

B-CLOUD

REMOTE MONITORING & SUPPORT FOR YOUR BAUER SYSTEMS



STRESS-FREE, PERFECT ORGANIZATION

BAUER CLOUD SERVICES

BAUER B-CLOUD always keeps you in the picture. Tackling any challenge becomes a smoother and simpler task. One glance at your B-APP or B-CLOUD browser app, and you have an overview of all the most important information you need, whether you need to check the status of your systems or call in one of our experts over a more complex issue. We work with you to track down faults and solve your problem, wherever your physical location in the world. Top-class **condition monitoring!**

If your device develops a fault, B-APP sends you a push message with a **machine diagnosis** identifying exactly where the problem is. But things need never go that far; B-CLOUD informs you of upcoming regular maintenance works and can connect to your authorized BAUER service partner if desired. This service marks BAUER's entry into the **Internet of Things**, combining all the benefits of the Internet with BAUER's hallmark quality and reliability.

Archiving key data is also child's play, either in Excel form or as a universal PDF. You can also create automatic monthly reports to streamline your organization. Say goodbye to stress!

OVERVIEW OF BAUER SYSTEMS WITH B-CLOUD CONNECTION FUNCTION

To use B-CLOUD, you need a system with B-CONTROL MICRO +net control with software version 3.65 or higher. Older systems from version 3.73 can receive a software update and thus become B-CLOUD compatible. To check whether your systems are compatible with the B-CLOUD, you can easily find the current software number in the control unit.

At present, the following BAUER systems are B-CLOUD ready:

- › MINI-VERTICUS & VERTICUS
- › PE-VE
- › KAP-H / KAP-HN
- › B-DETECTION PLUS s (gas measurement system)
- › Air-cooled large-scale systems (K22-K28)
- › And more



DATA SECURITY

An integral part of B-CLOUD¹ involves ensuring the security of compressor systems and the data they transmit. Particularly rigorous protection applies to compressor authentication, communication and identification. End-to-end encryption is in place for all data transmitted between control unit and cloud.

¹ All data stored in B-CLOUD is stored in a high-security data centre located in Western Europe. B-CLOUD complies with the requirements set out in the EU-GDPR and uses SSL encryption.

OVERVIEW – YOUR BAUER SYSTEMS

Release	S/N #	Name #	Online #	Status #	Location #	Actions
<input type="checkbox"/>	9990023	VERTICUS			Wachen, Germany	
<input checked="" type="checkbox"/>	lcomp001	MINI-VERTICUS			Zagreb, Croatia	
<input checked="" type="checkbox"/>	lcomp004	Kompressor			Karabolan, Indonesia	
<input checked="" type="checkbox"/>	lcomp009	PE-550-VE			Wien, Austria	

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Display in B-CLOUD: See the current status of your system at a glance!

System access shared with BAUER service partner

Connection to B-CLOUD active

Red: System fault
Yellow: Operating message, e.g. warning of imminent filter cartridge saturation

Display of the current home screen of your BAUER compressor

MV200

Final pressure 1

270 bar start
300 bar stop

277 bar

069086

Messages

- Emergency off pressed
- Gas sensor testing due
- System check due
- Visual and tightness test

Final Pressure vs. Time

24:00:00
9990023

Final pressure 1

Final pressure 1.L

Final pressure 2

Final pressure 2.L

Status

Up to 90 days' access to key system data diagrams

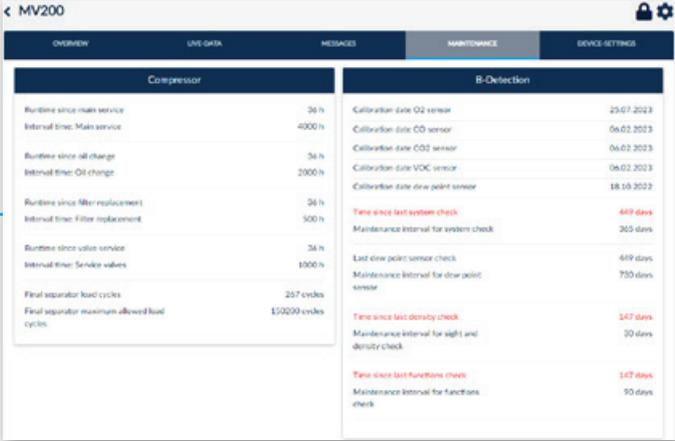
ADD YOUR B-DETECTION PLUS GAS MEASUREMENT SYSTEMS TO B-CLOUD



The screenshot shows the 'B-DETECTION' live data interface with the following values:

