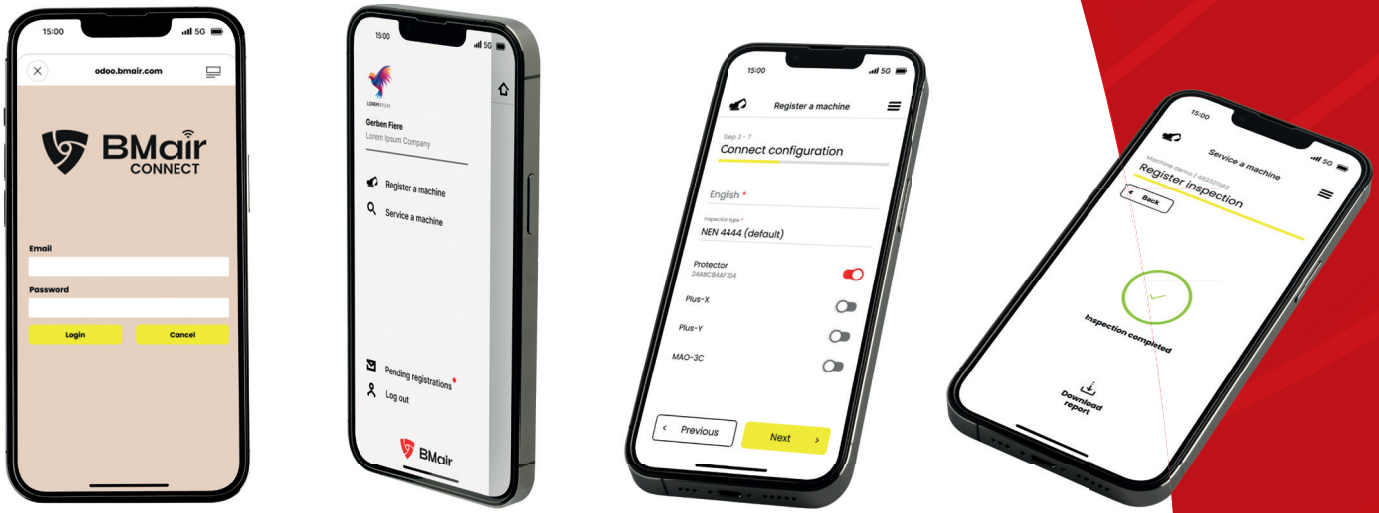
BMair



User Manual | App

Service a BMair Protective Ventilation System

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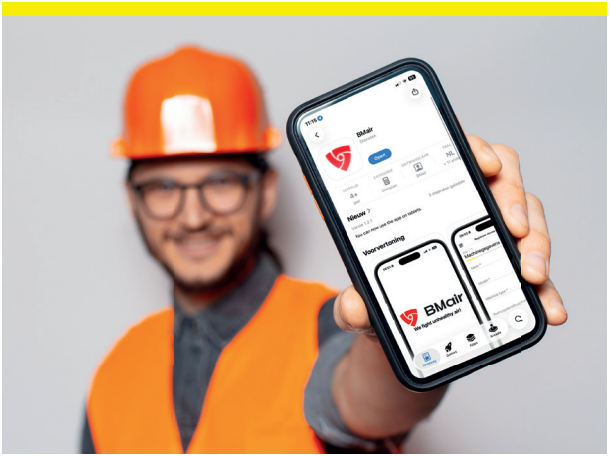


1. Introduction

Since the introduction of the BMair Connect product line, all controllers are now online and accessible to both dealers and machine owners. To ensure that every machine is correctly registered, BMair has developed the BMair App.

> Note: The app is intended exclusively for BMair service partners. It is not available to end users and is used solely for machine registration and maintenance. For real-time machine information, please visit the BMair Connect Portal at: **connect.bmair.com**.

The BMair App can be used on any mobile device, including both smartphones and tablets. As a registered user, you will automatically receive email notifications about new features, improvements, and updates to the app. This ensures you are always using the latest version.

Download the app

The BMair App is available for download in both the App Store (iOS) and Google Play Store (Android). Since the app is designed for a select group of authorized users, it is not publicly visible in the app stores.

You can download the app directly by clicking the store buttons on the BMair website: **www.bmair.com/app**

Access to the App

To use the BMair App, you must have a registered account. If a technician does not yet have one, an account can be requested through BMair Service. Please send your name and email address to: **service@bmair.com**

Once your account has been created, you will receive an invitation to set your password before logging in for the first time.

