

M69™

THE AIRCREW MASK



Advanced Air Purifying Respirator

AVON
PROTECTION

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Based on the proven M53 specialist mask platform, the AM69 has been specifically developed to meet the unique requirements of aircrew wearers who require CBRN respiratory protection at varying altitudes.

Developed for the US Department of Defense, the M69 sets a new level of performance and capability to meet the changing needs of today's modern aircrew. Leveraging the core features of the M53 mask, the platform delivers the lowest cost of ownership of any fixed wing aircrew system.

Additional mask features include integrated valsalva for inner ear equalization, auto compensating exhalation valve and remote mounted filter system that integrates with aircraft oxygen in the event of a rapid decompression event.

The M69 provides excellent protection against traditional chemical and biological warfare agents, select toxic industrial materials (TIMs) and particulate matter including radioactive dust.

This new generation of fixed wing aircrew mask from Avon, compliments the widely used M50, M53 and M53A1 ground masks to allow for reduced logistical burden and training.

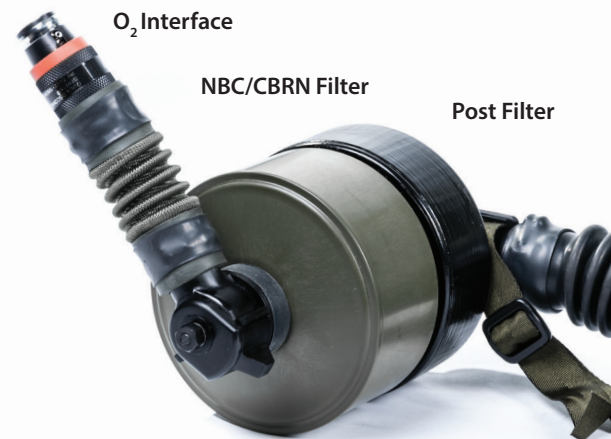
APPLICATIONS

- Fixed Wing Military Aircraft (Non-fast jet)
- Pressure breathing for altitudes up to 40,000 Feet
- Non-eject positions
- Non-high-G applications
- Compatible with aircraft fitted with CRU-73/A and CRU-103 regulated oxygen systems.



CBRN PROTECTION

- Low profile butyl hose remote mounts filter for improved integration
- CBRN filter with additional post filter module
- Optional connection system to aircraft oxygen supply
- Gore Chempak hood and proven Avon materials deliver >12 hrs CBRN liquid protection



SIMPLE OPERATION



- Integrated Valsalva allows wearer to equalize inner ear during altitude changes
- Miniature compensation exhale valve allows mask use on ground and up to 40,000 ft (12,000 m)
- Soft elasticated head harness allows for <9 second donning time
- Fail safe hydration system, compatible with canteens



ACCESSORIES/OPTIONS

OPTIMIZED INTEGRATION



- Compatible with most aircraft communication systems, voice amplifier & radio lead options
- Integrates with combat uniform, helmets and ballistic vests
- 4 sizes of chlorobutyl facepiece to fit 5-95% of users
- 5 interchangeable silicone nose cups for optimum fit and comfort

SUPERIOR VISION



- Optically correct panoramic visor, will not yellow or mist over time
- Triple edge bonded visor system eliminates any delamination issues
- Range of optically correct outserts including additional ballistic protection, sunlight and laser
- Vision correction system allows for -8 to +10 diopter lenses

TECHNICAL DATA

Mission Duration	Typical >12 Hrs
Ceiling Height	40,000 Ft (12,100 Meters)
Protection Factor	>10,000:1
Rebreathed CO2	<1%
Chemical Liquid challenge	>12 Hrs against Mustard/Sarin/Soman/VX
Filtration	C2A1
Visor Material	Flexible Polyurethane
Facepiece Material	Chlorobutyl Silicone Blend
Weight w/ Hose and Hood	3.7 lbs (1.68Kg)
Facepiece Sizes	4 (Large, Medium, Small & X Small)
Nosecup Sizes	5 (Xlarge, Large, Medium, Small & X Small)
Visual FOV Score	96% to NIOSH CBRN STD
Drinking Flow rate	>230ml/min

Information contained within this datasheet is subject to change.

The M69 respirator currently falls within the definition of Significant Military Equipment in the United States Munitions List, International Traffic in Arms Regulations and may only be supplied outside the United States of America to customers who are licensed by the US Department of State, Directorate of Defense Trade Controls.

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