar/min
Number of fill posts	Maximum 10

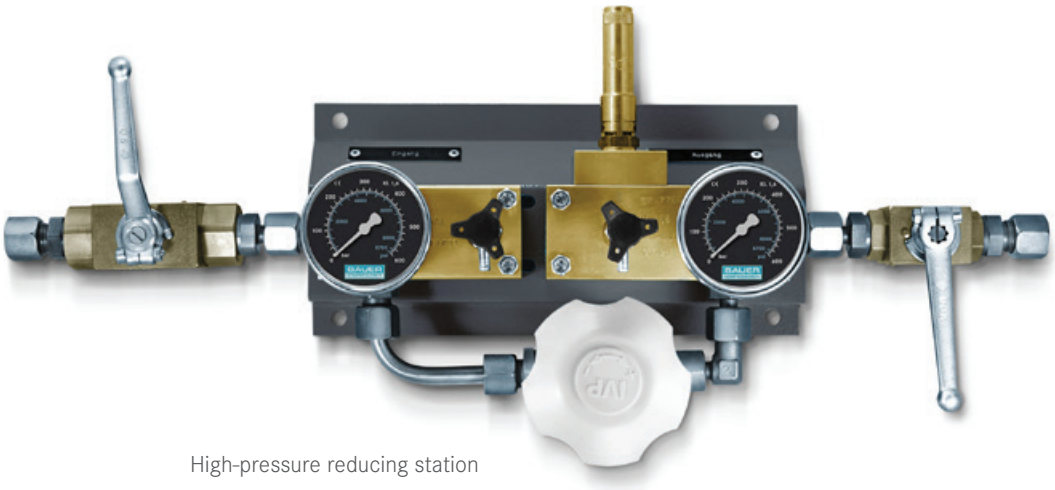
1 Optional equipment.

HIGH-PRESSURE REDUCING STATION

FOR OUTSTANDING QUALITY AND FUNCTION

BAUER KOMPRESSOREN high-pressure reducing stations provide you with turnkey enhancements for your storage system. Upstream pressure fluctuations in the storage system are adjusted to provide reduced and consistent output pressure.

Equipped with high-quality pressure reducers, pressure gauges, ball valves and safety valve, they are quick and easy to install and provide outstanding operational reliability.



High-pressure reducing station

INLET PRESSURE, MAX.	OUTLET PRESSURE, ADJUSTABLE [1]	COMMENT
bar	bar	
365 bar	5 - 40 bar	
365 bar	41 - 100 bar	
365 bar	101 - 220 bar	
365 bar	221 - 350 bar	
465 bar	34 - 241 bar	Stainless steel design
365 bar	41 - 230 bar	Increased flow

[1] The output pressure should only ever be set once (no scope for permanent changes) Other designs on request. Fluctuations in primary pressure may result in minor fluctuations in secondary pressure for technical reasons.

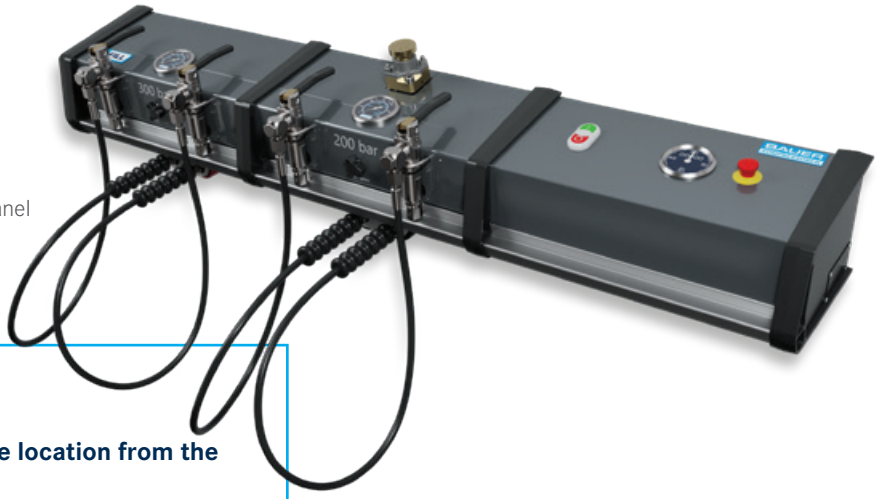
EXTERNAL FILLING PANELS

The BAUER B-FILL external filling panel – now with a stylish new design – allows you to quickly fill breathing air cylinders. The B-FILL is now modularly expandable and can even be retrofitted. Each module is equipped with two filling connectors, as desired either with hoses or direct connections, both of which can fill at up to 200, 300 or 500 bar.

For optional control and monitoring of the system, a B-CONTROL MICRO can be installed in an additional B-FILL module. Units without a B-CONTROL can be fitted with a simple hardwired control with On and Off switching and an Emergency Stop button. Up to four (4) B-FILL modules can be combined, three for filling and one with a control system.

OPTIONS

- Flow rate limiter for controlled filling of breathing air cylinders (e.g. composite cylinders).
- Remote operating panels or external B-CONTROL display for remote compressor activation, deactivation and monitoring.
- Filling panel made from stainless steel.



