

## FILTER

**Model: 204 UP3 A2B2E2K2 Hg P3 R CO NO**  
**P/N 124600000**

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

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



### TECHNICAL DATA

Inhalation resistance  
at 30 l/min: 1.8 mbar  
at 95 l/min: 6.9 mbar

### Breakthrough time

Filter type	Class	Gas	Concentration PPM	Flow l/min	HR %	Breakthrough concentration PPM	Breakthrough time min Required	Test
A	2	C <sub>6</sub> H <sub>12</sub>	5000	30	70	10	35	38
B	2	Cl <sub>2</sub>	5000	30	70	0.5	20	44
		H <sub>2</sub> S	5000	30	70	10	40	> 80
		HCN	5000	30	70	10	25	> 50
E	2	SO <sub>2</sub>	5000	30	70	5	20	26
K	2	NH <sub>3</sub>	5000	30	70	25	40	60
NO	/	NO	2500	30	70	5	20	> 40
		NO <sub>2</sub>	2500	30	70	5	20	> 40
Hg	/	Hg	1.6 ml/m <sup>3</sup>	30	70	0.1 ml/m <sup>3</sup>	>100h	> 120h
CO	20 min	CO	2500		20.7 g/m <sup>3</sup>			
			5000		a 23 - 25 °C	200	> 20	> 20
			10000		20x1.590 - 100 % UR			

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## Performance particle filtration – long duration test (P3 R)

Filter type	Class	Flow l/min	Challenge Aerosol	Max allowed Penetration %	Max measured Penetration %
P R	3	95	NaCl	0.05	0.006
			Paraffin oil	0.05	0.002

The filter has been tested and found in conformity with the so called “long duration” tests to EN 143:2000 +A1 2006, and therefore R means that, as far as the particle media is concerned, the filter can be used for more than one work shift.

### 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. The filter isn't suited for organic vapours whose boiling point is lower than 65 °C, etc.

WARNING: The filter can only be used once against CO and NOx and up to 50 hours against Hg.

### CLASSIFICATION

Filter complying with Directive **89/686/EEC (PPE)**

The filter is certified::

- 1 EN 14387:2004 for types **ABEK (classe 2), NO e Hg**
- 2 EN 143:2000 + A1:2006 for the particle filter media (classe **P3 R**)
- 3 DIN 58620 for protection against **CO** (class **20**)

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

### MARKING



### MATERIALS

Housing: Polypropylene

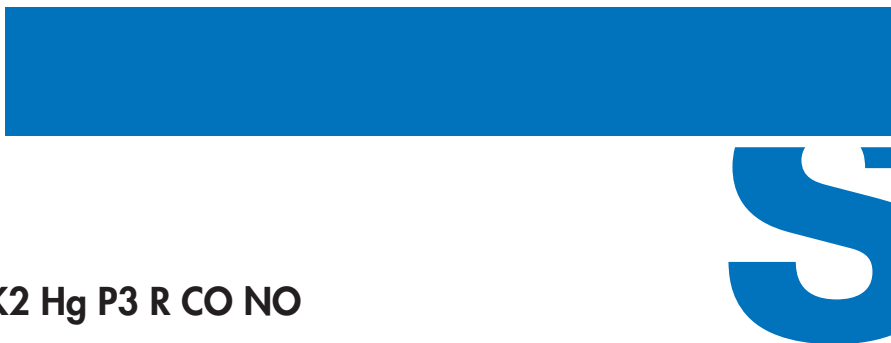
Filter Media: Activated Carbon and Filter paper.

### IMMAGAZZINAMENTO

Immagazzinare a temperature comprese tra -20 e +50 °C e con umidità relativa inferiore a 80%.

### WEIGHT

460 g (1 lb) approximately



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### **DIMENSIONS/PACKING**

The filter is wrapped in a multi-barrier foil and comes in carton boxes dimensions 110x110x135 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)

*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.*