Gumárny Zubří
Incorporated

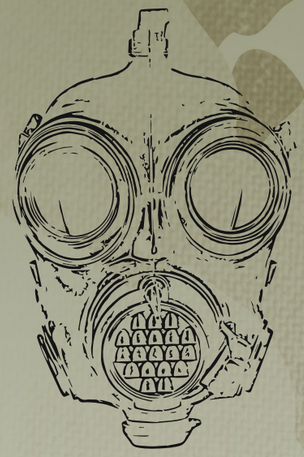
PROTECTIVE MASK

OM-90

UNIQUE MASK FOR ALL MILITARY PURPOSES

PROTECTIVE MASK

OM-90



The OM-90 mask is a type of military protection mask. Together with an appropriate filter or breathing apparatus it 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.

KEY FEATURES

- 2 visors made of silicate glass
- Compatibillity with weapon sights and other optical devices
- Non-Fogging construction of inner mask
- 2-Sides filter connection
- High Flow Drinking System

DESIGNED AND DEVELOPED IN COOPERATION WITH THE CZECH ARMY SPECIALISTS

SUBJECT OF NATO CATALOGUING

SUCCESSFULLY TESTED ACCORDING TO THE NATO TRIPTYCH

USER COMFORT

- Advanced construction of sealing edge ensure perfect face fit tightness
- Facepiece material enable using due long periods in any weather conditions
- 3 sizes providing secure and comfortable fit for all facial shapes and sizes
- Stretch Stripes of textile Head harness system provides comfortable wearing of mask
- Compatibility with helmets and CBRN protective clothing

FUNCTIONAL RELIABILITY

- Guaranteed for use in the temperature range from -30 ° C to +70 ° C
- Mask can be use in environment with the oxygen content of air in minimum 17% volume
- Brombutyl rubber provides outstanding resistence against CBRN agents penetration

FILTRATION

- Filter connections threads type – Rd 40x1/7" in accordance with EN 148-1 (NATO standard)
- Possibility to mount filter on 2 sides to make it easier to aim a gun for both right-handed and left-handed persons
- Period of use is limited by efficiency of mounted filter type. This can be advanced by spare filter replacing during the usage

COMMUNICATION

- High quality speech insert membrane allows easy communication on high quality level
- Possibillity to equip with our unique voice amplifier through exhalation cover

REFERENCES

Ministry of Defenses of

- Czech republic
- Egypt
- Romania
- Saudi Arabia
- Kazakhstan
- North Macedonia

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TECHNICAL DATA	OM-90
Weight	500 g
Colour	Black
Number of sizes	3
Effective field of view	73 %
Binocular field of view	24 %
Filter connection thread	Rd 40 x 1/7" acc. (EN 148-1) STANAG
Tightness	Drop max. 100 Pa/min. under vacuum 1 kPa
Resistance against penetration of NBC agents	〉24 hours
Carbon dioxide content of inhaled air	Max. 0,9 %
Speech intelligibility	Min. 95 %
Functional realiability	From -30 °C up to + 70 °C
Storage	From -10 °C up to + 25 °C
Humidity	〈 80 %

BREATHING RESISTENCE	
- inhalation resistence at 30 l/ min.	Max. 30 Pa (EN 136 max. 50 Pa)
- inhalation resistence at 95 l/ min.	Max. 120 Pa (EN 136 max. 150 Pa)
- exhalation resistence at 30 l/ min.	Max. 60 Pa

MATERIALS	
Facepiece	Brombutyl rubber, non-irritating
Inner mask (nosecup)	Natural rubber, non-irritating
Visors	Silicate glass
Plastic components	Polyoximethylen, Polyamide
Speech diaphraghm	PET
5 point skull cap head harness with plastic buckles	Rubber-textile

5 YEARS

WARRANTY

5 years warranty is providing in case of compliance with storage rules according to the Direction for use.

24 MONTHS

WARRANTY

The warranty period for use starts with the first opening of the original package and is provided only when observing conditions stated in the Direction for use of the protective mask.

STORAGE AND SERVICE LIFE

20 years from the date of production, with respecting conditions mentiond in Direction for use. The manufacturer recommends to carry out inspection of inhalation and exhalation valves and leak-tightness test of the mask every 5 years during storage.

CERTIFICATION

OM-90 is certified according ČSN EN 136 (Class III and the ČSN EN 148-1.)
NATO Stock Number (NSN) of the OM-90 set: 42 40-16-000-82 32.
Certification body: Research Institute of Occupational Safety, v.v.i., notified body 1024, Prague 1.

CE The certification was performed according to the certification scheme of Regulation (EU) 2016/425 Module B.

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THROUGH LEGACY TO FUTURE