2. Service a machine

After the installation and registration of the BMair system, the customer can start operating the machine. In most cases, international standards require a maintenance and inspection interval of one year for the complete system. Using the BMair App, any service partner can perform the required maintenance for all installation with a BMair Connect.

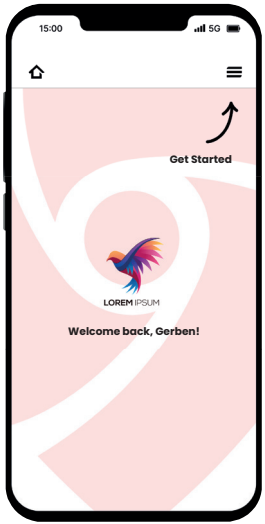
> Important: To perform maintenance, the controller must be running software version 2.1 or higher. If the controller does not meet this requirement, make sure to update it before starting the service. All related information can be found at: **www.bmair.com/software**.

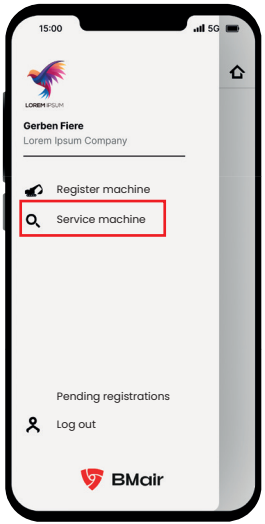
Once the service has been completed, the inspection date is automatically updated in the system, the operator can safely resume work. To perform maintenance, follow the steps in the BMair App and on the Connect.

1 Start

After logging in, press [Menu] to service a machine. Then select [service machine] to start the maintenance.

> It is important that the machine is running and that the app user is near the machine, preferably outside the cabin with the door closed.

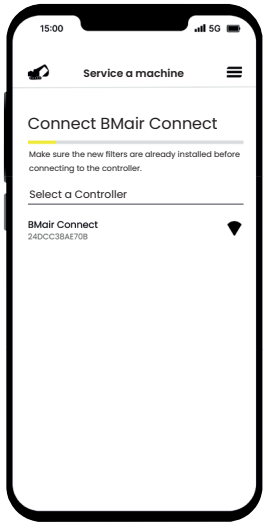




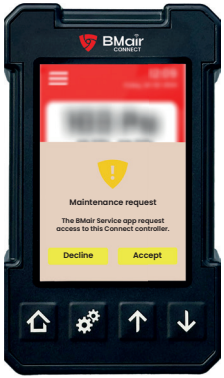
2 Connect BMair Connect

To start a service, first select the controller of the machine on which you want to perform maintenance.

> Important: If new filters need to be installed, make sure to do this before connecting to the controller. Once a connection is established, the BMair App automatically stores the new serial number(s).

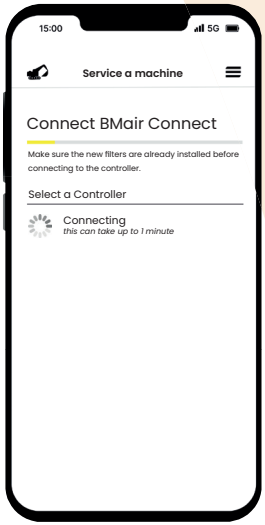


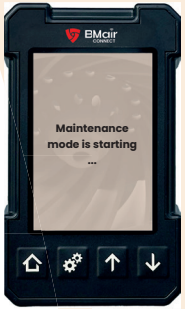
After selecting the controller in the app, the controller will request confirmation to perform service. This ensures that the service technician knows for certain that the correct controller has been selected.

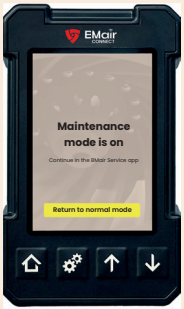


3 Maintenance mode

After the request has been approved via the controller, the app connects to the controller and switches it to service mode. This process may take up to one minute. From this point on, the app can read all data and ensure that the inspection is properly recorded. Once loaded, the screen will display “maintenance mode is on”. The service technician can proceed to the next step.

