Air-Purifying Respirators: First Responder/First Receiver

Respirators for Riot Control

The Millennium Riot Control Mask and the Advantage 10000 Riot Control Masks are NIOSH-approved for protection against CN and CS Riot Control Agents, and P100 particulate efficiency level.

Millennium® Riot Control Gas Mask

A Hycar version of the reliable military-style gas mask (MCU-2/P Mask, used by the U.S. Air Force in Desert Storm) that combines high performance, customized fit, comfort, and cost efficiency.

- Flexible, 1-piece polyurethane lens with wide field of vision is bonded to durable Hycar rubber facepiece
- Dual-canister mount (NATO 40mm thread) allows weapon sighting from either shoulder
- Drinking tube provides connection for fluid ingestion in contaminated atmospheres
- Fully elastic, 6-point head harness promotes easy on/off, easy adjustment, no hair pulling
- Internal nosecup with 2 check valves deflects air from the lens, reduces fogging
- Standard mechanical speaking diaphragm included, or add MSA's optional ESP® II Communications System
- NIOSH -approved (No. TC-14G-0254) for protection against chloroacetophenone (CN), chlorobenzylidene (CS), P100 particulate efficiency level, and particulates

Advantage® 1000 Riot Control Gas Mask

A clean, simplified respirator with Hycar facepiece (based on a proven facepiece design developed for the U.S. Armed Forces) that's up to 40% lighter than conventional full-face respirators and gives high performance, customized fit, comfort, economy, and user acceptance.

- Flexible, 1-piece polyurethane lens with wide field of vision is bonded to durable Hycar rubber facepiece
- Dual-canister mount (bayonet mount) allows weapon sighting from either shoulder
- Fully elastic, 6-point head harness promotes easy on/off, easy adjustment, no hair pulling
- Standard nosecup helps eliminate lens fogging
- Standard mechanical speaking diaphragm included, or add MSA's optional ESP II Communications System
- NIOSH-approved (No. TC-14G-0235) for protection against chloroacetophenone (CN), chlorobenzylidene (CS), P100 particulate efficiency level, and particulates

Millennium Riot Control Mask	
With nosecup, drinking tube, and clear polycarbonate outsert. Order canisters separately.	
Small	10051286
Medium	10051287
Large	10051288
Millennium Riot Control Canisters	
Millennium RC Canisters, box of 6	818264
Advantage 1000 Riot Control Gas Mask	
Complete with canister, nosecup, and identification tag.	
Small	813860
Medium	813859
Large	813861
Advantage 1000 Riot Control Canisters	
Advantage 1000 RC Canisters, box of 6	817590

Millennium and Advantage Accessories		
ESP® II Communications System		
The ESP II Communications System, a 1-piece, self-contained, electronic speech projection device, allows wearers to speak normally, yet be heard loud and clear.		
ESP Communications System for Millennium and Advantage 1000 Facepieces (less battery)		10026265
Lens Outsert		
Polycarbonate lens outsert snaps into place over Millennium or Advantage 1000 facepiece lens, providing additional impact protection. Tinted outsert helps conceal identity (suitable only when sufficient light exists).		
For Millennium Facepiece	**Small**	**Medium/Large**
Clear lens outsert	10008907	10008906
Tinted lens outsert	10008909	10008908
For Advantage 1000 Facepiece	**Small**	**Medium/Large**
Clear	806463	806462
Tinted	806465	806464
Other Accessories		
Gas Mask Pouch, Military Style		10034184
Black Nylon Bag		817040
Advantage 1000/Millennium Spectacle Kit		816137
Butyl-Coated Nylon Hood		305022

See pp. 135–144 for MSA's Police Line: Body & Tactical Armor and Combat Helmets

Respirators for Homeland Security

Millennium® CBRN Gas Mask

The new NIOSH government CBRN standard for full-facepiece gas masks was issued on March 7, 2003. After extensive testing to that standard, MSA's Millennium CBRN Gas Mask was first to receive NIOSH certification as "compliant against CBRN".

A Hycar version of the reliable military-style gas mask (MCU-2/P Mask, used by U.S. Air Force in Desert Storm) that combines high performance, customized fit, comfort and cost efficiency.

- Flexible, 1-piece polyurethane lens with wide field of vision is bonded to durable Hycar rubber facepiece.
- Dual-canister mount allows weapon sighting from either shoulder
- Drinking tube provides connection for fluid ingestion in contaminated atmospheres
- Fully elastic, 6-point head harness promotes easy on/off and adjustment, with no hair pulling
- Internal nose cup with 2 check valves, deflects air from the lens, reduces fogging
- CBRN canister containing chemical sorbents and a P100 filter to attract, retain and neutralize contaminants
- Standard mechanical speaking diaphragm included, or add MSA's optional ESP® II Communications System
- Optional butyl-coated nylon hood for total head protection
- NIOSH-approved (No. TC-14G-0270) for protection at a CBRN Cap 1 rating

Millennium CBRN Gas Mask	
With nosecup, drinking tube, and clear polycarbonate outsert. Order canister separately.	
Small	10051286
Medium	10051287
Large	10051288
Millennium CBRN Canister	
MSA CBRN Canister	10046570

For Millennium Gas Mask accessories, see p. 14.

