

# Datasheet

## Screw filter 80 ABEKSt



With Safety.



BR-Article-No.:	924350		
Item name:	Filter 80 ABEKSt		
Article name:	Breathing screw filter ABE2K1-P2 R D		
Article Type:	Combination filter according to DIN EN 14387:2008 - Filter Type / Class A2 B2 E2 K1 - P2 R D as part of a breathing apparatus according to DIN EN 133 - filtering device		
Identification colors:	brown - grey - yellow - green - white (adhesive label)		
Use:	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 - for protection against organic gases and vapors with boiling point above 65°C, against inorganic gases and vapors, e.g. chlorine, hydrogen sulfide (hydrogen sulfide), hydrogen cyanide (hydrogen cyanide, hydrocyanic acid) - not against carbon monoxide - and against particles. and against particles (R = Reuseable - reusable against particles D = Particularly resistant to clogging by dust (single-storage test with dolomite dust according to EN 143)		
Description:	Cylindrical housing with round thread connection to DIN EN 148-1 (external thread Rd 40 x 1/7)		
Materials:	Housing, perforated disc Lower perforated disc Filter media Non-woven discs Closing film	aluminum alloy polypropylene black activated carbon and glass/cellulose fiber Polypropylene Polypropylene	
Dimensions:	Diameter approx. 108 mm, height approx. 90 mm		
Weight:	approx 295 gram		
Shelf life:	6 years - from the date of production (protected from cold, heat and moisture).		
Handling:	Do not open the filter packaging until immediately before use and screw it tightly into the connection piece of the mask		
Inhalation resistance:	< 2.1 mbarat 30 l/min constant airflow < 8.0 mbarat 95 l/min constant air flow		
Filter passage:	Sodium chloride test at 95 l/min Kerosene oil test at 95 l/min	:< 6 %. :< 6 %.	
Service life:	The service life of particle filters depends on several factors such as Particle concentration, humidity, work severity, posture, etc. and therefore cannot be predetermined. Opened filters must be replaced after 6 months at the latest.		

Revision 09.2016 – Errors and omissions excepted. All data are non-binding guide values.

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## Instructions for use:

The use of respiratory filters requires a basic knowledge of the function and handling of respiratory protective equipment. Information on this can be found in the regulations and rules of the employers' liability insurance association, in particular in DGUV Rule 112-190.

Damaged filters must not be used.

In the ATEX area, these respiratory protection filters can be used in the potentially explosive areas of zones 1, 21, 2 and 22 if the requirements below are observed:

- The respiratory protection filters must be worn over a dissipative mask and over the grounding of the
- wearer with a leakage resistance  $<108 \Omega$ .
- The respiratory protection filters must not be used in areas where highly charge-generating processes are to be expected.
- The respiratory protection filters may only be worn on the face mask and not on the belt in the presence of explosive atmospheres.
- The permissible ambient temperature must not exceed a value of  $70^\circ\text{C}$  on the basis of a temperature increase of 10 K occurring during normal operation and also in the event of a fault (zone 1 or 21) or during normal operation (zone 2 or 22) as a result of the activated carbon filter on the parts which are in contact with an explosive atmosphere.

## Standards:

DIN EN 133      Respirators - Classification  
 DIN EN 148-1    Respiratory protective devices - Threads for breathing connections - Round thread connection  
 DIN EN 14387:2008 Respiratory protective devices - Gas filters and combined filters  
 ATEX standards: DIN EN ISO 80079-36; IEC 60079-32; IEC/TS 60079-32-1

## Regulations / Rules:

BGV A1 Trade association regulation for safety and health at work - Accident prevention regulation - Principles of prevention  
 DGUV Rule 112-190 Trade association rules for safety and health at work - BG rule "Use of respiratory protective devices"

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