

COGO SMOKE ESCAPE MASK



Run for your Life!



COGO SMOKE ESCAPE MASK

MODEL: DM-CO-01-YE

CE MARK: 0336

A personal respiratory protective device with visor, hood and built-in filter for escape from fire. Protects against smoke and CO (Carbon Monoxide) inhalation. Complies with European Standard EN-403.

FEATURES

- Easy to use. Dons within seconds. No adjustment straps.
- One size fits all.
- Strong, fire-resistant, elastic rubber hood, protects the entire head and seals comfortably at the neck.
- Large visor, made of flame retardant transparent film, allows a wide field of view.
- A unique breathing device (patent pending), enables rapid exhalation and improves the physiological conditions for the user, preventing built-up of heat or vapor inside the mask.
- A filtration unit containing low pressure electrostatic particle filter, impregnated charcoal cloth layers to absorb toxic gases and catalyst for Carbon Monoxide Oxidation. Training model available.

TECHNICAL DATA

Hood:

- Special Polychloroprene Latex Compound.
- Elongation at break: > 700%
- Tensile strength: > 150 kg/cm²
- Temperature resistance: 200°C
- Fire resistance as per the requirements of NFPA 701.

Visor:

ETFE film – Copolymer of Polytetrafluoroethylene + Ethylene monomer.

- Tensile strength: 50N/mm²
- Elongation at break: 450%
- Tear resistance: 500 N/mm
- Temperature resistance: 150°C
- Flame retardancy : UL 94 V-0
- Light transmission: > 95%

Breathing Device:

A device combining two valves for exhalation and inhalation + a soft mouthpiece, all in one unit.

Filter Assembly:

Two canisters containing:

- Electrostatic particle filter.
- Layers of impregnated activated charcoal cloth.
- Catalyst.
- Desiccant.

Filter Performance:

Test Gas	Challenge Concentration (ml/m ³)	Flow Rate (l/min)	Break-through Criteria (EN 403)	Break-through Time
Propenal (Acrolein)	100	30	> 15 min (at 0.5 ml/m ³)	20 min
Hydrogen Chloride (HCl)	1000	30	> 15 min (at 5 ml/m ³)	> 15 min
Hydrogen Cyanide (HCN)	400	30	> 15 min (at 10 ml/m ³)	> 15 min
Carbon Monoxide (CO)	10,000	30	Total amount of CO penetrated during 15 min < 200 ml	33 ml during 15 min

Test	Requirement (EN 403)	Test results
Particle filter penetration	< 6%	< 1.3%
Inhalation resistance	< 8 mbar	3.6 mbar
Exhalation resistance	< 3 mbar	1.1 mbar
CO ₂ content of inhalation air	< 2.0%	< 1.9%
Protection factor	> 50	> 50

General:

Approximate (package) dimensions: 10x12x14 cm

Approximate (package) weight: 650 gr