BAUER KOMPRESSOREN

Quality. Our DNA

MINI-VERTICUS & VERTICUS THE NEXT GENERATION

COMPRESSORS FOR SPORTS & SAFETY APPLICATIONS

80 1946 – 2026 BAUER KOMPRESSOREN

SPORTS & SAFETY

MINI-VERTICUS & VERTICUS

STATIONARY COMPRESSORS – REINVENTED

The new MINI-VERTICUS & VERTICUS Series set the standards of the future for stationary high-pressure compressor systems. The series combines the quality and reliability of the preceding stationary compressor series with an all-new design, B-CLOUD capability, online air quality monitoring and outstanding ergonomic features.

The new, extremely compact MINI-VERTICUS benefits particularly from BAUER's signature design, which enabled the maximum delivery volume of its top-end model to be increased by 20 percent to 320 l/min.
In addition, numerous accessory models from the larger VERTICUS series, such as the B-CONTROL III control unit, are also available now.

With an ultra-reliable, high-precision smart internal online measurement system that monitors compliance with all toxin limit values[1] in the air and automatically shuts down the system in case of doubt.

Significantly quieter to run. And with outstandingly ergonomic design and unparalleled ease of operation.

- **220 to 420 bar**
- **150 to 680 l/min**
- **Available with open or soundproofed housing**

1 According to DIN EN 12021:2014.
Measurement of humidity and total oil value (VOC) as option. Total oil measurement based only on volatile organic compounds (VOCs). Sensor calibration based on isobutene.

REMOTE ACCESS

With the B-CONTROL MICRO and the B-CLOUD connection, you can monitor, analyse and optimise your system from a distance. Utilise the power of the cloud.

CONTINUOUS AIR MONITORING

B-DETECTION PLUS i is the new fully integrated gas measurement system that monitors the quality of the breathing air produced by the system. Automatic, continuous and outstandingly reliable.

ICONIC DESIGN

The groundbreaking design sets new standards. All the main operating elements and displays are conveniently located on the front for maximum ease of access and viewing. The front panel can be opened with a single movement to change the filter rapidly and conveniently.

CONVENIENCE AND SAFETY

The filling levers feature a new easy-grip ergonomic design that also effectively prevents pressurised filling hoses from being opened by mistake when unconnected to gas cylinders.

EVEN QUIETER

The sophisticated soundproofing concept has reduced the already low noise level still further. The motor is suspended in an optimised anti-vibration frame and incorporates a new type of high-efficiency hydro-damping system.

B-CLOUD REMOTE ACCESS

B-CLOUD delivers a continuous real-time overview of all operating data from your BAUER compressor systems with B-CONTROL MICRO. If alerts or faults occur, you receive a push message on your smartphone if required.

B-CLOUD

STRESS FREE AND PERFECTLY ORGANISED - CLOUD SERVICES FROM BAUER

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.

ADDITIONAL FEATURES

› 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).

B CLOUD READY

DATA SECURITY

A fundamental aspect of the B-CLOUD[2] 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 The requirements for using B-CLOUD are: B-CONTROL MICRO +Net controller, software version 3.73 or higher, valid certificates for the connection, and a working internet connection.

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

Further information on the B-CLOUD can be found on our website: bauer-kompressoren.de/b-cloud

