



FILTER

Model: 103 A1B1E1K1P3 R
P/N 114190000

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 (SO₂), Ammonia (NH₃) 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 equivalent and halfmask **ST 85** or equivalent if they are provided that they are fitted with EN 148-1 connector



TECHNICAL DATA

Breathing resistance

at 30 l/min: 2.0 mbar

at 95 l/min: 7.5 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	1	C ₆ H ₁₂	1000	30	70	10	70	86
B	1	Cl ₂	1000	30	70	0.5	20	65
		H ₂ S	1000	30	70	10	40	92
		HCN	1000	30	70	10	25	31
E	1	SO ₂	1000	30	70	5	20	43
K	1	NH ₃	1000	30	70	25	50	89

Performance particle filtration

Filter type/class	Penetration (l/min)	Test Aerosol	Penetration Max Allowed (%)	Test 1 (%)	Results Test 2 (%)	Test 3 (%)
P3 R	95	NaCl	0.05	0.029	0.0106	0.0162
		Paraffin oil	0.05	0.0056	0.0062	0.0078

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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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 is not indicated for organic vapours having boiling point lower than 65°C, Carbon Monoxide (CO), Nitrogen Oxides ecc.

CLASSIFICATION

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

Combined Filter, class 1 for gas protection and particle filter **class P3 R**, 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

160 g approximately.

DIMENSIONS/PACKING

The filter is sold in 1 piece boxes with dimensions 85x85x85.

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

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