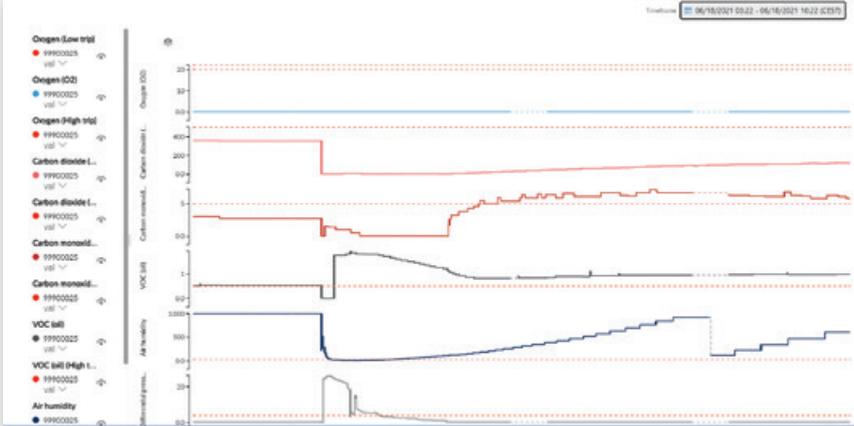
- O2: 20.8 %
- CO2: 799 ppm
- CO: 0.3 ppm
- VOC (ppb): 0 mg/m³
- Humidity: 311.7 mg/m³

A blue callout box on the right states: "All gas measurement values including threshold values at a glance".



The screenshot shows the 'MV200' maintenance schedule interface. A blue callout box on the left states: "Information about due dates of next sensor calibration or maintenance".

Compressor	B-Detection
Runtime since main service: 36 h	Calibration date O2 sensor: 23.07.2023
Interval time: Main service: 4000 h	Calibration date CO sensor: 06.02.2023
Runtime since oil change: 36 h	Calibration date CO2 sensor: 06.02.2023
Interval time: Oil change: 2000 h	Calibration date VOC sensor: 06.02.2023
Runtime since filter replacement: 36 h	Calibration date dew point sensor: 18.10.2022
Interval time: Filter replacement: 500 h	Time since last system check: 449 days
Runtime since valve service: 36 h	Maintenance interval for system check: 305 days
Interval time: Service valves: 1000 h	Last dew point sensor check: 449 days
Final separator load cycles: 257 cycles	Maintenance interval for dew point sensor: 750 days
Final separator maximum allowed load cycles: 10000 cycles	Time since last density check: 147 days
	Maintenance interval for sight and density check: 30 days
	Time since last functions check: 147 days
	Maintenance interval for functions check: 90 days



The screenshot shows a historic gas measurement chart for the period 06/16/2021 08:22 to 06/16/2021 16:22 CEST. The chart displays trends for O2, CO2, CO, VOC (ppb), and Air humidity. A blue callout box on the right states: "Display of historic gas measurement values with PDF download option for reliable, secure archiving".

BENEFITS AT A GLANCE



THE BIGGER PICTURE ALWAYS IN VIEW

B-CLOUD delivers a continuous real-time overview of all operating data from your BAUER systems. Whatever your physical location.



ENABLES IMMEDIATE RESPONSE

If alerts or faults occur, you receive a push message on your smartphone and can immediately take steps to remedy the problem.



RAPID REMOTE SUPPORT

Whatever problems crop up during day-to-day operations, your BAUER Service Partners are always there when you need them. We work with you to track down faults and can solve many system issues remotely, saving you time, money and stress.



EASIER MAINTENANCE PLANNING

Share access to your system with a service partner that plans your system maintenance for you. Always operation-ready, thanks to improved planning and faster implementation!



EASY ARCHIVING

It's so simple to store all your key data (e.g. gas measurements) in the cloud. Export the data as a PDF or Excel file and create automatic monthly reports.



ALL BENEFITS AVAILABLE IMMEDIATELY

Ensure your systems are always state of the art. Connected to B-CLOUD, your compressor always receives the latest software updates immediately.



INTERESTED IN OUR PRODUCTS?

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

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



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Subject to technical change without notice