



>>> **RESPIRATORY PROTECTION**

## **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 Survivair Opti-Fit CBRN gas mask provides respiratory protection from certain 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 Survivair Opti-Fit full facepiece APR. And because it features a superior, optically correct, single-piece polycarbonate lens, the Survivair Opti-Fit provides the widest field of vision available for critical, high-risk situations.



The CBRN Survivair 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 overhead.

## 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).
- **Three-position canister mounting** adaptable for various applications. Side mounting enables sighting of weapons from either left or right of the facepiece.
- **Optional hydration drink tube** allows for quick hydration in an uncontaminated area.
- **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.**
- **Standard nose-cup** reduces lens fogging.
- **DIN-threaded 40 mm connectors** make attaching and removing canisters to the front or on either side of the facepiece quick and easy.
- **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-chloracetophenone (CN), o-chlorobenzylidene malononitrile (CS) and includes a P100 filter for use against particulates such as pepper spray. (Refer to the Survivair Opti-Fit Tactical datasheet for CN/CS/P100 third party test results.)

## Ordering Information

Item	Part #
Survivair Opti-Fit CBRN Mask, Small	759000
Survivair Opti-Fit CBRN Mask, Medium	769000
Survivair Opti-Fit CBRN Mask, Large	779000
Survivair Opti-Fit CBRN Mask w/drink tube, Small	759020
Survivair Opti-Fit CBRN Mask w/drink tube, Medium	769020
Survivair Opti-Fit CBRN Mask w/drink tube, Large	779020
CBRN Canister	169000
CN/CS/P100 Canister	168800
<b>Accessories</b>	
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

**For ordering and technical assistance, call 800.821.7236 • www.survivair.com**

## Test Results on Model 1690 CBRN Canister

NIOSH CBRN Test Challenge and Breakthrough Concentration		
	Test Concentration (ppm)	Breakthrough* (ppm)
Ammonia	2500	12.5
Cyanogen Chloride	300	2
Cyclohexane	2600	10
Formaldehyde	500	1
Hydrogen Cyanide	940	4.7**
Hydrogen Sulfide	1000	5
Nitrogen Dioxide***	200	1 ppm NO <sub>2</sub> 25 ppm NO
Phosgene	250	1.25
Phosphine	300	0.3
Sulfur Dioxide	1500	5

\* Maximum breakthrough concentrations for greater than 15 minutes.

\*\* Sum of HCN and C<sub>2</sub>N<sub>2</sub>.

\*\*\* Nitrogen dioxide breakthrough is monitored for both NO<sub>2</sub> 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.

These products and/or technical data is subject to the U.S. Export Administration Regulations and may require the approval of the U.S. Department of Commerce prior to export or re-export.