

# 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.



## Breathing resistance

**Inhalation resistance with power switched off**

**Inhalation resistance with power switched on**

**Exhalation resistance with power switched on**

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

## Particle filtration performance - Long duration

| Filter Type | Class | Test Flow | Test Aerosol (l/min) | Penetration Max required (%) | Penetration measured (%) | Penetration measured after clogging |
|-------------|-------|-----------|----------------------|------------------------------|--------------------------|-------------------------------------|
| 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.

\*\* clogging test with a concentration of Dolomite

## 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 resistance a 20 cicli/min x 1.5 l/ciclo, with power switched off after clogging (request <11 mbar): 2.3 mbar

Inhalation resistance a 25 cicli/min x 2 l/ciclo, with power switched on (request <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



**YOUR SAFETY MAKER**

# FILTER

**Model: 100 P3 R**

**P/N 124150000**



## 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* (%) |
|-------------|-------|------------|--------------|-----------------------------|-------------------------------|
| P R         | SL    | 95         |              | NaCl 0.05                   | < 0.003                       |
|             |       |            |              | Paraffin oil 0.05           | < 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

## 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



## 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](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.*