

Datasheet Particle filter 30 P3+

Designation:	Respiratory protection screw filter P3 R (Reusable) Particle filter according to DIN EN 143 - filter class P3 R - 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 40 x 1/7)	
Article-Number:	200525	
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 particles as well as solid and liquid aerosols.	
Standards:	DIN EN 133 DIN EN 148-1 DIN EN 143	Respiratory protective devices - Classification Respiratory protective devices - Threads for breathing connections - Round thread connection Respiratory protective devices - Particle filters
Identification color:	white (adhesive label)	
Materials:	Housing Filter medium Sealing foil	Polypropylene Glass/cellulose fiber Polypropylene
Dimensions:	Diameter 90 mm Height 50 mm	
Weight:	< 50 grams	
Inhalation resistance:	< 1.2 mbar at 30 l/min constant air flow < 4.2 mbar at 95 l/min constant air flow	
Filter flow rate:	Sodium chloride test at 95 l/min: < 0.01 % Kerosene oil test at 95 l/min: < 0.01 %	
Storability:	10 years - from date of manufacture (protected from cold, heat and moisture)	
Handling:	Screw filter firmly into the connector of the mask.	
Main application:	Rock dust, glass wool, mineral fibers, wood dust, soot, steel dust, herbicides and pesticides (toxic) bacteria and viruses, nuclear industry, nuclear power plants.	
Service life:	The service life of particle filters depends on several factors such as particle concentration, air humidity, work severity, etc. and therefore cannot be determined in advance. Used filters must be replaced after 6 months at the latest.	



Revision 11.2023 – Errors and omissions excepted. All data are non-binding guide values.

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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
Instructions for use:	<p>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 DGUV Rule 112-190. The use of breathing apparatus generally means additional stress for the person wearing the breathing apparatus.</p> <p>Most respiratory protective devices require occupational health screening in accordance with the "Ordinance on Occupational Health Care" (ArbMedVV). Damaged filters must not be used.</p> <p>The material used for the filter housing of the 30P3 filter is polypropylene (PP), which, like many polymers and almost all plastics, is considered insulating in terms of conductivity. The Technical Rule for Operational Safety TRBS 2153 "Avoidance of ignition hazards due to electrostatic charges" has been taken into account. There is a statement in TRBS 2153 under point 3.2.1 (p. 14) "Limiting the dimensions of surfaces of insulating objects and equipment": According to this, ignition hazards "are not to be expected in zones 0, 1 or 2 if:</p> <ul style="list-style-type: none">• the size of the surface of an object or its dimension is limited to the maximum values listed in Tables 1a or 1b (see page 15 of the Annex),• a dangerous charge due to operational processes is not to be expected" <p>The projection of the largest surface area of our 30P3 filter is 57 cm², and therefore fulfills the requirements for Zone 1 explosion groups IIA and IIB in accordance with TRBS 2153.</p>
Rules / regulations:	<p>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</p> <p>DGUV Rule 112-190 Employer's liability insurance association rules for safety and health at work - "Use of respiratory protective devices"</p> <p>TRBS 2153 Technical rules for operational safety (TRBS) TRBS 2153 Avoidance of ignition hazards due to electrostatic charges 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.</p>

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Order details:	Article number	Description
	200525	Particle filter 30 P3 +
	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

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