

Datasheet Breathing filter 67 ABEK

Designation: Respiratory protection screw filter ABE2K1
Multi-range gas filter to DIN EN 14387- filter
type/class ABE2-K1 - as part of a respiratory
protective device to DIN EN 133 - filter device

Description: Cylindrical housing with round thread connection
according to DIN EN 148-1 (external thread Rd 40 x
1/7), air inlet side with profiled perforated disk

Article-Number: 920650



Application: In conjunction with breathing connection - full face masks (DIN EN 136)
Or half masks (DIN EN 140) with round thread connection - for protection
against inorganic gases and vapors with a boiling point above 65°C, against
inorganic gases and vapors e.g. chlorine, hydrogen sulfide (hydrogen
sulfide), hydrogencyanide (hydrogen cyanide, hydrogen cyanide) against
sulfur dioxide, against hydrogen chloride (hydrogen chloride) and against
ammonia, not against carbon monoxide.

Standards: DIN EN 133 Respiratory protective devices - Classification
DIN EN 148-1 Respiratory protective devices - Threads for
breathing connections - Round thread
connection
DIN EN 14387 Respiratory protective devices - Gas filters
and combination filters

Identification colors: brown - grey - yellow - green (adhesive label)

Materials: Housing, perforated disks Aluminum alloy
Filter medium Activated carbon
Non-woven discs Polypropylene
Sealing foil Polypropylene

Dimensions: Diameter approx. 91 mm
Height approx. 76 mm

Weight: approx. 250 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 it firmly into the
connector of the mask.

Main application: Painting Solvent vapors (boiling point >65°C) Organic solvent vapors Paint
strippers Chlorine Hydrocyanic acid Hydrogen sulphide Sulphur dioxide
Formic acid Ammonia.

Revision 07.2026 – Errors and omissions excepted. All data are non-binding guide values.

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Service life:

The service life of gas filters depends on several factors such as concentration of harmful gases, ambient temperature, air 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
"Occupational exposure limits"
with half/quarter mask: 30 times the occupational exposure limit value
with full face mask: 400 times the occupational exposure limit value
Maximum permissible
Gas concentration: of gas filter class 2 (A2, B2, E2, K2) =
5,000 ml/m³

Instructions for use:

The use of respiratory 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.

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.

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Order details:	Article number	Description
	920650	Gas filter 67 ABEK
	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
	202952	Half Mask BariMask HF Rubber
	202953	Half Mask BariMask HF Silicon
	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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