

## 100 P3 R FILTER

(p/n: M40040-SP)



The 100 P3 R filter, with the standard thread connector (EN148-1, RD 40-1/7") can be used with the full face gas masks type SGE150, SGE 400/3 and SGE 400/3 BB, or equivalent and with the APA (Aria Protection adaptor) assembled on Ocean Reef snorkelling masks (Aria and UNO series). This filter protects against aerosols, particles, mist, fumes and dust.

### CLASSIFICATION

The 100 P3 R filter complies with the EU Regulation 2016/425 (see [www.mestelsafety.com](http://www.mestelsafety.com) for the Declaration of Conformity download).

**Class P3 R Filter** as particle filter, in conformity to EN 143:2000/A1:2006.

**R** marking means that the filter is reusable for more than one workshift.

**Label colour code:** white.

**Marking:** 

### TECHNICAL DATA

#### **Breathing Resistance (EN143)**

*Inhalation resistance*

- at 30 l/min (requirement < 1.2 mbar): 0.5 mbar
- at 95 l/min(requirement < 4.2 mbar): 2.0 mbar
- at 95 l/min after obstruction (requirement < 7.0 mbar): 3.3 mbar

### ***Long-Term Performance during the particles filtration (class 3)***

<b>FILTER TYPE</b>	<b>AEROSOL</b>	<b>MAX ALLOWED PENETRATION (%)</b>	<b>MEASURED PENETRATION* (%)</b>	<b>MEASURED PENETRATION AFTER CLOGGING** (%)</b>
P R	NaCl	0.05	< 0.003	< 0.003
	Paraffin oil	0.05	< 0.003	< 0.003

Testing condition: penetration flow: 95 l/min

\* After exposure to paraffin oil (120 mg) and 24 h storage

\*\* The filter is submitted to the clogging test with Dolomite dust

### **Limitations for the filter use**

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

## **MATERIALS**

Housing: polypropylene

Filter Media: non-woven fabric made by glass fiber

## **STORAGE**

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

## **WEIGHT**

92 g approximately

## **SHELF LIFE**

Filters duly stored and in their original packaging will last 10 years from production. The expiry date is printed out onto the filter label and its packaging.

*For more information, please check the notes along with the product. Mestel Safety 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.*