

CARTRIDGE

Model: 2040 A1B1E1K1HgP3

P/N 114090000

Combined filter with special snap-in connector for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO₂), Ammonia (NH₃) and its derivatives, Mercury vapour ND 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: 1.1 mbar

at 47.5 l/min: 3.4 mbar

Duration at gases

Filter type	Class	Test gas	Test gas conc. (ppm)	Test flow (l/min)	Test H.R. (%)	Breakthrough conc. di (ppm)	Min. duration required (min)	Average measured duration (min)
A	1	C ₆ H ₁₂	1000	15	70	10	70	>90
B	1	Cl ₂	1000	15	70	0.5	20	>50
		H ₂ S	1000	15	70	10	40	>80
		HCN	1000	15	70	10	25	>35
E	1	SO ₂	1000	15	70	5	20	>40
K	1	NH ₃	1000	15	70	25	50	>70
Hg	/	Hg	13 mg/m ³	15	70	0.1 mg/m ³	100 h	> 120 h

Particle filtration performance

Filter type	Class	Test flow	Aerosol (%)	Pen Max allowed (%)	Test 1 (%)	Test 2 (%)
P	3	47.5 l/min	NaCl	0.05	0.009	0.0003
			Paraffin oil	0.05	0.008	0.001

Test 1: Penetration after long exposure to test aerosols

Test 2: Penetration after long exposure to test aerosols and after 24 h storage

Limitations for use

Do not use in environments with oxygen concentrations below 17% by volume (values may differ in your country; consult your local regulations) and in the presence of gases and/or vapors other than those specifically indicated. Filters are to be used in pairs; after exhaustion, replace both filters at the same time. Use cartridges of the same type for both filter holders. The filter is reusable.

CLASSIFICATION

Filter complying with the provisions of **Regulation (EU) 2016/425**, as III Category **PPE**.

Combined filter, class 1 for gas protection **ABEK** and **Hg** and **class P3** for particle filter, according to **EN 14387:2021**.

Filter also conforms to EN 14387:2004+A1:2008 for the performance requirements.

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%.

CHARACTERISTICS

Weight: 115 g (4.1 oz) approx.

Diameter max: 87 mm

Height incl. thread: 58 mm

Connection: special snap-in connector

PACKING

Cartridge is sold in 4 piece boxes with dimensions 175 x 115 x 85 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.