

FM53™

ONE MASK, ALL MISSIONS

Based on the US Government JSGPM (Joint Services General Purpose Mask) Program, the 53-Series Protective Mask was specifically developed to meet the unique requirements of Special Operations Units.

The 53-Series Protective Mask was developed to counter the multiple threats encountered on the modern battlefield, war on terrorism and peace keeping operations around the world. It provides excellent protection against traditional chemical and biological warfare agents, select Toxic Industrial Materials (TIMs) and particulate matter including radioactive dust threats to the operator as well as provides operational flexibility to tactical commanders.



National Institute for
Occupational Safety and Health
NIOSH

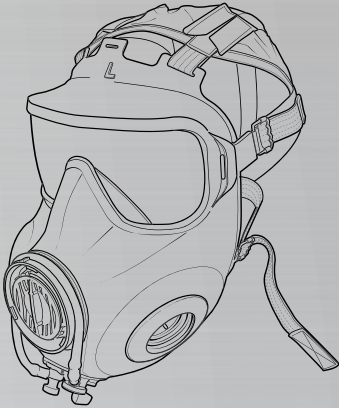
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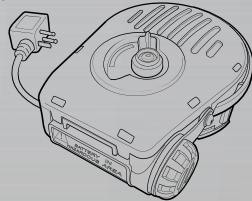
- The flexible poly-urethane eyelens minimizes eye stress and maximizes field of view. The eyelens provides improved ballistic protection as well as excellent scratch resistance. Additional outserts are available to provide sunlight and laser protection. A clear outsert is also offered for additional scratch protection in extreme environments and blue blocker to reduce haze while also improving overall ballistic protection.
- The hydration system offers increased fluid intake and a fail-safe operation compatible with both conventional canteens and other types of hydration systems.



- The harness and buckles provide improved comfort and compatibility with ballistic helmets and communication gear.
- The new reflex seal provides high levels of protection and comfort. The FM53 is available in 4 sizes in right- or left-handed which provides the best cheek-to-stock weld available on the market. Dual port configurations are also available which maximize operation flexibility.

Communications

- The 53-Series Protective Mask is equipped with a standard Electronic Communications Port (ECP) for radio and voice amplification interface. The internal microphone assembly offers enhanced speech performance. A low profile, exterior mounted amplifier is available for inter-team communication and the 2-pin pass-through allows interface with a variety of off-the-shelf communications devices for interface with the operators radio.



Protective Hood

- A fully integrated, lightweight protective hood is available using the latest materials, providing full head and neck protection in excess of 24 hours against agent permeation. It is also flame retardant and tested to 800° degrees Celsius. The hood can be easily and efficiently installed or removed by the operator to meet operational requirements.



Filtration

- NIOSH certified under CBRN APR standard cap 1 with the CBRNF12B Filter (approval number TC-14G-0305).
- NIOSH certified under Title 42, Code of Federal Regulations, Part 84 (42 CFR 84) with the CTF12 riot agent canister (approval number TC-14G-0304).
- The general purpose conformal filter is available as an option (Please note this is not NIOSH certified).



Operational Flexibility

The Valve Cassette Assembly (VCA) provides the unique capability to use the 53-Series Protective Mask with a variety of PPE (Personal Protective Equipment) making it the most operational flexible mask available. This is achieved without the need to remove or change any components.

The 53-Series Mask is operational in the following modes:

- APR (Air Purify Respirator)- A negative pressure mask using NATO thread filters
- SCBA (Self Contained Breathing Apparatus)
- PAPR (Powered Air Purifying Respirator)
- CCBA (Closed Circuit Breathing Apparatus)
- Hybrid SCBA and PAPR combinations



Special note: NIOSH does not certify or approve respirators for multi-functional, combination use. The FM53 is NIOSH certified for CBRN protection under 42 CFR 84 as an APR only. The use of the FM53 as a means for CBRN protection with an SCBA, PAPR or CCBA has not yet been approved or allowed by NIOSH.



Industry Certified Protection Factors

NATO standard protection factors give reassurance that the mask has been rigorously tested to optimum levels. NIOSH CBRN approved TC-14G-0305. A range of filters are available to meet the variety of needs the FN53 can address.

The FM53 respirator 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 of the United States of America to customers who are licensed by the US Department of State, Directorate of Defense Trade Controls.