

Application of the mask

The CM-6 protective mask together with a suitable filter or breathing apparatus protects user's face, eyes and breathing organs against **chemical, biological, radiological and nuclear (CBRN) agents** in form of gases, vapours and solid or liquid aerosols.

The mask was especially designed for protection of **riot control units** but is also ideal for protection of rescue teams, fire-fighters and for civil defence and industrial applications.

The mask fully meets requirements of the EN 136 (Class III) and EN 148-1 standards.

The CM-6 protective mask is manufactured in **one universal size**. The construction of the sealing edge ensures perfect tightness to all face shapes and sizes of the adult population, except for extremely small faces.

Material of the facepiece enables to use the mask for long periods of time in any weather conditions.

The inhalation chambers for filter connection are fitted with the thread Rd 40x1/7" in accordance with EN 148-1 standard (NATO standard).



Key benefits of the CM-6 mask

- Outstanding resistance against penetration of all kinds of chemical, biological, radiological and nuclear agents, industrial toxic gases, riot control gases etc.
- High user comfort
- Easy donning and doffing
- Low breathing resistances
- Large field of vision
- Visor protected against misting
- Application of corrective spectacles
- Easy decontamination and disinfection
- Easy drinking (CM-6M)
- Sweat drainage through the exhalation chamber
- Compatibility with helmets and breathing apparatuses
- High quality speech diaphragm enables easy communication with or without using communication devices.



The mask allows use of special spectacles which can be easily mounted into a rubber carrier on the internal part of the facepiece.



The CM-6 mask is compatible with riot-control helmets. It can optionally be fitted with a special two-point attachment system and connected directly to the helmet.

The mask also allows use of various types of communication head-sets.

Technical specifications

Average weight	560 g
Colour	black
Number of sizes	1
Effective field of vision	77 %
Binocular field of vision	83 %
Filter connection thread	Rd 40x1/7"
Resistance against penetration of NBC agents	> 48 hours
Breathing resistance:	
- inhalation resistance at 30 l/min	max. 25 Pa
- inhalation resistance at 95 l/min	max. 80 Pa
- exhalation resistance at 30 l/min.	max. 50 Pa
Minimum intelligibility:	Min. 95%
Intake of liquid (CM-6M)	230 ml/min
Functional reliability	-30 °C up to +70 °C



The CM-6 mask is available with a drinking device (CM-6M variant) which enables safe drinking from a special plastic bottle (PE, 0,8 l) in a contaminated area.

The drinking system is also compatible with the CamelBak hydration systems.

Materials

Facepiece	bromine-butyl rubber, non-irritating
Inner mask, other rubber components	natural rubber, non-irritating
Visor	polycarbonate
Plastic components	polyoximethylen, polyamid
Speech diaphragm	PET
Head harness	rubber-textile



The CM-6S modification is fitted with a transparent silicone inner mask for even higher user comfort.

Warranty

The manufacturer provides 5 years warranty for the CM-6 mask, providing that the storage conditions are observed.

The manufacturer provides 24-months warranty for mask exploitation. The warranty period for exploitation starts with the first opening of the original package and is provided only when observing conditions stated in the Directions for use of the protective mask.

Mask service life

Storage and service life of the CM-6 protective mask is 20 years from the date of production, providing that the storage conditions are observed.

The manufacturer recommends to carry out inspection of inhalation and exhalation valves and leak-tightness test of the mask every 5 years during storage.

References

-  Ministry of Interior of the Czech Republic (long-term contract)
-  Kuwait – civil defence, industry (2003)
-  Ministry of Interior of Portugal (2003)
-  Internal Special Forces of Lebanon (2004)
-  Ministry of Interior of Saudi Arabia (2005)
-  Ministry of Interior of Latvia (2005)
-  Ministry of Interior of Turkey (2007)