

# FILTER

**Model: 100 P3**  
**P/N 124150000**

Particle filter with standard thread connection according to **EN 148-1** standard, for dusts, fumes, mists.

The filter can be used with Spasciani full-face masks type TR 82, TR 2002 CL2 and TR 2002 CL3 and halfmasks ST 85 or equivalent, provided that they are fitted with EN 148-1 connector. The filter has been successfully tested for compliance with EN 143.

The filter can be used also with con Powered Air Purifying Respirators (PAPR) Turbine 1708 and 1702 equipped with fullface mask and Turbine CFU, FU and H equipped with helmets and hoods. This filter complies with EN 12941 e 12942 standards.



## TECHNICAL DATA

### Tests according to EN 143

#### Breathing resistance

*Inhalation at 30 l/min (request <1.2 mbar): 0.8 mbar*

*Inhalation at 95 l/min (request <4.2 mbar): 2.3 mbar*

*Inhalation at 95 l/min after clogging (request <7.0 mbar): 3.3 mbar*

#### Particle filtration performance - Long duration

Filter type	Class	Test flow (l/min)	Test Aerosol	Penetration (%)		
				Max permitted	Measured*	Meas. after clogg.**
P	3	95	NaCl	0.05	< 0.003	< 0.003
			Paraffin Oil	0.05	< 0.003	< 0.003

\* After exposure to 120 mg of aerosols and after storage for 24 hours

\*\* Test after clogging with Dolomite dust. The "D" test is required only by EN 143:2000/A1:2006.

### Tests according to EN 12942

#### Breathing resistance (filter used with PAPR Turbine with fullface mask)

*Inhalation resistance 20 cycles/min x 1.5 l/stroke, power switched off (request <11 mbar): 1.8 mbar*

*Inhalation resistance 20 cycles/min x 1.5 l/stroke, power switched off, after clogging (request <11 mbar): 2.3 mbar*

*Inhalation resistance 25 cycles/min x 2 l/stroke, power switched on (request <3.5 mbar): 0.2 mbar*

*Inhalation resistance 25 cycles/min x 2 l/stroke, power switched on, after clogging (request <3.5 mbar): 0.3 mbar*

*Exhalation resistance 25 cycles/min x 2 l/stroke, power switched on (request <7 mbar): 4.6 mbar*

#### Particle filtration performance - Long duration

Filter type	Class	Test flow (l/min)	Test Aerosol	Penetration (%)		
				Max permitted	Measured*	Meas. after clogg.**
P R	S L	98	NaCl	0.05	< 0.003	< 0.003
			Paraffin Oil	0.05	< 0.003	< 0.003

\* After exposure to 120 mg of aerosols and after storage for 24 hours, as required by EN 12941:1998+A2:2008 and EN 12942:1998+A2:2008

\*\* Test after clogging with Dolomite dust

The R marking indicates that the filter is reusable for multiple shifts.

#### Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume (the permitted minimum oxygen concentration of ambient air is governed by national regulations) nor in presence of gases and vapours. The filter is reusable.

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## CLASSIFICATION

Filter complying with the provisions of Regulation **(EU) 2016/425 (PPE)**.

**Particle Filter, class P3**, to **EN 143:2021**. Filter also conforms to EN 143:2004/A1:2006 for the performance requirements.

**Particle Filter, class P R SL**, to **EN 12941:1998+A2:2008** and to **EN 12942:1998+A2:2008**.

The complete Turbine device with full face mask (Turbine TM 1702 and TM 1708) with 100 P3 filters is classified **TM3 P R S L**.

The complete Turbine device with hoods or helmets (Turbine CFU, FU, H) with 100 P3 filters is classified **TH2 P R S L**.

Label colour code: white

## MARKING

**CE 0426**

## MATERIALS

Housing: polypropylene

Filter Media: filtering paper

## STORAGE

Store at temperatures between -20 and +50°C and R.H. <80%.

## CHARACTERISTICS

Weight: 90 g (3.2 oz) approx.

Diameter max: 106 mm approx.

Height incl. thread: 62 mm approx.

Connection: Standard thread EN 148-1:2018

## DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 85 mm.

## SHELF LIFE

Filters duly stored and in their original packaging will last ten years from production. The expiry date is printed onto filter label and packaging.

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For more information please check the notes along with the products or the ones published on the website [www.spasciani.com](http://www.spasciani.com)

*NOTE: SPASCIANI SPA does not take any responsibility for any possible and unintentional mistake and reserve the faculty of modify materials and technical characteristics of its products at any time and without any notice. The pictures are purely indicative and may not represent the actual product described in the text.*