THE B-DETECTION PLUS

PERMANENTLY MONITORS THE QUALITY OF YOUR BREATHING AIR

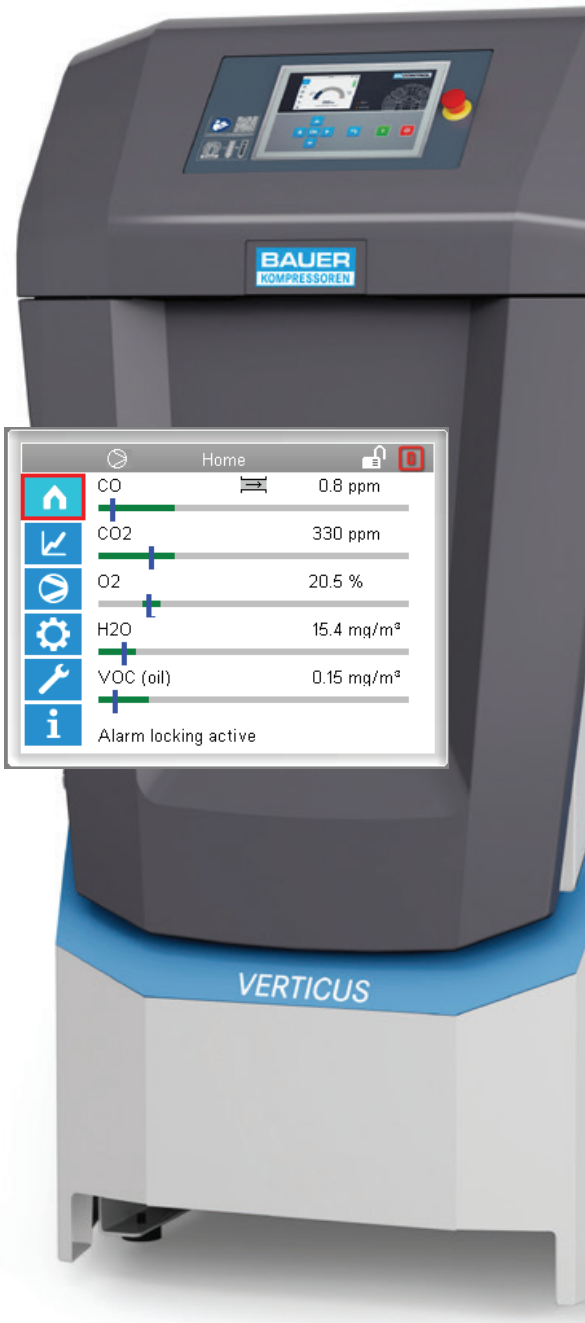
The optional fully integrated gas measurement system, B-DETECTION PLUS i, monitors the quality of the breathing air produced by the system. Automatic, continuous and outstandingly reliable. The optional humidity monitoring function takes over the function of B-SECURUS and allows lower-cost standard cartridges to be used.

The display of the B-CONTROL MICRO compressor control unit allows you to monitor compliance with the limit values of the DIN EN 12021:2014[1] Breathing Air Standard at all times. If limit values are exceeded, the control unit displays a visual warning and shuts down the system before contaminated air can pass into the cylinders being filled.

In cases where limit values are briefly exceeded, an automatic flush valve discharges contaminated air to the outside without interrupting operation of the system.

BAUER's B-DETECTION PLUS i provides operators with the maximum security concerning health and legal liability issues.

- **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 gas, easuring system is now also B-CLOUD compatible



- Measurement of O_2, CO, CO_2 and optional functions for absolute humidity and VOC[1] as per DIN EN 12021:2014
- The latest generation of B-DETECTION PLUS features an extended safety concept. The CO sensor is checked for proper functionality every 24 hours. In addition, the purge valve, flow rate and operating mode are monitored as well.
- Connection for test gases on front of the system to allow rapid, easy system testing

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

THE NEW SYSTEMS

SETTING NEW STANDARDS IN DESIGN, ERGONOMICS AND FUNCTION

“Form follows function”, the famous quotation from Mies van der Rohe, was our watchword during development of this new design.

The filter system is integrated into the housing, yet within easy reach; the top front panel with the control unit can be raised for immediate access to the purification system, so that changing the cartridge is simple and fast. As a further benefit, the filter housing is now located in the colder front area of the system and offers extended cartridge life. The control panel is also located on the side of the compressor for optimum cooling. The control panel can be fully extended for maximum convenience in operation.

The condensate vessel, now with 40 per cent higher capacity, is located in the interior of the compressor. It is emptied using a convenient service valve.

The new filling devices showcase the meticulous attention applied to every detail of the operating procedure; the filling levers feature a new easy-grip ergonomic design and functional holders that also effectively prevent pressurised filling hoses from being opened by mistake when unconnected to gas cylinders.

The new B-DRAIN automatic condensate drain system ensures that any oil/water condensate is extracted quietly with minimum loss of pressure. This prolongs the service life of pressurised parts and saves energy.

THE ACCESSORIES

SIGNIFICANTLY EXPANDS WHAT YOUR SYSTEM CAN DO

The new MINI VERTICUS & VERTICUS Series are supplied with a wide range of features as standard.

