Datasheet Breathing filter BR A2B2 P3

Designation:	BartelsRieger screw respiratory protection filter BR A2B2 P3 Gas filter according to DIN EN 14387 Filter type/class A2 B2 P3 Combination filter as part of a respiratory protective device according to DIN EN 133 - Filter device
Description:	Combination filter with cylindrical housing with round thread connection to DIN EN 148-1 (external thread Rd 40 x 1/7)
Article-Number:	202422
Application:	In conjunction with breathing connection - full face masks (DIN EN 136) with round thread connection - for protection against organic gases and vapors with a boiling point above 65°C, against inorganic gases and vapors e.g. chlorine, hydrogen sulphide (hydrogen sulphide), hydrogencyanide (hydrogen cyanide, hydrogen cyanide) - not against carbon monoxide - and against particles. (The “D” marking is not provided for in DIN EN 14387 and is therefore not indicated on the filter. The “D” stood for a passed test of the particle filter against dolomite dust. This can currently only be found in EN 149). *

Standards:	DIN EN 133	Respiratory protective devices - Classification
	DIN EN 148-1	Respiratory protective devices - Threads for breathing connections - Round thread connection
	(DIN EN 149	Respiratory protective devices - Filtering half masks to protect against particles)
	DIN EN 14387	Respiratory protective devices - Gas filters and combination filters

Labelling: with the filter colors: brown - grey - white (adhesive label)

Materials:	Housing, perforated disks	Aluminum alloy
	Filter medium	Activated carbon and glass/cellulose fiber
	Non-woven discs	Polypropylene
	Sealing foil	Polypropylene
Dimensions:	Diameter	approx. 108 mm
	Height	approx. 93 mm
Weight:	approx. 345 gram	
Inhalation resistance:	< 2,6 mbar at 30 l/min constant air flow	
	< 9,8 mbar at 95 l/min constant air flow	
Filter passage:	Sodium chloride test at 95 l/min:	< 0.05 %
	Paraffin oil test at 95 l/min:	< 0.05 %
Storability:	6 years - from date of manufacture (protected from cold, heat and moisture)	

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Handling:	Only open the filter packaging immediately before use and screw the breathing filter firmly into the connection piece of the mask.
Main application:	Organic gases and vapors (boiling point >65°C), chlorine, hydrogen cyanide, hydrogen sulfide, rock dust, glass wool, mineral fibers, wood dust, soot, steel dust, herbicides and pesticides (toxic), bacteria and viruses.
Service life:	The shelf life of combination filters depends on several factors such as concentration of harmful gases, ambient temperature, humidity, work intensity, posture, etc. and therefore cannot be determined in advance. Opened filters must be replaced after 6 months at the latest.
Application limits:	according to technical rules for hazardous substances TRGS 900 „Workplace limit values“ with full-face mask (particle filter): 400 times the workplace limit value with full-face mask (gas filter): 400 times the workplace limit value Maximum permissible gas concentration: Gas filter class 2 (A2, B2) = 5,000 ml/m³
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.** In ATEX areas, these respiratory protection filters can be used in potentially explosive atmospheres in zones 1, 21, 2 and 22 if the following requirements are observed: - The respiratory protection filters must be earthed via a dissipative mask and via the earthing of the wearer with a leakage resistance <10^8 Ω. - The respiratory protection filters must not be used in areas where highly charge-generating processes are to be expected. - In the presence of an explosive atmosphere, the respiratory protection filters may only be worn on the face mask and not on the belt. - The permissible ambient temperature must not exceed a value of 70 °C, assuming a temperature increase of 10 K at the parts in contact with an explosive atmosphere during normal operation and also in the event of a fault (zone 1 or 21) or during normal operation (zone 2 or 22) due to the activated carbon filter

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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 involving hazardous substances: Inhalative exposure" and other technical rules for hazardous substances.

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With the revision of the European standard EN 14387 in 2021, the ‘R’ and ‘D’ labelling has been removed. The labelling referred exclusively to the particle filters in combination filters and had the following meaning:
‘R’ (reusable) - the filter may be reused
Note: This does not apply when used against microorganisms.
‘D’ (dolomite) - resistant to clogging by dust (storage test)
As the BR filter series has been tested and certified in accordance with the new standard and therefore the latest technical standard, labelling with ‘R’ and ‘D’ is no longer possible due to this change compared to the old EN 14387:2008.
The filters fulfil the requirements of the storage test and are reusable.

Order details:

Article-No.	Description
202422	Combination filter BR A2B2 P3
111200	Full face mask BRK 820
111201	Full face mask BRK 820 V
111208	Full face mask BRK 820 G
111400	Full face mask TR 2002 CL3
111704	Wall container for full face mask including one filter
111705	Wall container for two full face masks including two filters
111703	Carrying box B78 for one full face mask
111702	Carrying case FE for one full face mask and one filter

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