



BMair

Protector Plus X



Datasheet

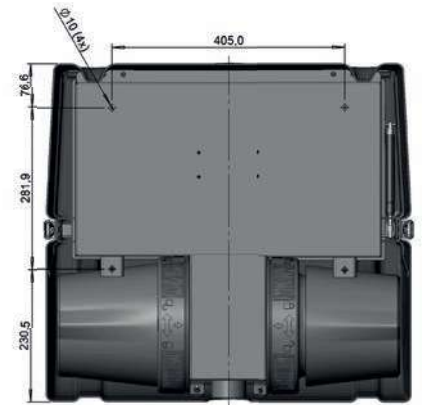
Discover our latest innovation in protective ventilation technology. Always online, with maximum efficiency in dust and gas filtration.

BMair Protector Plus X

The Protector offers highly efficient dust filtration, combined with the powerful Plus X gas filtration for optimal protection.

The Protector Plus X combines two modular elements that can be flexibly assembled. The BMair Protector forms the basis and can also be used as a stand-alone solution for ultimate dust filtration. Before the air reaches the Plus X module, it is completely dust-free. Then the air flows into the Plus X module through an 11 kg activated carbon filter, which efficiently removes gas molecules from the air. The system blows the air through the filter, resulting in optimal air distribution over the entire filter surface. This maximizes the utilization of the filter and significantly increases the safety of every operator.

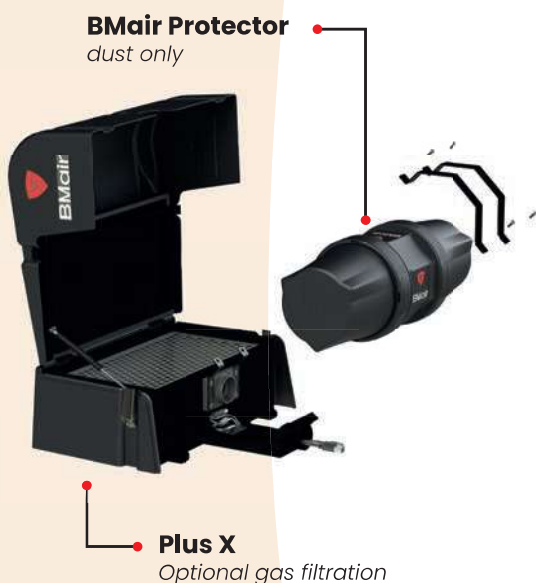
The Plus X module is equipped with a high-quality plastic cover for a sleek and professional finish. Thanks to the gas spring, the cover can be easily opened, making the replacement of filters quick and safe.



Modular

The Protector Plus X is available as a complete package, but the components are also available separately.

The BMair Protector is a stand-alone system specifically designed for dust filtration. Although this system provides an excellent foundation, it is not yet sufficient for ultimate protection when working with hazardous gases or vapors. Therefore, the Protector can be expanded with a Plus package. The operation of the Protector remains unchanged, but it can be directly connected to the Plus X for seamless expansion for gas filtration.



The Plus X is the first of two expansion packs and is ideal for installations where height restrictions play a role. The 'Deck' variant will be available later in 2025.

Filters

The Protector Plus X can be used for any type of pollution. With the standard packages, the system specifically offers protection for the operator.

Each polluted environment requires a specific filter combination to remove hazardous substances and vapors as efficiently as possible. BMair offers a standard range of filters that fully cover the most common pollutants.

Filters can be replaced quickly and easily without tools. The standard HEPA dust filter package is equipped with a plastic housing, preventing the operator from having direct contact with the contaminated filter medium.

Filterpackage	Type	Art. nr.
Quartz	Particulate & HEPA	CX-PROT-PH
<i>Offers protection against: Toxic particulate matter, Asbestos silica dust and heavy metals (Rendement >99,95%).</i>		
Benzene	Particulate & HEPA Carbon A	CX-PROT-PHA
<i>Offers protection against: Vapours from solvents and hydrocarbons (e.g. diesel).</i>		
Mercury	Particulate & HEPA Carbon ABEKHG	CX-PROT-PHABEKHG
<i>Offers protection against: Organic mercury compounds (e.g., mercury, methylmercury, merbromin).</i>		
Dredger	Particulate & HEPA Carbon AB	CX-PROT-PHAB
<i>Offers protection against: Vapours from dredging spoil such as bacteria, toxic particulate matter, heavy metals and H2S.</i>		
ABEK	Particulate & HEPA Carbon ABEK	CX-PROT-PHABEK
<i>Offers protection against: Vapours from cocktail of toxic substances. In accordance with EN14387.</i>		
Ammonia	Particulate & HEPA Carbon AK	CX-PROT-PHAK
<i>Offers protection against: Vapours from waste and composting such as spores, bacteria, viruses, organic and ammonia</i>		

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, NH3, and CO2.

We believe clean air is a fundamental right



BMair Protector

The base can be used stand-alone for ultimate dust filtration, but can later be easily expanded with the Plus X or Y.



Plus X

The modular expansion for the use of activated carbon, characterized by the compact design and limited height.



BMair

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