



# FILTER

Model: 203 A2B2E2K2HgP3

P/N 124540000

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 **ST 85**, 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: 6.0 mbar

### Duration at gases

Filter type	Class	Test Gas	Test Concentration (PPM)	Test Flow (l/min)	Test HR (%)	Breakthrough concentration (PPM)	Duration Required	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	28
		H <sub>2</sub> S	5000	30	70	10	40	46
		H <sub>2</sub> CN	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
Hg	/	Hg	1.6	30	70	0.1 mg/m <sup>3</sup>	100 h	>120 h

### Particle filtration performance

Filter type	Class	Test flow	Aerosol (%)	Pen Max allowed (%)	Test 1 (%)	Test 2 (%)
P	3	95 l/min	NaCl	0.05	0.009	0.0003
			Paraffin oil	0.05	0.002	0.0012

Test 1: Maximum penetration till 120 mg aerosol exposition

Test 2: Penetration after 120 mg aerosol exposition and 24 h storage



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## Limitations for use

Do not use in areas where the oxygen concentration is lower than 17% in volume (the permitted minimum oxygen concentration of ambient air is governed by national regulations) nor in presence of gases different from those clearly indicated. The filter is reusable. For type HgP3 Filter the maximum use duration is 50 h.

## CLASSIFICATION

Filter complying with the provisions of Regulation (EU) **2016/425**, as III Category PPE.

**Combined Filter, class 2** for gas protection + Hg and **class P3** for particle filter, according to **EN 14387:2021**.

Filter also conforms to EN 14387:2004+A1:2008 for the performance requirements.

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

## MARKING

**CE 0426**

## MATERIALS

Housing: polypropylene

Filter Media: activated carbon and filter paper

## STORAGE

Store at temperatures between -20 and +50°C and R.H. <80%.

## CHARACTERISTICS

Weight: 295 g (10.4 oz) approx.

Diameter max: 106 mm approx.

Height incl. thread: 100 mm approx.

Connection: standard thread EN 148-1:2018

## PACKING

The filter is sold in 4 piece boxes with dimensions 220 x 220 x 115 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.

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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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