



# CARTRIDGE

Model: 2040 A1B1E1K1P3 R

P/N 114080000

Combined filter with special snap-in connector 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, mists.

The cartridge shall be used in pairs with half masks **DUETTA** and **DUO** or full face masks type **TR 2002 CL2** and **TR 2002 CL3** with **DUPLA** adapter.



## TECHNICAL DATA

Inhalation resistance  
at 15 l/min: 1.2 mbar  
at 47.5 l/min: 3.9 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	1	C <sub>6</sub> H <sub>12</sub>	1000	15	70	10	70	80
B	1	Cl <sub>2</sub>	1000	15	70	0.5	20	49
		H <sub>2</sub> S	1000	15	70	10	40	>70
		HCN	1000	15	70	10	25	>35
E	1	SO <sub>2</sub>	1000	15	70	5	20	48
K	1	NH <sub>3</sub>	1000	15	70	25	50	>70

### Performance particle filtration – long duration test

Filter type	Class	Testing Flow (l/min)	Testing Aerosol	Penetration Max Allowed (%)	Penetration Max Measured (%)
P R	3	47.5	NaCl	0.05	0.0014
			Paraffin oil	0.05	0.0007

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.

## CLASSIFICATION

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

**Combined Cartridge / 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

125 g (4.4 oz) approximately

## DIMENSIONS / PACKING

Cartridge is sold in 4 piece boxes with dimensions 175 x 115 x 90 mm

## SHELF LIFE

Filters duly stored and in their original packaging will last five years from production. The expiry date is printed onto filter label and 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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