MAO-3 Cab Guard

OFFICIAL AUTHORISED

AUSTRALIAN PARTNER

SMARTTECH® AUSTRALIA

Datasheet

MAO-3CabGuard, now compatible with the online controller BMair Connect.

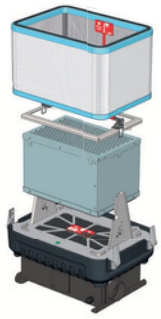
Filters

TheMAO-3can 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.

Filterpackage	Type	Art. nr.
Quartz	Particulate & HEPA	CX-MAO3-PH
Offers protection against: Toxic particulate matter, Asbestos silica dust and heavy metals.		
Benzene	Particulate & HEPA Carbon A	CX-MAO3-PHA
Offers protection against: Vapours from solvents and hydrocarbons (e.g. diesel).		
Mercury	Particulate & HEPA Carbon ABEKHG	CX-MAO3-PHABEKHG
Offers protection against: Organic mercury compounds (e.g., mercury, methylmercury, merbromin).		
Dredger	Particulate & HEPA Carbon AB	CX-MAO3-PHAB
Offers protection against: Vapours from dredging spoil such as bacteria, toxic particulate matter, heavy metals and H2S.		
ABEK	Particulate & HEPA Carbon ABEK	CX-MAO3-PHABEK
Offers protection against: Vapours from cocktail of toxic substances. In accordance with EN14387.		
Ammonia	Particulate & HEPA Carbon AK	CX-MAO3-PHAK
Offers protection against: Vapours from waste and composting such as spores, bacteria, viruses, organic and ammonia		

Dust Combination
CX-MAO3-PH



Act. Carbon Combination
CX-MAO3-PHA

BMair Connect

Always Online–ARevolution in Real-Time Monitoring

Discover BMair Connect, the innovative control unit paired with BMair MAO-3. Once activated, it autonomously manages operations, issuing immediate warnings and solutions for hazards like pressure loss or gas detection. With 24/7 real-time online access, it ensures continuous monitoring and control.

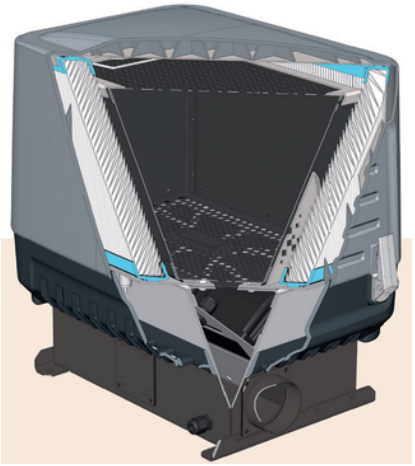
- Connected to the BMair Connect Portal for direct access to current information of the respective machine(s)
- Take advantage of fully automated filter registration and logging thanks to the patented RFID technology.
- View and download maintenance reports easily directly from the portal.

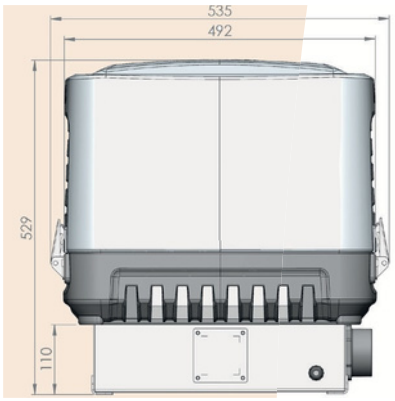
To monitor the air quality in cabins, plug-and-play sensors are available. In environments where carbon filters are installed, it is recommended – and often mandatory – to place a sensor. For BMair Connect, various types of sensors are available, including VOC, NH3, and CO2.

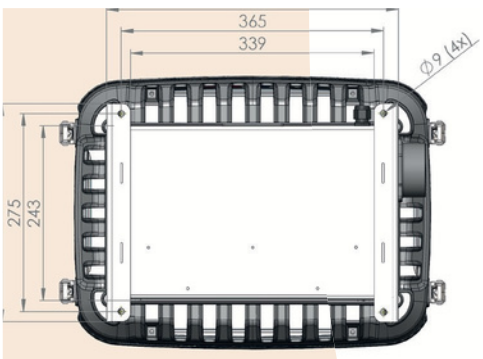
MAO-3 Cab Guard

Our innovation is custom-built to meet the growing demand for compact and intelligent systems, offering the flexibility to place any filter combination.

Encased within a modern, sturdy plastic housing lies a uniquely contoured self-cleaning HEPA filter boasting unparalleled capacity. Additionally, this innovative design accommodates a compact, full 10kg carbon filter. With dimensions engineered for maximum efficiency, our product ensures a filter contact time surpassing that of competitors.







Technical data

The MAO-3 Cab Guard features a compact footprint and many other technical innovations.

Weight	24kg without filters
Air output	Nominally 40-120 m^3 per hour
Voltage	24 / 12 Volts
Max power consumption	12 or 15 Ampere
Inclusive	Mounting material
Material	Stainless steel & Plastic
Finish	Powder coated
K-Factor	3 to 10
Hinged lid	No
Multiple discharge options	Yes
Seperate compartments filters harmful substances	Yes
Mounting position	Horizontally
RFID Filter recognition	Yes
Dust filtering	Self-cleaning HEPA filter
Gas filtering	Possible with 10kg act. carbon

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.

BMair MAO-3C
The multifunctionalsystem, to be installed on the deck, characterized by its small footprint.

Plus X
The modularexpansion for the use of activated carbon, characterized by the compact design and limited height.

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