

# Datasheet Powered filtering device BARIAIR

Designation: Basic unit BARI-Air

Description: Fan filter device filters the ambient air via three filters connected to the device. Depending on the filter type, the filters absorb particles, gases, vapors or combinations thereof from the ambient air. After the filtering process, treated ambient air is fed through a hose into the face shield, where it is available as breathing air. The generated overpressure prevents pollutants from the environment from entering the headpiece.



Article-Number: 202045

Application: BARI-Air is designed for a wide range of applications where a high level of protection and comfort is required. The device can be combined with a visor, a hood or a helmet combination.

Standards: DIN EN 133 Respiratory protective devices - Classification  
DIN EN 12941 Respiratory protective devices - Powered filtering devices with a breathing connection without a tight fit (hood)

Dimensions: Blower including belt 300mm x 190mm x 170mm

Weight: approx. 2000 grams

Shelf life: Remove the filters and the rechargeable battery  
Dry components  
Store components in a container or cabinet  
Protect the device from direct sunlight, heat and moisture

Handling: Only remove the filter from the packaging immediately before use. Screw the filter holder firmly into the connection piece of the mask.

Focus of use: Varies depending on whether the hood, visor or Visor Combi is used.

Service life:  $\geq 8$  hours

Instructions for use: The use of breathing filters requires a basic knowledge of the function and handling of respiratory protective devices. Information on this can be found in the trade association regulations and rules, in particular in DGUV Rule 112-190.  
The use of respiratory protective devices generally means additional strain for the person wearing the respiratory protective device.  
Most respiratory protective devices require occupational health screening in accordance with the "Ordinance on Occupational Health Care" (ArbMedVV).  
**Damaged filters must not be used.**

Revision 12.2025 – Errors and omissions excepted. All data are non-binding guide values.

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## Regulations / rules:

Regulation (EU) 2016/425 on personal protective equipment  
PPE Usage Ordinance (PSA-BV)  
Ordinance on occupational health care (ArbMedVV)  
BGV A1 Employer's Liability Insurance Association Regulation for Safety and Health at Work - Accident Prevention Regulation - Principles of Prevention  
  
DGUV Rule 112-190 Employer's liability insurance association rules for safety and health at work - "Use of respiratory protective devices"  
  
Hazardous Substances Ordinance (GefStoffV) with associated Technical Rules for Hazardous Substances (TRGS), in particular TRGS 402 "Determination and assessment of hazards during activities with hazardous substances: Inhalative exposure" and other technical rules for hazardous substances.

## Technical data:

- Made of chemical-resistant and impact-resistant ABS plastic
- Removable lithium-ion battery (Heavy Duty 7.8 Ah) for an operating time of at least 8 hours in any combination
- Charging time of < 4 hours
- Triple warning system: audible, visual, vibration
- Equipped with 3 filter connections
- High capacity filter for high pollutant concentrations (5,000 ppm)
- Option to close one filter connection with 2 x P3 filters
- Two control buttons for start/stop - optional adjustable flow rate in 4 stages 160 -220 l/min
- Full-color LED display with flow rate, battery and filter display in several languages
- Fully electronically controlled air flow - automatic daily calibration
- Ingress protection in IP class IP65
- Service timer for maintenance work
- Filter timer for filter change

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## Possible combinations

No.	Head cover	EN 12941	Particle filter	Combined filter	Class
		202045 Power filtering devie	922404 200525	924400 / 924452 / 924703	
1	BariAir Chem 3	YES	P R SL	A2P R SL / ABE2K1HgP R SL/ ABEK2HgP R SL	TH3P
2	BariAir Visor	YES	P R SL	A2P R SL / ABE2K1HgP R SL/ ABEK2HgP R SL	TH2P
3	BARI-Visor Combi	YES	P R SL	A2P R SL / ABE2K1HgP R SL/ ABEK2HgP R SL	TH1P

## Order details:

Article number	Description
202054	Fan filter unit BARIAIR basic set with Chem 3
202048	BariAir 1000 CHEM3
202049	BariAir Visor
202050	Visor Combi
202051	Charger
202301	Comfort belt
202299	Rechargeable battery
202053	Breathing tube
202052	BARI Air stopper
924404	Particle filter 30 P3
200525	Particle filter 30 P3 Plus
924400	Combination filter 81 ASt
924703	Combination filter 86 ABEKHgSt
924452	Combination filter 81 ABEKHgSt

BariAir 1000 CHEM3 is also available as a set with the powered filtering device, this is the following article number: 202054

BariAir Visor is also available to buy in a set with the powered filtering device, this is the following article number: 202518

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