The Ultimate Tactical CBRN Survivability Mask

QuickPro

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Proven Protection
- Meets or exceeds U.S. Department of Defense performance requirements
- High efficiency particulate filter
- High performance chemical filter and protective hood

Compact & Light Weight
- Minimal carry burden

Single Size
- Reduced inventory requirements
- Eliminates the need for multiple sizes
- Greatly simplified logistics

Vacuum Sealed
- Maintenance free

Disposable After Use
- No decontamination required

Reduced Life Cycle Costs
- Single size inventory
- No fit testing
- No maintenance
- No spare parts
- No decontamination
- Five year shelf life

Battery Free Device
- Extended wear time

No Electrical Or Electronic Components
- Maximum reliability
- Unaffected by electro magnetic pulse
- Silent operation

Protection Factor (PF)
- 95% pass at 1000 PF
- 80% pass at 20,000 PF

Size Matters
- In a toxic environment, emergency donning is is accomplished in seconds
- QuickPro is compact (6.0" x 4.5" x 3.5" package size), lightweight and ready for instant use.
- Each QuickPro unit is individually packaged and sealed in dual non-reusable vacuum bags.

Proven Protective Capabilities
QuickPro has a high capacity filter, a vapor-tight hood and nosecup. These features combine to provide the wearer with excellent head, eye and respiratory protection. QuickPro is a universal fit device, which simplifies inventory management and eliminates the need to match a specific respirator size to a specific individual. The key components are an advanced chemical resistant hood with integrated visor, OmniFit® nosecup, filter cartridge and neckdam.

Advanced Hood
The QuickPro hood protects the entire head and is made from Zytron® 300, a lightweight, highly chemical resistant fabric. A comfortable spunbond interior absorbs moisture and does not stick to human skin. Its opaque design blocks solar input to reduce heat inside the hood. These features give the QuickPro hood a long duration wear time.

Visor
The visor has a permanent anti-fog coating and provides the wearer with a maximum field of view and reduced glare.

OmniFit® Breathing Interface
The wearer is able to breathe by means of an OmniFit nosecup, which is sealed through the front of the hood and attached to the chemical-biological filter cartridge. The OmniFit breathing interface is designed to provide a universal fit.

Filter Cartridge
The filter cartridge includes military carbon, and is positioned in front of and below the wearer's mouth. A P100 filter is sealed to the front of the cartridge.

Neckdam
The elastic neckdam, made of neoprene rubber, seals the hood interior from the external environment. The neckdam automatically adjusts to fit more than 95% of the adult population.

PRODUCT SPECIFICATIONS: GENERAL	
Product Name	QuickPro
Product Classification	Hooded CBRN Respirator
Agents Tested	CK, HD, GB, Commercial Toxic Industrial Chemicals
Tested By	Edgewood Chemical Biological Center AJE Testing and Research
Shelf Life	5 years in original packaging
Recommended Storage Temperature	32°F-130°F
Packaged Dimensions	6.0" length x 4.5" width x 3.5" height
Approximate Weight	1.11 pounds (unpackaged) 1.47 pounds (packaged)
Average Donning Time	30 seconds or less average
Country of Origin	U.S.A.
Respiratory Protection Factor	95% pass at 1000 PF 80% pass at 20,000 PF

PRODUCT SPECIFICATIONS: HOOD

Material	Zytron® 300 (multi-layered chemical protective fabric)
Color	Black
Visor	Polyester with permanent anti-fog coating inside
Neckdam	Neoprene automatically adjusts to fit 95% of adult population

PRODUCT SPECIFICATIONS: FILTER CARTRIDGE

Breathing Interface	Silicone Nosecup
Carbon	ASZM-TEDA
Exhalation Valve	Silicone
Exhalation Valve Cover	Dual port, high volume purged protection zone
Inhalation Resistance	Less than 32mm H_20 @ 85lpm
Exhalation Resistance	Less than 13mm H_20 @ 85lpm

CARTRIDGE SERVICE LIFE TEST RESULTS

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Cyanogen Chloride (CK)	1000 mg/m³	8 mg/m³	Call GENTEX For Details
Sarin (GB)	1000 mg/m³	.008 mg/m³	
Mustard (HD)	200 mg/m³	.04 mg/m³	
DMMP	2000 mg/m³	CT=70,000 mg-min/m³	
Sulfur Dioxide ($S0_2$)	750 ppm	5 ppm	
Phosgene	125 ppm	1.25 ppm	
Cyanogen Chloride	150 ppm	2 ppm	
Cyclohexane	1300 ppm	10 ppm	
Chlorine	300 ppm	3 ppm	
Hydrogen Cyanide	470 ppm	10 ppm	
Nitrogen Dioxide	100 ppm	1 ppm ($N0_2$)	
Hydrogen Sulfide	500 ppm	30 ppm	
Phosphine	150 ppm	0.5 ppm	

COMPLETE HOOD SYSTEM – SMARTMAN TEST RESULTS

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Sarin (GB)	Ct = 10,000-15,000 mg-min/m³	Ct = 3 mg-min/m³	Call GENTEX For Details
Mustard (HD)	Ct = 1500-3000 mg-min/m³	Ct = 50 mg-min/m³	

* Challenge Concentration Decay after Challenge Ct is met. Decay begins after 10 minutes for GB and 30 minutes for HD.

