

FILTER

Model: 100 P3 R

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): 0.5 mbar

Inhalation at 95 l/min (request <4.2 mbar): 2.0 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 R	3	95	NaCl	0.05	< 0.003	< 0.003
			Paraffin Oil	0.05	< 0.003	< 0.003

* After exposure to 120 mg of paraffin oil and after storage for 24 hours

** Test after clogging with Dolomite dust

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 paraffin oil 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.



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Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases and vapours.

CLASSIFICATION

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

Particle Filter, class P3 R, to EN 143:2000/A1:2006.

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 R filters is classified **TM3 P R S L**.

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

Label colour code: white

MARKING



MATERIALS

Housing: polypropylene

Filter Media: filter paper

STORAGE

Store at temperatures between -20 and +50 °C and RH <80%

WEIGHT

90 g approximately

DIMENSIONS/PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 90 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.

For more information please check the notes along with the products or the ones published on the website: 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.