SURVIVAIR®

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Survivair Opti-Fit™ CBRN Gas Mask

Protection for first responders.

Introducing the Survivair® Opti-Fit™ CBRN Gas Mask. Developed specifically for first responders in tactical, CBRN and riot control situations, the Opti-Fit CBRN Gas Mask provides respiratory protection from chemical, biological, radiological and nuclear agents in addition to Toxic Industrial Chemicals (TIMs) and riot control agents including CN, CS and pepper spray.

The CBRN Gas Mask is based on the popular Opti-Fit full facepiece APR. And because it features Survivair's superior, optically correct, single-piece polycarbonate lens, the Opti-Fit provides the widest field of vision available for critical, high-risk situations.

The CBRN Opti-Fit meets the NFPA 1994 standard on Protective Ensembles for Chemical/Biological Terrorism Incidents, 2001 Edition, Class 3 with the Dupont® Tychem® CPF3 non-encapsulating coverall suit with overhood.

Opti-Fit CBRN Gas Mask Features

Three sizes (small, medium and large) ensures excellent fit and protection for most facial sizes and shapes.

Anti-scratch coated polycarbonate lens is virtually free of distortion – provides excellent optics and visual acuity, making it applicable for tactical use where a full range of vision is important. Meets impact and penetration requirements of ANSI Z87.1-1989 (R-1998).

Optional hydration drink tube allows for quick hydration in an uncontaminated area.

Three-position canister mounting adaptable for various applications. Side mounting enables sighting of weapons from either left or right of the facepiece.

Superior field of vision – unobstructed view in critical situations where vision is essential.

Five-strap, silicone head harness easily adjusts and secures facepiece into place.

Durable, chemical resistant butyl rubber face skirt.

DIN-threaded 40 mm connectors make attaching and removing canisters to the front or on either side of the facepiece quick and easy.

Standard nose-cup reduces lens fogging.

NIOSH-approved with the Model 1690 CBRN Canister (NIOSH Cap-1 approved, # TC-14G-0272).

(Not shown) NIOSH-approved with the Model 1688 Canister— provides protection against a-choloracetophenone (CN), o-chlorobenzylidene malononitrile (CS) and includes a P100 filter for use against particulates such as pepper spray. (Refer to the Opti-Fit Tactical datasheet for CN/CS/P100 third party test results.)

Ordering Information

Item	Part #
Opti-Fit CBRN Mask – Small	759000
Opti-Fit CBRN Mask – Medium	769000
Opti-Fit CBRN Mask – Large	779000
CBRN Canister	169000
CN/CS/P100 Canister	168800
Opti-Fit CBRN Mask /w drink tube – Small	759020
Opti-Fit CBRN Mask /w drink tube – Medium	769020
Opti-Fit CBRN Mask /w drink tube – Large	779020

Accessories

Item	Part #
Spectacle Kit	962260
Gas Mask Carry Bag	763076
Neck Strap	702031
Nose Cup Kit – Small	702069
Nose Cup Kit – Medium	702070
Nose Cup Kit – Large	702071
Clear Peel-away Lens Cover – Quantity 25	702028
Anti-Fog Wipes – Quantity 100	981808

**Specifications, products and part numbers subject to change without notice*

Test Results on Model 1690 CBRN Canister

NIOSH CBRN Test Challenge and Breakthrough Concentrations

	Test Concentration (ppm)	Breakthrough[1] (ppm)
Ammonia	2500	12.5
Cyanogen Chloride	300	2
Cyclohexane	2600	10
Formaldehyde	500	1
Hydrogen Cyanide	940	4.7[2]
Hydrogen Sulfide	1000	5
Nitrogen Dioxide	200	1ppm NO_2 25 ppm NO[3]
Phosgene	250	1.25
Phosphine	300	0.3
Sulfur Dioxide	1500	5

[1] Maximum breakthrough concentrations for greater than 15 minutes.

[2] Sum of HCN and C_2N_2

[3] Nitrogen dioxide breakthrough is monitored for both NO_2 and NO. Breakthrough is determined by which chemical reached breakthrough first.

WARNING:
This document provides only an overview of the respiratory products shown. It does not provide important product warnings and instructions. Survivair recommends all users of respiratory equipment undergo thorough training and that all warnings and instructions provided with the products be thoroughly read and understood prior to use. Failure to read and follow all product warnings and instructions may result in serious personal injury, illness or death.

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