B-FILL external filling panel

FEATURES

- **Suitable for wall mounting at separate location from the compressor**
- **Hose or direct filling valves**
- **PN 200, PN 300, PN 500 or combined pressure ranges possible**

NUMBER OF MODULES	DIMENSIONS (L × W × H)
	mm
1 module with hose coupling	440 × 240 × 180
1 module with direct filling valve	440 × 288 × 171
2 modules with hose coupling	840 × 240 × 180
2 modules with direct filling valve	840 × 288 × 171
3 modules with hose coupling	1240 × 240 × 180
3 modules with direct filling valve	1240 × 288 × 171

EXTERNAL DISPLAYS

BAUER KOMPRESSOREN external display units are attractive and practical solutions for remote compressor operation – even over long distances. The compact metal housing is designed for wall mounting. The information in the brilliant colour display is available in numerous common languages.

FEATURES

- **B-CONTROL MICRO and B-CONTROL III control units available as external versions**
- **Full scope of B-CONTROL functions**
- **Suitable for retrofitting**

External
B-CONTROL MICRO display

B-CONTROL SUPERIOR

B-CONTROL SUPERIOR

HIGHER-LEVEL CONTROL UNIT FOR INTERCONNECTED OPERATION

B-CONTROL SUPERIOR is a separate control unit for interconnected operation of up to five compressors plus SECCANT for pressure-dependent base and peak load operation. The connected compressors are controlled selectively depending on air output needs.

The individual compressors are activated in turn for base loads, ensuring even distribution of operating periods.

As a rule, the B-CONTROL SUPERIOR can be retrofitted to existing compressor units.

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.

AEROTEST

TO MEASURE THE PURITY OF BREATHING AIR

The AEROTEST SIMULTAN HP portable breathing air tester enables you to measure your breathing air simply and rapidly – wherever you are.

Tester tubes simultaneously and accurately measure compliance with the concentration limits for CO, CO_2 and water vapour in the compressed air. The oil content is detected by using the oil impactor.

FEATURES

- **Reliable and accurate measurement of CO, CO_2 and H_2O**
- **Detection of mineral and synthetic oils**

AEROTEST

B-DETECTION PLUS

GAS MEASUREMENT SYSTEMS FOR ALL REQUIREMENTS

B-DETECTION PLUS gas measurement systems are designed for continuous reliable monitoring of air or gas quality.

Select the model that matches your needs: integrated into the compressor, as standalone system for retrofitting, or our mobile system for verifying the air quality of your breathing air cylinders or similar, regardless of location.

If the limits of CO, CO_2,O_2 and optionally absolute humidity and total oil value[1] specified – e.g. in the DIN EN 12021:2014 standard – are exceeded, the compressor automatically shuts down, ensuring that only pure breathing air ends up in your breathing air cylinder!

FEATURES

- **Verified air quality in breathing air cylinders or directly at the filling unit**
- **Can be used with rechargeable batteries**
- **Measures CO, CO_2 and O_2**
- **Absolute humidity and total oil value (VOC) monitoring optional[1]**

B-DETECTION PLUS m

In addition to allows a mobile analysis of the breathing air gases on site using a pressure reducer. Packed in a sturdy plastic case.

B-DETECTION PLUS m

1 Total oil measurement based only on volatile organic compounds (VOCs). Sensor calibration based on isobutene.

B-DETECTION PLUS s and i

The professional solution: B-DETECTION PLUS for measuring continuously CO, CO_2 and O_2 with optional functions for absolute humidity and total oil value (VOC)[1]. High-quality sensors automatically report the necessary calibration point and end of cartridge life.

Available in two versions: Integrated into a stationary BAUER compressor[2] showing gas measurement values on the compressor system display, or as a standalone model for all other BAUER compressors and for retrofitting to your existing compressor.

B-DETECTION PLUS s

FEATURES

- **Continuous measurement**
- **Measurement of CO, CO_2, O_2, absolute humidity and total oil value (VOC)[1]**
- **Smart sensors: display flags up necessary calibration and end of life**
- **All measurement values can be logged using the B-CONTROL MICRO and exported to an SD card as Excel files. As the system operator, this provides you with a high level of legal certainty.**

In the event of sudden short-term contamination, an optionally available purge valve can automaticall expel the contaminated air to the outside.

BAUER Online Gas Measurement Systems provide system operators with a high level of quality assurance and legal certainty. B-DETECTION PLUS systems can easily be retrofitted to your existing BAUER Compressor!

- **NEW!** Measurement of gases and breathing air up to 420 bar possible
- **NEW!** Measurement directly in the intake hose to analyse the air actually absorbed
- **NEW!** Possibility to measure breathing air cylinders with B-DETECTION PLUS i, s and m
- **NEW!** The B-DETECTION PLUS is now also B-APP and B-CLOUD compatible

For detailed information on our gas measurement systems, see our B-DETECTION PLUS- The next generation online gas measurement systems“ product brochure.

1 Total oil measurement based only on volatile organic compounds (VOCs). Sensor calibration based on isobutene.
2 Currently available for MINI-VERTICUS, VERTICUS and PE-VE compressors

INTERESTED IN OUR PRODUCTS?

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

BAUER KOMPRESSOREN GmbH
Stäblistr. 8
81477 Munich, Germany
Tel. +49 (0) 89 78049-0
Fax +49 (0) 89 78049-167
info@bauer-kompressoren.de
bauer-kompressoren.de

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May be subject to technical changes