



# TECHNICAL SPECIFICATIONS

NSN: 4240-16-008-4770

## P3

### PARTICLE FILTER

- ✓ 10 years shelf life
- ✓ Very durable material
- ✓ Against bacteria and viruses
- ✓ Low breathing resistance



Small tilting moment

Unique shape

Possibility of heat sterilization

P3

TH3 P R SL

TM3 P R SL

#### NOTICE:

The filter does not protect against toxic and harmful gases!

The P3 combination filter complies with the requirements of standards EN 14387:2021, EN 12941:1998+A2:2008, EN 12942:1998+A2:2008.

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 solid and liquid aerosols. It removes harmful solid and liquid particles, biologically solid and liquid aerosols, radioactive aerosols, dusts, bacteria and viruses from the passing air.

The **P3** filter can be used in employees of chemical, food and pharmaceutical plants, foundries and paint shops and also for the vulnerable population in adjacent areas, hospitals, laboratories and employees in the electronics and foil industry.

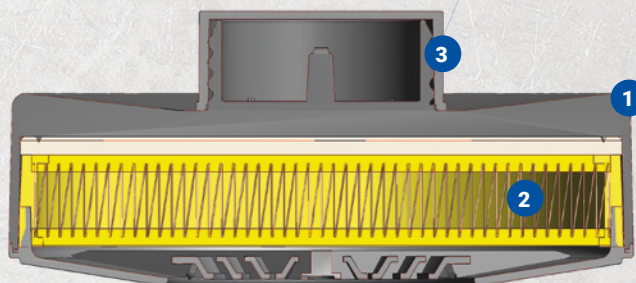
#### DESCRIPTION

The **filter body (1)** is made of a special, highly durable plastic, which is highly resistant to shocks and damage during use. It is black and has a matte finish. The new, unique shape of the filter reduces the tilting moment and is up to 1 cm lower than the original shape or other competing filters.

The highly efficient **filter element (2)**, meeting the standard EN 143:2021, is made of a special hydrophobic filter material of the HEPA14 class, which is characterized by excellent filtration efficiency while maintaining minimal breathing resistance.

The filter thread **(3)** Rd 40 x 1/7" meets the EN 148-1:2018 standard and the OZ 40x4 thread corresponds to the GOST 8762-75 standard.

The **P3** filter is non-metallic and non-magnetic.



1 – filter body; 2 – filter element; 3 – filter thread

#### SPECIFICATION

	Parameters	
Diameter x Height	110 x 47 mm	111 x 57 mm
Weight	115 g	120 g
Thread	Rd 40x1/7"	OZ 40x4
Colour	black	black
Body shape	comfort	standard

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## PERFORMANCE

### **Respiratory resistance**

max. 60 Pa at 30 l/min

max. 190 Pa at 95 l/min

### **Permeability**

Capture rate of dust, aerosol, bacteria and viruses of at least 99.995%.

## SCOPE OF APPLICATION

### **Temperature -30 °C to 70 °C**

The filters were exposed to high and low ambient temperatures without harmful effects.

### **Humidity 0 % to 95 % RH**

The filter retains its production properties in a wide range of humidity thanks to the hydrophobic material of the filter element.

### **Rain**

The filter retains its efficiency even in heavy rain conditions and is not prone to water ingress.

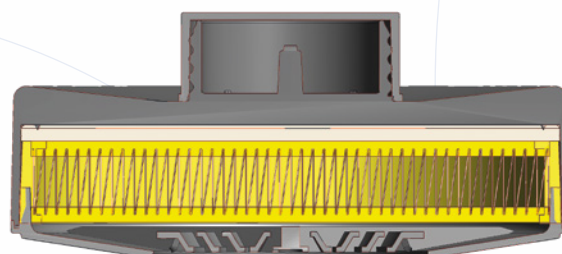
### **Sand and dust**

The filter is resistant to sand and dust, but due to the gradual clogging of the pores of the filter element during inhalation, the respiratory resistance has an increasing tendency. If breathing becomes difficult, replace the filter.

## STORAGE

The materials used and the method of construction of the filter were designed so that they retain their functionality and efficiency when stored in the original packaging.

The expected shelf life of the filter (closed and packaged) is 10 years when stored at -10 to +50 °C and <95 % relative humidity.



Comfort



Standard