

# FILTER

Model: 203 A2B2E2K2HgP3 R D

P/N 12454000V

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: 6.0 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	28
		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
Hg	/	Hg	1.6	30	70	0.1 mg/m <sup>3</sup>	100 h	>120 h

### Particle filtration performance

Filter type	Penetration (l/min)	Test Aerosol	Max Allowed (%)	Penetration		
				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

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



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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	Test Flow	Test Aerosol	Penetration	
			Max Allowed (%)	Max measured (%)
P R D	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 (the permitted minimum oxygen concentration of ambient air is governed by national regulations) nor in presence of gases different from those clearly indicated. For type Hg P3 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 particle filter **class P3 R D**, to **EN 14387:2004 + A1:2008**.

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%

## WEIGHT

295 g approximately.

## DIMENSIONS/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.

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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