



# INSTRUCTIONS FOR USE

## MOF-6

### GAS FILTER

A2B2E2K2

#### GENERAL INFORMATION

The filter complies with requirements of the standards and regulations:

EN 14387:2021

Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing,

EU 2016/425





Regulation of the European Parliament and of the Council on personal protective equipment.

#### MARKING

##### BASIC FILTER MARKING:

FILTER TYPE	CLASS	COLOUR MARKING	MAIN USE AGAINST
A	2	Brown	organic gases and vapours of organic substances with a boiling point > 65 °C
B	2	Grey	inorganic gases and vapours
E	2	Yellow	sulphur dioxide and other acid gases and vapours
K	2	Green	ammonia and organic amines

##### MEANING OF PICTOGRAMS:

	Read the instructions before use!		Filters not to be connected directly to a half mask		Maximum humidity for storage < 95%		Temperature range for storage -10°C to +50°C		End of shelf life year-month
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#### USE

The term „gas filter“ means that the filter contains only the sorption part of activated carbon, without the particulate element. The filter is supplied with a thread connection Rd 40x1/7" (EN 148-1:2019, STANAG 4155) or with OZ 40x4 (GOST 8762-75).

##### THE MOF-6 GAS FILTER

type A2B2E2K2 in combination with a suitable chemical protective mask, the MOF-6 filter forms a perfect protection of the individual against chemicals listed in the filter label, especially against solvents, cyclohexane, hydrogen cyanide, hydrogen sulfide, chlorine, hydrogen chloride and the like. Other chemical substances and their compounds are listed on the website of SIGMA Výzkumný a vývojový ústav, s.r.o. (Research and development institute).

**ATTENTION!** The filter is not suitable for use with half masks due to the weight exceeding 300 g.

The filter must not be used:

- against carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitric oxide (NO) and nitrous oxide (N<sub>2</sub>O)
- in an explosive atmosphere,
- in an environment with an oxygen volume (O<sub>2</sub>) less than 17%

The anti-gas part of the filter complies with class 2 according to EN 14387 - concentration of test gas (pollutants) up to 0.5% of volume in air.

##### ATTENTION!

The filter must not be used at higher concentrations of pollutants.

##### ATTENTION!

The real time of use of the filter cannot be determined in advance due to a number of factors that affect it. These include, in particular, the type and concentration of pollutants, humidity, temperature, flow and pulmonary ventilation of the user (working intensity).

#### PRINCIPLES FOR USING THE FILTER

1. The user should know the type of pollutants and their concentration which the filter intends to protect against.
2. Visually inspect the filter before using it. The filter must not be mechanically damaged.
3. Before opening the protective cover of the filter, check that the thread marking corresponds to the thread on the mask to which it is to be attached.



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4. After opening the protective cover and before using the filter, remove the thread cover and the inlet to the filter.
5. Screw the filter into the mask and, after fitting it, check the tightness of the threaded connection by clogging the filter inlet with your hands. When inhaling, the mask must not be sucked in.
6. The filter can be used in the temperature range from - 15 °C to + 50 °C.

### ATTENTION!

**If the user detects an increase in respiratory resistance during use, the filter must be replaced.**

**If the user smells a change in air quality, the filter must be replaced immediately.**

**The odourless gas filter must always be replaced after each use.**

### ATTENTION!

**Improper storage and/or broken protective packaging may reduce the protective capacity or cause irreversible damage to the filter.**

### DISPOSAL

Waste generated before and after the use of protective filters or after the end of product life must be disposed of in a manner as environmentally friendly as possible, recycled to the largest possible extent and disposal must be in accordance with the requirements of the legislation - EN ISO 14001:2016 Environmental management or legislation and the legislation of the user country.

### MAINTENANCE AND REUSE OF THE FILTER

The filter is for single use only.

### STORAGE

The filter must be stored under the prescribed conditions at a temperature from -10 °C to + 50 °C and a relative humidity of 0-95 % RH. The manufacturer guarantees the full functional performance of the filter in undamaged packaging and in compliance with the storage conditions until the date stated on the filter label.



The EU certificate of type examination No. 1024 / E-046/2018 was issued by Výzkumný ústav bezpečnosti práce (Research Institute of Occupational Safety), vvi, Jeruzalémská 1283/9, 110 00 Prague 1. Declaration of conformity at [www.sigma-vvu.cz](http://www.sigma-vvu.cz).

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In case of any ambiguities or questions contact the filter manufacturer or supplier.