Ultra Elite® CBRN Gas Mask

Safety

- Super-soft black Hycar rubber exceeds the CBRN permeation requirements
- Large lens with 83% unimpeded vision
- Centrally located inlet port for secure, comfortable fit and feel
- Centrally located mechanical speaking diaphragm for clear communications
- Optional ClearCommand® Amplifier for increased communication capabilities

Simplicity

- Available with a 5-point rubber or SpeeD-ON® head harness
- Identical sealing surfaces for both SCBA and Gas Mask facepieces—eliminating the need for redundant fit testing
- Simplified respiratory protection training program

Reliability

- The Ultra Elite facepiece is fire-service proven, with over a decade of trusted use
- MSA has been making gas masks since World War I
- Largest supplier of gas masks to the law enforcement market

Ultra Elite CBRN Gas Mask		
Size	**with rubber Head Harness**	**with SpeeD-On Head Harness**
Small	10052776	10052780
Medium	10052781	10052779
Large	10052778	10052777
Canisters & Cartridges		
MSA CBRN Canister		10046570

Air-Purifying Respirators: First Responder/First Receiver

Responder™ CBRN PAPR (Powered Air-Purifying Respirator)

A belt-mounted powered air-purifying respirator with choice of 2 proven tight-fitting facepieces in 3 sizes. The motor/blower provides constant air flow of a minimum 115 lpm to the facepiece via the breathing tube. Can be used with CBRN cartridge or with the OptiFilter XL or PAPR GME Multigas HE cartridge for tactical operations.

- Protects wearers for up to 8 hours under many hazardous conditions
- First CBRN-approved PAPR with a tight-fitting facepiece
- Choice of 2 proven positive-pressure facepieces, the MSA Millennium and the MSA Ultra Elite
- Choice of CBRN cartridge or multi-gas / particulate chemical cartridges for non-CBRN use

MSA's Responder CBRN PAPR system is ideal for military and special operations personnel who need non-IDLH respiratory protection for an extended period of time.

Industry trusted, with over 50,000 C420's fielded in various U.S. military programs, the C420 Motor-Blower is ideal for filtering contaminants from ambient air and providing a constant airflow of at least 115 lpm to the user's facepiece, providing a twenty times greater OSHA assigned protection factor than APR, due to positive pressure in the mask.

The C420 is available with 2 batteries that have the ability to be "hot-swapped" during warm environment use. The Lithium-Sulfur Dioxide mission battery has an 8 hour run-time. The Nickel Metal Hydride rechargeable battery has a 4 hour run-time. The motor / blower will not interfere with radio communications as it is EMI shielded to MIL-STD-461C.

The C420 comes complete with the motor-blower, belt, airflow indicator and breathing tube.

Responder CBRN PAPR Complete Systems

You must choose C420 PAPR Kit, facepiece, and cartridge for complete system.

C420 PAPR Kits (less facepiece and cartridge)

Part No.	Description
B-60141-030	C420 PAPR Kit with 30" Breathing Tube
B-60141-036	C420 PAPR Kit with 36" Breathing Tube

Gas Mask Facepieces with Head Harness (less cartridge)

Facepiece	Material	Head Harness	Size		
			Small	Medium	Large
Millennium	Hycar	6-point elastic	10051286	10051287	10051288
Ultra Elite	Hycar	rubber	10052776	10052781	10052778
Ultra Elite	Hycar	SpeeD-ON	10052780	10052779	10052777

Cartridges

Part No.	Description
10046570	PAPR Responder* cartridge, each
496081	OptiFilter XL cartridge, 6 pack
10072237	PAPR GME Multigas HE cartridge, each

*Designed to meet new NIOSH CBRN PAPR Requirements.

Accessories for Responder PAPR

Part No.	Description
B-20040-001	NiMH Rechargeable Kit (2 NiMH Batteries, Charger & Cap)
S-20036	NiMH Rechargeable Battery Pack
B-20090-001	NiMH Rapid Battery Charger
M-20020	LiSO2 Mission Battery
B-30060-001	NiMH Rechargeable Battery Cap Assembly
S-30019	Web Belt Assembly
B-10079-001	PAPR Carrying Case

About the new CBRN PAPR Standard

NIOSH released a CBRN standard for powered air-purifying respirators (PAPRs) in October 2006. NIOSH conducted product testing and issued approvals to MSA's Responder PAPR, which was the first PAPR with a tight-fitting facepiece to pass the NIOSH requirements.