

## 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 11.2023 – 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. 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/m <sup>3</sup>
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). <b>Damaged filters must not be used.</b>

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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
	913503	Half mask 620 N
	913510	Half mask 620 S
	912500BL	Half mask 600
	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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