BMair

Protector HEPA Filter

OFFICIAL AUTHORISED

AUSTRALIAN PARTNER

SMARTTECH® AUSTRALIA

Datasheet

BMair Protector HEPA Filter, compatible with the online controller ***BMair Connect****.*

BMair Protector & Filter Replacement

Specifically designed for dusty environments

The BMair Protector is as compact as possible, without compromising functionality. The protective ventilation system, made of polypropylene, fiberglass, and stainless steel, contains unique components specifically designed to create overpressure. A crucial element, the fan, has been carefully calculated, tested, and developed in-house to achieve the optimal balance between flow, pressure, and motor power. The result: improved stability of pressure and flow compared to existing systems.

The BMair Protector stands out for its effectiveness and efficiency, thanks in part to the HEPA-13 filter class. The filter has an efficiency of ≥ 99.95% at the most penetrating particle size (0.1–0.3 µm), tested according to ISO 29463. The filters are housed in a robust polypropylene casing, minimizing direct contact with silica while replacing filters.

The filter is unique thanks to its patented RFID technology. This smart system allows the in-cab controller to instantly recognize which type of filter is installed. A digital logbook is automatically maintained without any manual input. The filter's lifespan is continuously monitored and the operator is alerted when it is nearly time for a replacement. No surprises. No unnecessary downtime.

HEPA-13 Filter with unique RFID technology

SmartTech Australia is dedicated to protecting what matters most: your employees. While the dangers of large, contaminated project sites are often recognized, significant health risks also exist inside the cabin, where operators may be unknowingly exposed to (micro) dust, such as silica, on a daily basis.

Contact SmartTech Australia For A Filter Replacement

PPE and standard filtration put operators at Risk

Operators spend more time in their cabins than with their families. Incomplete measures do not deliver results; in fact, you could be sitting on a ticking legal time bomb.

PPE

Not always there; often removed or misused

Impact on work due discomfort

No provable monitoring

No compliance tracking

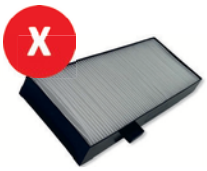
Protective ventilation systems

Always active with high efficiency HEPA 13 - filtration

No impact on work due dust entering the cabin

Automatic pressure regulation & monitoring

Online monitoring & digital logs available



Standard machine filtration

Always active with low efficiency filtration

Impact on work due dust entering the cabine

No automatic regulation & monitoring

No compliance tracking

BMair Connect

Always Online – A Revolution in Real-Time Monitoring

Discover BMair Connect, the groundbreaking control unit developed in combination with the BMair Protector. Once the system is activated, BMair Connect automatically takes control and manages the operation. In the event of potential hazards, such as pressure loss or gas detection in the cabin, BMair Connect immediately issues warnings and provides solutions. The biggest innovation is the advanced online connectivity: all data from the controller is accessible 24/7 via a real-time online portal, enabling continuous monitoring and supervision.

- Connected to the BMair Connect Portal for direct access to current information of the respective machine(s)
- Take advantage of fully automated filter registration and logging thanks to the patented RFID technology.
- View and download maintenance reports easily directly from the portal.

To monitor the air quality in cabins, plug-and-play sensors are available. In environments where carbon filters are installed, it is recommended – and often mandatory – to place a sensor. For BMair Connect, various types of sensors are available, including VOC, NH_3, and CO_2.

We believe clean air is a fundamental right

BMair Protector

BMair MAO-3C

Plus X

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BMair

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