

# FILTER

**Model: 203 A2B2E2K2P3 R D**  
**P/N 124530000**

Combined filter with standard thread connector to **EN 148-1** for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO<sub>2</sub>), Ammonia (NH<sub>3</sub>) and its derivatives, dusts, fumes and mists.

The filter can be used with full face masks type **TR 82**, **TR 2002 CL2** and **TR 2002 CL3** or half-mask **ST85**, or equivalent, provided that they are fitted with EN 148-1 connector



## TECHNICAL DATA

### Breathing resistance

at 30 l/min: 1.8 mbar

at 95 l/min: 6.6 mbar

### Duration at gases

Filter type	Class	Test Gas	Test Concentration (PPM)	Test Flow (l/min)	Test HR (%)	Breakthrough concentration (PPM)	Duration Required (min)	Duration Tested (min)
A	2	C <sub>6</sub> H <sub>12</sub>	5000	30	70	10	35	48
B	2	Cl <sub>2</sub>	5000	30	70	0.5	20	32
		H <sub>2</sub> S	5000	30	70	10	40	46
		HCN	5000	30	70	10	25	>35
E	2	SO <sub>2</sub>	5000	30	70	5	20	28
K	2	NH <sub>3</sub>	5000	30	70	25	40	52

### Performance particle filtration

Filter type	Penetration (l/min)	Test Aerosol	Penetration Max Allowed (%)	Test 1 (%)	Test 2 (%)	Test 3 (%)
P R	95	NaCl	0.05	0.0019	0.0019	0.0008
		Paraffin oil	0.05	0.0007	0.0008	0.0009

Test Filter Type:

Test 1: Penetration (media calculated 30 sec after the test beginning)

Test 2: Max Penetration till 120 mg aerosol exposition

Test 3: Penetration (media calculated 30 sec after the test beginning) after 120 mg aerosol exposition and 24h storage

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## **"D" clogging test with Dolomite Dust.**

Filter is submitted to a clogging test with a concentration of Dolomite of 263 mg.h.m<sup>3</sup>.  
Inhalation resistance: a 95 l/min: 8.4 mbar (request < 10.5 bar)

Filter type	Testing Flow	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	95	NaCl	0.05	0.0008
		Paraffin oil	0.05	0.0008

Marking D means the filter passed the clogging test with Dolomite dust and it has high performance in dusty and sandy settings.

## **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**.

**Combined Filter, class 2** for gas protection and particle filter **class P3 R D**, to **EN 14387:2004 + A1:2008**.

Label colour code: brown, grey, yellow, green, white.

## **MARKING**



## **MATERIALS**

Housing: polypropylene

Filter Media: activated carbon and filter paper

## **STORAGE**

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

## **WEIGHT**

295 g approximately.

## **DIMENSIONS/PACKING**

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 110 mm

## **SHELF LIFE**

Filters duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and its 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)**

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