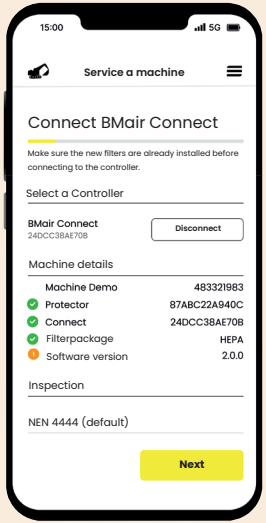


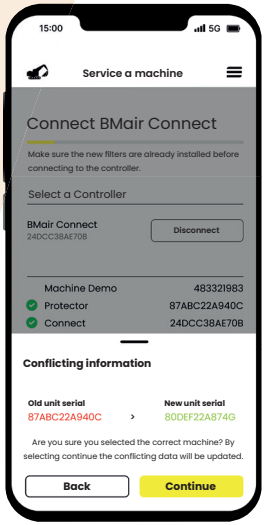




4 Possible alerts

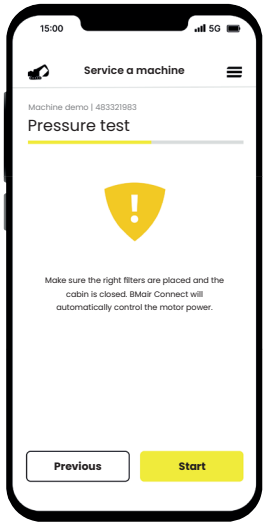
After connecting to BMair Connect, one or more alerts may appear. If an exclamation mark is shown next to the software version, a software update is available. Always update the controller so it is up to date after service. If a serial number differs, the app will ask you to confirm this. Press [Continue] to update the data.

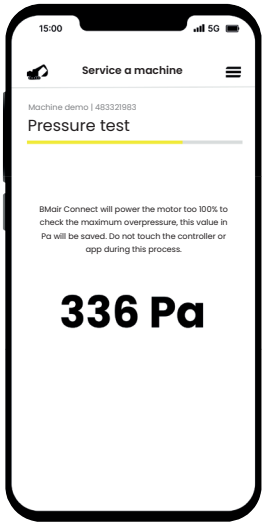




5 Automatic pressure test

The next step, just like during registration, is the automatic pressure test. For this test, it is important that the machine is fully powered on, all windows and doors are properly closed, and the service technician remains outside the cabin. By starting the test, the system will automatically perform the pressure test.



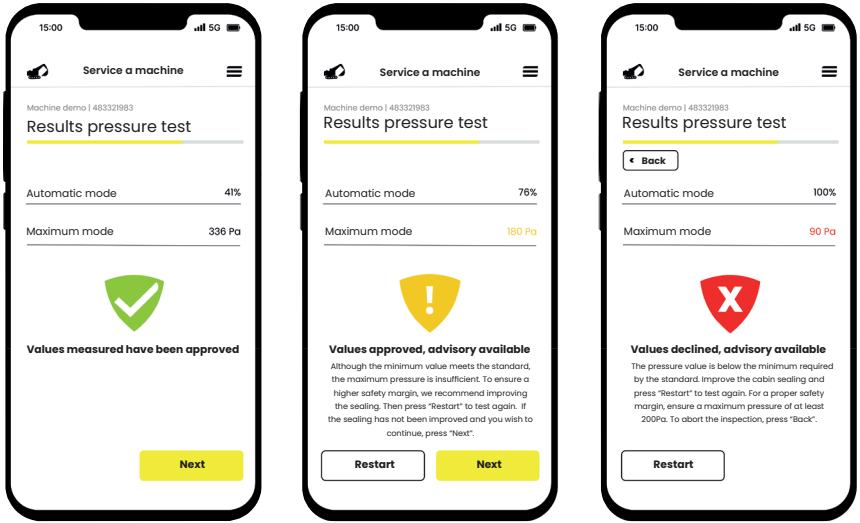


6 Result pressure test

The test can show three results:

Approved:	Pressure is well above the required standard.
Approved – advisory:	Pressure is above the standard, but improving the sealing is recommended
Declined:	Pressure is below the minimum value.

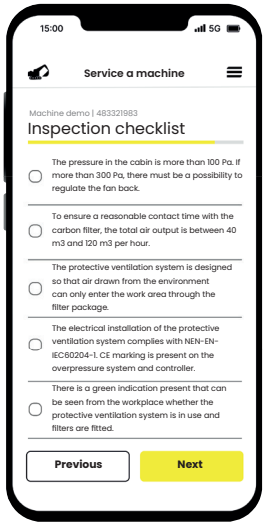
If the result is rejected, the sealing must be improved before the service can continue. Once the sealing has been improved, the test can easily be performed again by pressing the [Restart].



