

# MIRA<sup>®</sup>

SAFETY

## CM-7M

### MILITARY GAS MASK

Full-Face Respirator for CBRN Defense



Get the best in practical, tactical defense against a wide range of CBRN threats including Chemical Warfare Agents (CWAs) and Toxic Industrial Chemicals (TICs). The CM-7M is a ruggedized, reusable full-face respirator optimized for use with optics and rifle scopes.

Developed in cooperation with Czech army specialists, under the watchful eye of the Czech Ministry of Defense (MoD), the CM-7M is trusted in the line of duty by military and police users around the world.

#### KEY FEATURES

- Outstanding resistance against all kinds of CBRN agents, industrial toxic gases, riot control gases, etc.
- Compatible with the MIRAVISION Spectacle Kit (sold separately)
- High user comfort for superior all-day protection
- Easy donning and doffing
- Low breathing resistance
- Fits up to 2 NATO-standard 40 mm gas mask filters (widely available with a variety of protection levels)
- Compatible with optical devices (night vision goggles, etc.)
- Allows for safe and easy drinking during use in a contaminated area
- Comes with a pre-installed hydration system and canteen
- Compatible with CamelBak water bladders with a Type M adapter (not included)

#### GAS MASK ACCESSORIES



##### MB-90 PAPR

This detachable unit upgrades your standard gas mask to a powered air-purifying respirator (PAPR) that uses an integrated blower instead of lung power for improved airflow and positive pressure within your gas mask.



##### SPECTACLE KIT

This internally mounted set of prescription lenses offers the user corrective vision without compromising comfort or field of view. Offered in clear, bifocal, and tinted variations.

# CM-7M



- Bromobutyl Rubber Construction
- Exhalation Valve and Comms Port
- Built-in Speech Diaphragm
- Recessed Binocular Visor
- Two 40mm NATO Filter Ports
- Integrated Drinking Valve



## TECHNOLOGY FOR PROTECTION, UTILITY, AND COMFORT

### TECHNICAL SPECIFICATIONS

Average weight	500g
Color	Black
Number of sizes	3
Filter connection thread	Rd 40x1/7"
Binocular field of vision	> 48 hours
Effective field of vision	34%
Resistance against penetration of NBC agents	71.50

### BREATHING RESISTANCE

Inhalation resistance at 30 l/min	Max .20 Pa
Inhalation resistance at 30 l/min	Max .50 Pa
Inhalation resistance at 30 l/min	Max .60 Pa
Minimum intelligibility	95%
Intake of liquid	230 ml/min
Functional reliability	- 30°C up to +70°C

### Hydration System Compatible Canteen Included



### STORAGE

- The CM-7M military gas mask must be stored in a dark, cool and dust-free place free from sudden temperature changes. The storage room should be ventilated regularly. Temperatures may vary between 10°C and 25°C within relative humidity up to 65%. Full face gas masks must not be exposed to radiant heat or sunshine.
- Fuels, solvents, lubricants and other inflammable substances, including chemicals, must not be stored with masks. Moreover, there must not be any electrical machines or appliances that produce sparks or discharges during operation (ozone creation). Avoid deformation of the rubber parts of the face piece and internal CBRN gas mask during storage.

### MAINTENANCE

- Wipe dry the inner sides of the face cover after each use. The face part must be completely dry prior placing in the bag (do not place in direct sunlight and close to heaters). A mask that was previously used shall be disinfected by wiping the interior with a 2% chloramines solution and let to dry before use by another person. After longer use we recommend to wash the mask with a solution of soap, soda, or detergent, rinse it with clean water, and let dry.
- Maintenance and cleaning shall be performed without the filter on. Do not clean the mask using organic solvents (benzene, toluene, etc.). If using the mask in dusty environment, always check that all the parts of the exhalation chamber are clean after use.