



# INSTRUCTIONS FOR USE

## P3, P3+ PARTICLE FILTERS

P3  
TH3 P R SL  
TM3 P R SL

### GENERAL INFORMATION

The filter complies with requirements of the standards and regulations:

EN 143:2021

Respiratory protective devices. Particle filters. Requirements, testing, marking.

EN 12941:1998, EN 12941:1998/A1:2003, EN 12941:1998/A2:2008

Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood. Requirements, testing, marking.

EN 12942:1998, EN 12942:1998/A1:2002, EN 12942:1998/A2:2008

Respiratory protective devices. Power assisted filtering devices incorporating full face masks, half masks or quarter masks. Requirements, testing, marking.

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
P	3	White	solid and liquid particles and aerosols, dust, bacteria and viruses

#### MEANING OF PICTOGRAMS:

	Read the instructions before use!		Maximum humidity for storage		Temperature range for storage		End of shelf life year-month
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### USE

The term „Particle filter“ means that it contains particle filter element only. 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 P3, P3+ PARTICLE FILTERS

type P3 in combination with a suitable chemical protective mask or filter aid with auxiliary ventilation attached to a helmet or hood, the P3 filter forms a perfect protection of the individual against harmful solid and liquid particles, biologically solid and liquid aerosols, radioactive aerosols, dusts, bacteria and viruses. The filter meets the test against dolomite dust.

#### ATTENTION!

The filter must not be used:

- against gases
- 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%

#### 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.
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 - 30 °C to + 70 °C.

#### ATTENTION!

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



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### MAINTENANCE AND REPEATED USE OF FILTERS

#### For dust particles

The filter can be used repeatedly. In this case, close the filter with caps after use to prevent contamination of the surrounding area. Thoroughly clean the filter or disinfect its surface, place it in its original package and store it in a safe place.

#### For bacteria and viruses

The filter can be used repeatedly. The filter must be heat sterilized after each use at 75 °C for 60 minutes. The maximum amount of sterilization cycles is 12. Close the filter with caps after use to prevent contamination of the surrounding area. Thoroughly clean the filter or disinfect its surface, place it in its original package and store it in a safe place.

### 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.

#### 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.



The EU certificate of type examination No. 1024/E-084/2022 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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**Issued 2023/01**

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