

Datasheet Breathing filter 45 ABSt

Designation: Respiratory protection insert filter AB1-P3 R D
Combination filter according to DIN EN 14387 – filter
type/class A1 B1 - P3 R D as part of a respiratory
protective device according to DIN EN 133 - filter device

Description: Cylindrical housing with profiled perforated base and
cover lid

Article-Number: 924110 (5 pieces in folding box)

Application: In conjunction with filter holder 5570/70 on breathing connection
- full face mask (DIN EN 136) or half mask (EN 140) with round thread
connection - to protect 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, hydrocyanic acid) - not against carbon monoxide - and against
particles
R = Reusable - reusable against particles
D = particularly resistant to clogging by dust
(storage test with dolomite dust according to EN 143)

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 - white (adhesive label)

Materials: Housing, perforated disk Aluminum alloy
Filter medium Activated carbon and glass/cellulose fiber
Non-woven discs Polypropylene
Sealing foil Polypropylene

Dimensions: Diameter approx. 87 / 90 / 95 mm
Height approx. 50 mm

Weight: approx. 120 grams

Inhalation resistance: < 2.2 mbar at 30 l/min constant air flow
< 8.2 mbar at 95 l/min constant air flow

Filter flow rate: Sodium chloride test at 95 l/min: < 0.05 %
Kerosene oil test at 95 l/min: < 0.05 %

Storability: 6 years - from date of manufacture (protected from cold, heat and moisture)



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

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Handling:	Only remove the filter from the packaging immediately before use and insert into the filter holder 5570/70. Screw the filter holder firmly into the connection piece of the mask. If necessary, place pre-filter 35/70 in the pre-chamber of the cover.	
Main applications:	Painting Solvent vapors (boiling point >65°C) Organic solvent vapors Paint strippers Stone dust Glass wool Mineral fibers Wood dust Soot Steel dust Herbicides and pesticides (toxic) Bacteria and viruses Chlorine Hydrocyanic acid Hydrogen sulfide.	
Service life:	The service life of combination filters depends on several factors such as concentration of harmful gases, ambient temperature, humidity, work severity, 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 (particle filter):	30 times the occupational exposure limit value
	with full face mask (particle filter):	400 times the occupational exposure limit value
	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:	of gas filter class 1 (A1, B1, E1, K1) = 1,000 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.	

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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.

Order details:

Article number	Description
924110	Combination filter 45 ABSt
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
929105	Coarse dust pre-filter 35/70
929006	Filter holder 5570/70
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 and one filter

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