



OmniTOP
International Trade & Marketing LTD

distributor of

DURAM MASK
PERSONAL ESCAPE MASK



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 adjustments 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 resistant: 200°C
- > Fire-resistant to the requirements of NFPA 701

Visor:

ETFE film - a copolymer of Polytetrafluorethylene with Ethylene monomer

- > Tensile strength: 50 N/mm²
- > Elongation at break: 450%

- > Tear resistance: 500 N/mm
- > Temperature resistance: 150°C
- > Flame retardant: UL 94 V-O
- > 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)	Breakthrough Criteria (EN 403)	Breakthrough 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	33ml 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: 19x15x4 cm
- > Approximate (package) weight: 190-200 gr



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