Glossary:

CBRN - Chemical Biological Radiological Nuclear

CK - Cyanogen Chloride (Blood Agent)

GB - Sarin (Nerve Agent)

HD - Mustard (Blister Agent)

PF - Protection Factor

GENTEX®

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GENTEX®

M52 Joint Service Chemical Environmental Survivability Mask (JSCESM)

- DoD Qualified/Approved
- NSN 4240-01-517-8455
- Part of the JPM-IP Product Portfolio

The **M52 JSCESM** is a commercial off-the-shelf, lightweight, low bulk, short duration protective mask/hood capable of providing warfighters with above the neck, respiratory and ocular protection against low-level threat Chemical, Biological, Radiological, and Nuclear (CBRN) attacks. The JSCESM protects against non-direct contact hazards, such as chemical vapors, fumes, and airborne biological and radiological particulate hazards. JSCESM is used when the standard issued equipment (e.g. M40, MCU-2/P, ect.) is not practical.

Mission:
Provide warfighters with above the neck, respiratory, and ocular protection against low-level threat CBRN attacks.

User:
U.S. Special Operations Command and U.S. Air Force, or any other DoD/Civilian users requiring CBRN protection.

FEATURES:

- Military/tactical design: opaque hood, no blower/battery
- Ultra small packaged/stowed volume, 4" x 7" x 4.75"
- Soft pouch stowage facilitates user mounted wear
- One size fits all
- Weight ≤ 1.2 lbs.
- Disposable, one-time use, with no repair or spare parts
- Provides more than two hours of continuous above-the-neck protection against low-level vapor, aerosol and particulate threats
- Capable of operation for 0 to 49° C and between 5% to 100% relative humidity
- 5-year shelf life

ORDERING INFORMATION

Item Name/Description	GENTEX Part Number
M52 JSCESM Hood and Pouch	G052-1040-01
Soft Pouch, Spare	G052-1038-01
Training Hood	G052-4034-01

CARTRIDGE SERVICE LIFE

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Cyanogen Chloride (CK)	1000 mg/m³	8 mg/m³	CALL GENTEX FOR DETAILS
Sarin (GB)	1000 mg/m³	.008 mg/m³	
Mustard (HD)	200 mg/m³	.04 mg/m³	
DMMP	2000 mg/m³	CT=70,000 mg-min/m³	
Sulfur Dioxide (SO_2)	750 ppm	5 ppm	
Phosgene	125 ppm	1.25 ppm	
Cyanogen Chloride	150 ppm	2 ppm	
Cyclohexane	1300 ppm	10 ppm	
Chlorine	300 ppm	3 ppm	
Hydrogen Cyanide	470 ppm	10 ppm	
Nitrogen Dioxide	100 ppm	1 ppm (NO_2)	
Hydrogen Sulfide	500 ppm	30 ppm	
Phosphine	150 ppm	0.5 ppm	

LIVE AGENT TESTING

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Sarin (GB)	Ct = 10,000-15,000 mg-min/m³	Ct = 3 mg-min/m³	CALL GENTEX FOR DETAILS
Mustard (HD)	Ct = 1500-3000 mg-min/m³	Ct = 50 mg-min/m³	

Challenge Concentration Decays after Ct is met. Decay begins after 10 minutes for GB and 30 minutes for HD.

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Sarin (GB)	1000 mg/m³	.008 mg/m³	> 60
Mustard (HD)	200 mg/m³	.04 mg/m³	> 60
DMMP	2000 mg/m³	CT=70,000 mg-min/m³	> 30
Sulfur Dioxide (SO_2)	750 ppm	5 ppm	> 30
Phosgene	125 ppm	1.25 ppm	> 100
Cyanogen Chloride	150 ppm	2 ppm	> 100
Cyclohexane	1300 ppm	10 ppm	> 30
Chlorine	300 ppm	3 ppm	> 100
Hydrogen Cyanide	470 ppm	10 ppm	> 100
Nitrogen Dioxide	100 ppm	1 ppm (NO_2)	> 100
Hydrogen Sulfide	500 ppm	30 ppm	> 100
Phosphine	150 ppm	0.5 ppm	> 100

LIVE AGENT TESTING

Challenge Agent	Challenge Concentration	Breakthrough Concentration	Service Time Until Breakthrough (Minutes)
Sarin (GB)	Ct = 10,000-15,000 mg-min/m³	Ct = 3 mg-min/m³	> 360
Mustard (HD)	Ct = 1500-3000 mg-min/m³	Ct = 50 mg-min/m³	> 360

Challenge Concentration Decays after Ct is met. Decay begins after 10 minutes for GB and 30 minutes for HD.