

## **FILTER**

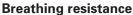
### Model: 100 P3 R P/N 124150000

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

The filter can be used with fullface 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 passed the tests for compliance with EN 12941 e 12942 standard.



Inhalation resistance with power switched off Inhalation resistance with power switched on Exhalation resistance with power switched on Inhalation resistance alter clogging

# 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 I/min after clogging (request <7.0 mbar): 3.3 mbar



Filter Type	Class	Test Flow	Test Aerosol (I/min)	Penetration Max required (%)	Penetration measured (%)	Penetration measured after clogging
PR	3	95	NaCl	0.05	< 0.003	< 0.003
			Paraffin Oil		0.05	< 0.003
< 0.003						

<sup>\*</sup> After exposure to 120 mg of paraffin oil and after storage for 24 hours.

#### Tests according to EN 12942

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

v a 20 cicli/min x 1.5 l/ciclo, ventilazione disattivata (request <11 mbar): 1.8 mbar

Inhalation resistancea 20 cicli/min x 1.5 l/ciclo, with power switched off after clogging (rrequest <11 mbar): 2.3 mbar

Inhalation resistancea 25 cicli/min x 2 l/ciclo, with power switched on (rrequest <3.5 mbar): 0.2 mbar Inhalation resistance a 25 cicli/min x 2 l/ciclo, with power switched on, after clogging (request <3.5 mbar): 0.3 mbar

Exhalation resistance a 25 cicli/min x 2 l/ciclo, with power switched on (request <7 mbar): 4.6 mbar www.spasciani.com



<sup>\*\*</sup> Clogging test with a concentration of Dolomite



## **FILTER**

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#### Particle filtration performance - Long duration

Inhalation resistance: a 95 l/min: 8.4 mbar (request < 10.5 bar)

Filter type	Class	Testi Flow	Test Aerosol	Penetration Max Allowed (%)	Penetration Max Measured* (%)
PR	SL	95		NaCl 0.05	< 0.003
				Paraffin oil0.05	< 0.003

<sup>\*</sup>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

#### Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume nor in presence of gases different from those clearly indicated.

#### **CLASSIFICATION**

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

Particle Filter, class P3 R, to EN143:2000 / A1:2006.

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

Combined Filter, class 2 for gas protection and particle filter class P3 R, to EN 14387:2004 + A1:2008 Label colour code: white

#### **MARKING**

CE

#### **MATERIALS**

Housing: polypropylene Filter Media: filter paper

#### **STORAGE**

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

#### **WEIGHT**

92 g approximately

#### **DIMENSIONS/PACKING**

The filter is sold in 4 piece boxes with dimensions 110 x 110 x 135 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. The pictures are purely indicative and may not represent the actual product described in the text.

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