Technical Data Sheet

Description

Description	90 AX
Part Number	10108408
Marking according to EN	AX
Conditions of use	• organic gases and vapors with a boiling point > 65° C • low-boiling organic compounds [boiling point ≤ 65° C] of groups 1 and 2
Colour code	brown
labels	

Characteristics

Weight [g]	230
Diameter [mm]	107
Height incl. thread [mm]	75
Connection	EN 148 - 1

Breathing Resistance

	at	EN 14387 requirements	Typical values
	30 l / min	1,40 mbar	0,90 mbar
	95 l / min	5,60 mbar	3,80 mbar

Concentration of Testing Gases

Class 1	1000 ppm [0,1 Vol.-%]
Class 2	5000 ppm [0,5 Vol.-%]

Performances

Filter type and class	Gases of reference	EN 14387 requirements	Typical values
AX	dimethyl ether [CH_3OCH_3]	50 min [at 0,05 Vol.-%]	75 min
	isobutane [C_4H_{10}]	50 min [at 0,25 Vol.-%]	75 min

Material

Housing	aluminium
Filtering material	impregnated 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/m³]	max. usetime [min]
1	100	40
	500	20
2	1000	60
	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