7 Inspection checklist

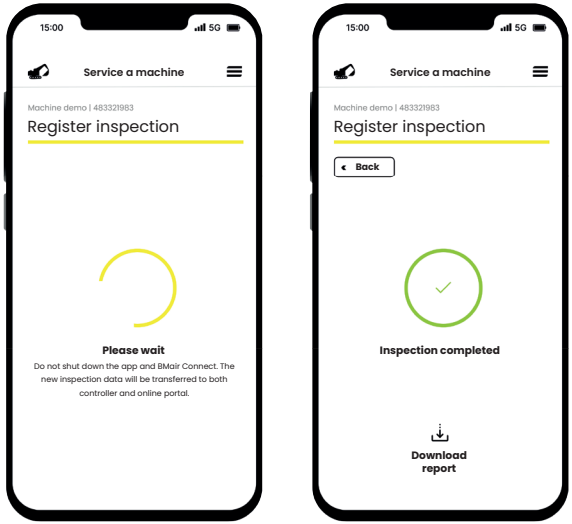
Depending on the selected standard, the user will receive a checklist based on that standard. This checklist will later appear on the certificate, so fill it in carefully. After completing the form, press [Next] to register the inspection.

Tip: To select a checkbox, you can also tap the corresponding text.



8 Inspection registration

After all inspection steps have been successfully completed, the data is automatically saved in both the controller and the online portal. Once the process is finished, a certificate is immediately available for download, for example to send to the end user. The end user can also access and view the certificate directly in the BMair Connect Portal.



9 Inspection report

The report can be downloaded immediately and looks the same as the certificate generated during installation. The full history can be downloaded through the BMair Connect portal.

3. Frequently asked questions

The most frequently asked questions about the BMair App are described in this chapter, along with their answers.

Why do you perform an annual inspection?
This is often required by various standards. In addition, it is strongly recommended to perform an annual inspection, as preventive maintenance can help avoid potential issues. By checking the system annually, it continues to operate optimally and possible malfunctions can be prevented. Even if it is not mandatory, BMair strongly recommends this service.

Can anyone perform an annual inspection via the App?
No, the app can only be used by authorized BMair service partners. Access is restricted and requires a special login provided by BMair. If you are unsure whether your credentials provide access, please contact BMair Service — either by phone or by email at **service@bmair.com**.

Can I use the app only on a mobile phone?
No, the BMair App can be used on both mobile phones and tablets. The app is optimized for mobile devices and works the same way on both types of hardware.

Do I need an internet connection to use the app?
The app requires an internet connection when logging in. After that, it can be used both online and offline. Data is temporarily stored on the phone until the connection is restored, after which it is automatically sent to BMair Connect. This also applies when the signal is too weak. After a time-out, the data is saved locally until a stable connection is available again.

Which standard should I use?
The default standard is always preselected in the app and can be recognized by (default) displayed after the standard name. This represents the applicable standard for your region. However, there are also specific standards available that you can select when required. On the next page is a short overview of these specific standards.

NEN4444 (default)

This is the standard setting we use for all BMair installations. It is the closest match to the upcoming European standard, so we always recommend using it. The minimum pressure is set to 100 Pa. The inspection date on BMair Connect is updated after completing this inspection.

RS20

An Australian mining standard, with a minimum pressure of 50 Pa. Please note that this standard is valid only in Australia. The inspection date on BMair Connect is updated after completing this inspection.

ISO 23875

The international mining standard. The minimum pressure is set to 50 Pa. Please note that additional components are required to comply with this standard. The inspection date on BMair Connect is updated after completing this inspection.

EN 157695

The basic cab cabin standard, commonly used in the agricultural sector. The minimum pressure is set to 20 Pa and is only recommended for machines that have difficulty maintaining pressure. The inspection date on BMair Connect is updated after completing this inspection.

This EN157695 is a basic standard and it is not recommended to select it for heavy machines. Increasing the pressure when the required pressure level is not reached is always the better option to ensure the operator's safety.

Basic Cabin Inspection

The basic cabin inspection is used when a service partner want to document a filter replacement. This is not a real-inspection. But makes sure it will generate a certificate for a filter replacement. The inspection date on BMair Connect is **not** updated after completing this inspection.

Why does the pressure test require twice the minimum pressure value?

It is important that the system continues to operate reliably. If the sealing is set to just reach the minimum pressure, malfunctions may quickly occur due to filter saturation or deterioration of the sealing during machine use. This is normal, but we want to prevent such issues. Therefore, a pressure buffer is created. The system automatically regulates the pressure, which means it does not need to draw in air as forcefully while still maintaining the minimum airflow (m^3/h). As a result, the system collects less dust and ensures the operator benefits from long-lasting, stable performance.

Do I need to update the controller before performing a service?

That is always recommended! The service section of the app works from software version 2.1.0 onwards. However, to provide the end user with the best possible service, it is important to treat updates as a standard part of any service appointment. Updates ensure improved or additional functionality in the controller.

We Fight Unhealthy Air!

BMair

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