

SR77-87 Smoke/escape hood

Smoke/escape hood for NBC (nuclear, biological, chemical) warfare agents, fire, smoke, toxic gases, particles and industrial chemicals



The SR 77 and SR 87 are specifically designed for escape purposes only. The hood enables the user to escape from a fire or a contaminated area. It is intended for once-only use, but can be fitted with fresh filters and re-sealed for future emergencies.

- Hood made of flame-retardant, chemical-resistant material
- Pre-assembled with a wide-spectrum filter for NBC, smoke and industrial chemical protection
- Vacuum-packed in sealed aluminum foil bag
- Storage pouch can be carried on the waist-belt, or in a briefcase or handbag
- Single-action fitting in seconds
- Can be worn with eye glasses
- Mask made of non-allergenic silicone for comfortable, secure fit
- Available in two sizes: small/medium and medium/large
- Fits most faces without special adjustments
- The SR 87 features external adjustments straps
- Large filter area for easy breathing
- Unique double-action valves
- Ideal for high-rise homes, offices, hotels, etc.



Protection against biological, chemical and nuclear particles and gases

The P3/P100 filter meets CDC (Center for Disease Control) requirements for protection against bacteria (such as anthrax, plague), viruses (e.g. smallpox, measles) and other biological warfare agents (sarin, nerve gas etc.)

Each filter has been tested individually.

The filter has been tested in accordance with European Standard EN 143 test protocol for particle filters, and has been found to filter out 99.99% of airborne particles.

Tests verify a 99.99% efficiency against paraffin oil aerosol with a particle size of 0.4 micron at a concentration up to 20 milligrams per cubic meter (airborne biological warfare agents such as anthrax typically have a diameter of 0.5 to 5 microns). Consequently, the filter stops 99.99% of the anthrax, smallpox, measles as well as nuclear particles.

WARNING

The hoods are intended to be used only to escape from a fire or a contaminated area — not to stay and fight the fire, or to work in the area. The hood provides protection only if the surrounding air has a sufficient oxygen content for human breathing.

Protection against smoke

The hood has been tested and approved in accordance with EN 403:1993 (European smoke escape hood standard). At present, there is no American standard for escape hoods.

The hood provides short-term protection against carbon monoxide, toxic gases and particles that may be emitted in a fire.

Contaminant

Resistance

	EN minimum requirement	SR77/87 hood requirement
Carbon monoxide CO, 0.25%	>15 minutes	~35 minutes
Carbon monoxide CO, 0.50%	>15 minutes	~35 minutes
Carbon monoxide CO, 0.75%	>15 minutes	~30 minutes
Carbon monoxide CO, 1.0%	>15 minutes	~30 minutes
Acrolein C ₃ H ₄ O	>15 minutes	>30 minutes*
Hydrogen chloride HCL	>15 minutes	>90 minutes*
Hydrogen cyanide HCN	>15 minutes	>45 minutes*
Filtration efficiency, paraffin oil	>94%	>99.99%

* Test interrupted — no breakthrough could be detected.

Protection against chemicals and warfare agents

The cartridge in the hood filters out both inorganic warfare agents such as cyanide, phosgene, and organic agents such as VX, sarin, tabun, mustard gas and lewisite, as well as industrial chemicals.

The following table shows only a few examples of tests conducted to establish the protection level of the hood against chemicals and warfare agents:

Contaminant

Resistance

Ammonia 1,000 ppm	>45 minutes
Ammonia 5,000 ppm	>20 minutes
Chlorine 1,000 ppm	>45 minutes
Cyclohexane 1,000 ppm	>50 minutes
Sulfur dioxide 1,000 ppm	>80 minutes
Sarin (GB) 1,000 mg/m ³ , 50 l/min constant flow	>30 minutes

Specifications

Shelf life:	5 years if unopened
Size of pack:	4.7" x 4.7" x 6.7"
	120 x 120 x 170 mm
Weight:	21 oz
	0.6 kg



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