However, we also want you to have the opportunity to customise and extend your system in line with your individual requirements. Our comprehensive range of accessories opens up virtually unlimited possibilities. See our “Accessory Systems” brochure for a full overview of our products.

- **B-DETECTION PLUS s:** The new gas measurement system is also available as a standalone model for retrofitting, with the same range of features.
- **B-KOOL:** This fully integrated refrigeration dryer helps you to slash operating costs by significantly extending filter cartridge life. Purchase costs are soon recouped; from then onwards, you save money while helping to conserve the environment.
- **B-SECURUS filter cartridge monitoring unit:** Efficiently monitors filter cartridge saturation and warns the operator in good time when the cartridge is nearing the end of its service life. If the cartridge reaches full saturation without being changed, B-SECURUS shuts down the system before moisture and oil can contaminate the air cylinders.
- **Oil level monitoring function:** The optional oil level monitoring function effectively prevents damage to the compressor caused by excessively low oil levels. The function shuts down the system in time to avert damage and flashes a warning in the control unit display. Recommended for compressor systems in permanent operation.
- **Particulate filter:** In combination with the P41, P61 and P81 purification systems, an optional integrated particulate filter is available for effective protection against fine dust and other solid particles. This permits the reliable removal of particles in accordance with ISO 8573 class 2.

TECHNICAL DATA

Types	Charging rate [1]		Operating pressure max.		Purification system	No. of stages	Speed	Motor/motor output		Net weight approx.[2]	Dimensions L x W x H [3]
	l/min	cfm	bar	psig			rpm	Motor	kW	kg	cm
MINI-VERTICUS up to 350 bar											
MV150	150	5.3	350	5,000	P 41/350	3	1,340	400 V/50 Hz [4]	4	324	120 x 79 x 138
MV200	200	7	350	5,000	P 41/350	3	1,270	400 V/50 Hz [4]	4	324	120 x 79 x 138
MV250	250	9	350	5,000	P 41/350	3	1,470	400 V/50 Hz [4]	5.5	333	120 x 79 x 138
MV320	320	11.5	350	5,000	P 41/350	4	1,450	400 V/50 Hz [4]	7.5	350	120 x 79 x 138
MINI-VERTICUS up to 420 bar											
MV200/420	200	7	420	6,000	P 41/420	3	1,270	400 V/50 Hz [4]	5.5	330	119,5 x 79 x 137,2
MV250/420	250	9	420	6,000	P 41/420	3	1,470	400 V/50 Hz [4]	5.5	339	119,5 x 79 x 137,2
MV260/420	260	9.2	420	6,000	P 41/420	4	1,185	400 V/50 Hz [4]	5.5	349	119,5 x 79 x 137,2
MV320/420	320	11.5	420	6,000	P 41/420	4	1,450	400 V/50 Hz [4]	7.5	356	119,5 x 79 x 137,2
VERTICUS up to 350 bar											
V450	450	16	350	5,000	P 61/350	4	1,320	400 V/50 Hz [5]	11	402	120 x 79 x 153
V540	540	19	350	5,000	P 61/350	4	1,230	400 V/50 Hz [5]	11	402	120 x 79 x 153
V680	680	24	350	5,000	P 61/350	4	1,400	400 V/50 Hz [6]	15	416	120 x 79 x 153
VERTICUS up to 420 bar											
V450/420	450	16	420	6,000	P 61/420	4	1,320	400 V/50 Hz [5]	11	408	120 x 79 x 153
V560/420	560	19.7	420	6,000	P 61/420	5	1,490	400 V/50 Hz [5]	15	408	120 x 79 x 153

1 Measured in cylinder filling (10 l) from 0–200 bar, ± 5 %
2 Weight increases by approx. 50 kg in the Super Silent version
3 Dimensions without doors. Dimensions in Super Silent version:
VERTICUS: L x W x H: 155 x 81 x 153 cm
MINI-VERTICUS: L x W x H: 138 x 81 x 138 cm
4 Plug dimensions: 16 A
5 Plug dimensions: 32 A
6 Without plug

ARE YOU INTERESTED IN OUR PRODUCTS?

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

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Subject to technical change without notice