

# NO & CO Filters

2 super-cartridges: A1B1E1K1NOC020-P3 & A2B2E2K1HgNOC020-P3



## SCOPE

The filtering device may be used only with DIN 40mm connection fullmasks and if the oxygen content of the air is sufficient (> 19.5%).

- Gases and vapours from organic compounds with a boiling point above 65°C
- Inorganic gases and vapours e.g. chlorine, hydrogen sulphide, hydrogen cyanide
- Acid gases and vapours e.g. sulphide anhydride
- Ammonia and organic ammonia derivatives
- Nitrogen oxides (single use)
- Carbon monoxide (single use)
- Solid and liquid, radioactive and toxic particles and micro-organisms, e.g. bacteria and viruses.
- Mercury vapours a,d mercury compounds for A2B2E2K1Hg NOCO20-P3 cartridges (**Hg filter max. lifetime: 50 hours / EN 14287:2004**)



**CFR22 A1B1E1K1 NO CO20 P3 R D**



**CFR32 A2B2E2K1 Hg NO CO20 P3 R D**

### Breathing resistance

30 l/min	1.33 mbar	2.6 mbar	1.61 mbar	2.6 mbar
95 l/min	4.87 mbar	9.8 mbar	5.98 mbar	9.8 mbar

### Filter capacity with 30l/min test gas (with negative pressure respiratory protection device)

	Test concentration	Test result	EN 14387 & 143 standard need	Test concentration	Test result	EN 14387 & 143 standard need
Cyclohexane C6H12	0.1 %/vol.	> 84 mn	mini 70 mn	0.5 %/vol.	49 min	mini 35 mn
Chlorine CL2	0.1 %/vol.	> 25 mn	mini 20 mn	0.5 %/vol.	> 25 min	mini 20 mn
Hydrogen sulphide H2S	0.1 %/vol.	> 67 mn	mini 40 mn	0.5 %/vol.	> 60 min	mini 40 mn
Hydrogen cyanide HCN	0.1 %/vol.	> 30 mn	mini 25 mn	0.5 %/vol.	> 30 min	mini 25 mn
Sulphur dioxide SO2	0.1 %/vol.	> 25 mn	mini 20 mn	0.5 %/vol.	> 25 min	mini 20 mn
Ammonia NH3	0.1 %/vol.	> 60 mn	mini 50 mn	0.1 %/vol.	> 60 min	mini 50 mn
Nitric oxide NO	0.25 %/vol.	> 25 min	mini 20 mn	0.25 %/vol.	49 min	mini 20 mn
Nitrogen dioxide NO2	0.25 %/vol.	51 mn	mini 20 mn	0.25 %/vol.	68 min	mini 20 mn
Carbon monoxide CO	0.25 %/vol.	> 20 mn	mini 20 mn	0.25 %/vol.	> 20 min	mini 20 mn
Carbon monoxide CO	0.5 %/vol.	> 20 mn	mini 20 mn	0.5 %/vol.	> 20 min	mini 20 mn
Carbon monoxide CO	0.1 %/vol.	> 20 mn	mini 20 mn	0.1 %/vol.	> 20 min	mini 20 mn
Mercury vapour Hg				(13 mg/m <sup>3</sup> )	> 105 h	100 h

### Penetration in the particles filter at 95l/min (EN143)

Sodium chloride NaCL (S)	< 0.0006 %	0.05 %	< 0.0006 %	0.05 %
Liquid paraffin	< 0.0006 %	0.05 %	< 0.0006 %	0.05 %

### Technical features

Weight	370 g / 500 g max with a full face mask	395 g / 500 g max with a full face mask
Height	95 mm	105 mm
Diameter	110 mm	110 mm
Opening diameter	50 mm	50 mm
Threaded connector	40 mm (EN 148-1)	40 mm (EN 148-1)
Case material	Reinforced polyamide	Reinforced polyamide
Storage duration	7 years (factory packed in an aluminium foil pouch)	7 years (factory packed in an aluminium foil pouch)
Storage temperature	-10 / +50°C	-10 / +50°C

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