

Datasheet Breathing filter 84 AX

Designation:	Breathing protection screw filter AX Gas filter according to DIN EN 14387- Filter type / filter class AX as part of a respiratory protective device according to DIN EN 133 – Filter device	
Description:	Cylindrical housing with round thread connection according to DIN EN 148-1 (external thread Rd 40x1//7)	
Article-Number:	920850	
Application:	In conjunction with breathing connection - full face masks (DIN EN 136) or half masks (DIN EN 140) with round thread connection Single use for protection against gases and vapors low-boiling organic compounds (boiling point $\leq 65^{\circ}\text{C}$)	
Standards:	DIN EN 133 DIN EN 148-1 DIN EN 14387	Respiratory protective devices - Classification Respiratory protective devices - Threads for breathing connections - Round thread connection Respiratory protective devices - Gas filters and combination filters
Identification color:	brown (adhesive label)	
Materials:	Housing, perforated disks Filter medium Non-woven discs Sealing foil	Aluminum alloy Activated carbon Polypropylene Polypropylene
Dimensions:	Diameter approx. 108 mm Height approx. 84 mm	
Weight:	approx. 265 grams	
Inhalation resistance:	< 1.4 mbar at 30 l/min constant air flow < 5.6 mbar at 95 l/min constant air flow	
Storability:	6 years - from date of manufacture (protected from cold, heat and moisture)	
Handling:	Only open the filter immediately before use and screw firmly into the connector of the mask.	
Main application:	Organic compounds and solvent vapors (boiling point < 65°C).	
Service life:	The service life of gas filters depends on several factors such as concentration of the harmful gases, ambient temperature, air humidity, work severity, posture, etc. and therefore cannot be determined in advance. Observe the maximum periods of use and concentrations of the pollutants concerned (DGUV Rule 112-190- Paragraph 3.2.8.2.1, Table 13 and Appendix A 1.2.2.1.1).	



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Application limits:	according to technical rules for hazardous substances TRGS 900 "Occupational exposure limits"
with half/quarter mask (gas filter):	30 times the occupational exposure limit value
with full face mask (gas filter):	400 times the occupational exposure limit value
Maximum permissible Gas concentration:	Type AX = 5,000ml/m ³ (use limit for filter devices without blower and multiple use exclusively within one work shift)
Maximum permissible Gas concentration:	Type AX = 1,000ml/m ³ (application limit for filter devices with blower and multiple use exclusively within one work shift)

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 met:

- The respiratory protection filters must be connected via a dissipative mask and via the earthing of the wearer with a leakage resistance <108 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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Rules / regulations: 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.

Order details:	Article number	Description
	920850	Gas filter 84 AX
	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
	913503	Half mask 620 N
	913510	Half mask 620 S
	912500BL	Half mask 600
	111704	Wall container for full face mask including one filter
	111705	Wall container for two full face masks including two filters
	111703	Carrying case B78 for one full face mask and one filter

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