



# FILTER

Model: 203 UP3

P/N 124600000

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, Mercury Vapours, Carbon Monoxide (CO), 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: 7.0 mbar

### Duration at gases

Filter type	Class	Testing Gas	Testing Concentration (PPM)	Testing Flow (l/min)	Testing 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	37
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
		SO <sub>2</sub>	5000	30	70	5	20	25
E	2	SO <sub>2</sub>	5000	30	70	5	20	25
K	2	NH <sub>3</sub>	5000	30	70	25	40	48
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	20x1.590 - 100 % UR	20.7 g/m <sup>3</sup> a 23 - 25 °C	200	> 20	> 20
			5000					
			10000					



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## Performance particle filtration – long duration test

Filter type	Class	Testing Flow (l/min)	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	3	95	NaCl	0.05	0.001
			Paraffin oil	0.05	0.002

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

Marking NR means that the filter cannot be used for more than one workshift.

### 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.

WARNING: The filter can only be used once against CO and NOx and up to 50 hours against Hg and for 20 min with CO.

### CLASSIFICATION

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

The filter is certified:

1 EN 14387:2004 + A1:2008 for types **ABEK (class 2), NO** and **Hg**

2 EN143:2000 / A1:2006 for the particle filter media (**class P3 R**)

3 DIN 58620 for protection against **CO (class 20)**

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

### MARKING



### MATERIALS

Housing: polypropylene

Filter Media: activated carbon and filter paper

### STORAGE

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



## **FILTER**

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### **DIMENSIONS/PACKING**

The filter is wrapped in a multi-barrier foil and is sold in 1 piece boxes with dimensions 110 x110 x135 mm

### **WEIGHT**

460 g (16.2 oz) approximately

### **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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