

Technical Data Sheet



Description

Description	93 AX / St
Part Number	10108409
Marking according to EN	AX, P3
Conditions of use	- low-boiling organic compounds [boiling point $\leq 65^{\circ}\text{C}$] of groups 1 and 2 - particles



Colour code

brown
white

Labels



CE 0121

Characteristics

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Weight [g]	260		
Diameter [mm]	107		
Height incl. thread [mm]	88		
Connection	EN 148-1		
Breathing Resistance			
	at	EN 14387 requirements	Typical values
	30 l / min	2,60 mbar	1,55 mbar
	95 l / min	9,80 mbar	5,80 mbar

Concentration of Testing Gases

dimethyl ether	0,05 Vol.-%
isobutane	0,25 Vol. %

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
AX	dimethyl ether [CH ₃ OCH ₃] isobutane [C ₄ H ₁₀]	50 min 50 min	75 min 75 min
Filter type and class	Particles of reference	EN 143 requirements	Typical values
P3	sodium chloride [NaCl] paraffin oil	0,05% 0,05%	< 0,01% < 0,01%
R	Reusable according to EN 143:2000/A1:2006		
D	Dolomite clogging test & marking according to EN 143:2000/A1:2006 and EN 14387		

Material

Housing	aluminium
Cover (particle filter)	polypropylene
Filtering material	filtering paper / unimpregnated activated carbon

Details/Special Regulations

• Against the low boiling compounds of groups 1 and 2 gas filters AX according to EN 14387 must be used. The following maximum concentrations and usetimes apply:

low boiling compounds group	max. concentration [ml/m ³]	max. usetime [min]
1	100	40
	500	20
	1000	60
2	5000	20

• For low boiling compounds of group 3 protection is provided by filters other than AX [e.g. type B or K], for low boiling compounds of group 4 gas filters provide no sufficient protection.

• AX filters may also be used as A2 filters. In this case however, they shall not be used against low boiling compounds.

• Use of AX filters against mixtures of low boiling compounds or mixtures of low boiling compounds and other organic compounds is not permitted because desorption effects max occur.

• Only factory sealed AX filters must be used. Within one work shift [max. 8 hours] repeated use is permitted, provided the maximum usetime, listed in the above table is not exceeded. Further use is not permitted.

storage condition&time 5°C to 50 °C < 90 % r.h.. **6,5 years**