

Turn the bottle upside down and turn the drinking system valve (90°) placed on the facepiece and start to drink. Drinking system capacity is approximately 200 ml per minute. When drinking is finished turn back the drinking system valve first. Then disconnect the bottle, cover the suction valve again and fix it on the facepiece.

#### MAINTENANCE

Dry the inner side of the mask with a piece of cloth after every use. The mask must be dry before putting it into a carrying bag. Let the mask dry out without exposing it to a direct sunshine or heat radiation. If the mask was previously used by another user it is recommended to disinfect it before further use with 2% chloramine solution and leave it dry slowly.

It is recommended to wash the mask with water and soap, bicarbonate or a detergent solution after a longer use. Finally, rinse the mask with clean water and let it dry slowly.

All maintenance and cleaning must be performed without filter. The mask must not be cleaned with organic solvents (petrol, toluene, etc.). Cleanliness of all valve chamber parts must be checked after use in a dusty environment. Removable parts can be exchanged according to the below mentioned instructions.

#### REPLACEMENT OF THE EXHALATION VALVE

1. Turn the exhalation chamber cover at 90° and remove it
2. Pull out the exhalation valve and remove it
3. Clean the valve and exhalation chamber preferably with warm water and dry it with a piece of cloth. Clean carefully especially the valve itself and the valve contact line of the exhalation chamber.
4. Insert the spindle of the cleaned or new valve into the exhalation chamber aperture and place it in the correct position by soft pulling in.
5. Place back the exhalation chamber cover
6. Perform the mask tightness test



1 – Exhalation Chamber Cover  
2 – Exhalation Valve

#### STORAGE

The CM-6 masks 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%. The stored products may not be exposed to radiant heat and sunshine. Fuels, solvents, lubricants and other inflammable substances, including chemicals, must not be stored together with masks. Moreover, there may not be any electric machines and appliances which produce electric sparks and discharges during their operation (ozone creation). Avoid any deformations of the rubber parts of the facepiece and internal mask when storing the masks.

#### WARRANTY

The manufacturer provides 5 years warranty for masks in the original sealed package, provided the recommended storage conditions are adhered.

The manufacturer also provides 24 months warranty for masks exploitation. The exploitation warranty period starts with the first opening of the original package. Failure to meet obligations mentioned in these Directions for Use will make this warranty null and void.

Storage life of masks in the original package is 20 years.



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## CM-6 PROTECTIVE MASK

### DIRECTIONS FOR USE

The **CM-6 protective mask** connected to a suitable filter or breathing apparatus protects user's eyes, face and breathing organs from the effects of toxic industrial chemicals (TIC) and chemical warfare agents (CWA) in form of gases, vapors, aerosols, and against radioactive dust, bacteria and viruses. Functional reliability of the protective mask is guaranteed within the temperature range from -30°C to +70°C. Protective mask with a filter may only be used if the ambient atmosphere contains at least 17% of oxygen, otherwise a breathing apparatus must be used. The CM-6 mask is applicable in industry, agriculture, police and rescue squads, civil defense, fire departments, special forces, etc. The mask is marked with a "CE" symbol and is manufactured and marked in accordance with the EN 136:1998 standard, class III.

#### MODIFICATIONS

<b>CM-6</b>	basic type
<b>CM-6M</b>	mask with a drinking system
<b>CM-6S</b>	mask with a transparent silicone inner mask
<b>CM-6SM</b>	mask with a transparent silicone inner mask and drinking system



- 1 - 6 Points Head Harness
- 2 - Facepiece
- 3 - Panoramic Visor
- 4 - Inner Mask
- 5 - 2 Sides Inhalation Chambers
- 6 - Speech Diaphragm
- 7 - Exhalation Chamber Cover
- 8 - Filter

## TECHNICAL SPECIFICATION

The facepiece is made of harmless rubber with high-level resistance against TIC/CWA penetration. The inner mask is made of a special hypo-allergenic compound which ensures excellent tightness and avoids contact of the exhaled air with the visor and thereby protects it from fogging. It also reduces the CO<sub>2</sub> content in the inner space of the mask which together with favorable rate of inhalation/exhalation breathing resistances decreases physiological burden of the user.

The speech diaphragm ensures at least 95% intelligibility of talk. The mask is equipped with a six-point rubber-textile head harness.

The CM-6 mask is produced in one size. For the proper function of the mask, it is necessary that user's face is smooth, free of beard, sideboards and other hindrances in the place of the sealing gasket. The mask enables use of dioptric glasses in spectacle insertion fixed in the rubber slip in the upper inner part of the facepiece (above the visor). Spectacles have to be ordered separately (it is not a standard part of the mask).

The filter is fitted to the mask by screwing to the left or right inhalation chamber. The unused chamber (without filter) is sealed with the inhalation chamber plug. It is necessary to check whether the plug is well screwed and tightened. Inhalation chambers of the CM-6 mask are fitted with Rd 40x1/7" thread according to the EN 148-1 standard.

Before use the user must verify whether the filter thread (or breathing apparatus) type is compatible with the inhalation chamber thread.

Selection of a suitable filter depends on the type and concentration of the toxic agent. The CM-6 mask equipped with a TIC or CWA filter may only be used in the environment containing at least 17% of oxygen. If oxygen content is lower, a breathing apparatus must be used instead of a filter. Principles of filter selection and application are described in filter user guides.

The CM-6 mask may be used in explosive environment with explosion danger class 1 only.

The CM-6 mask meets all requirements for the class 3 of the EN 136 standard.

### TECHNICAL DATA

<b>Weight</b>	560 g
<b>Available in</b>	1 size
<b>General field of vision</b>	min. 70%
<b>Binocular field of vision</b>	min. 80%
<b>Intelligibility of talk</b>	95%
<b>Material of the facepiece</b>	bromine-butyl rubber
<b>Material of the visor</b>	polycarbonate
<b>Filter connection thread</b>	Rd 40 x 1/7"
<b>Breathing resistance at 30 l/min. air flow:</b>	
- inhalation resistance	max. 30 Pa
- exhalation resistance	max. 60 Pa

## DONNING PROCEDURE

Take the mask out of the package and release each fastening strap as much as possible. Then insert your hands into the mask and stretch the bottom and side fastening straps aside (Fig. 1). Put your chin into the mask and pull the harness over your head (Fig. 2). Make sure that the harness net is placed on the back of your head. The mask will be tightened by symmetrical tightening of all straps (Fig. 3). When the mask is well positioned, its pressure on your face is soft and regular.

When using the spectacle insertion, insert the ends of the spectacle's holder into the apertures in the facepiece upper internal rubber ledge. The apertures enable positioning of the spectacles in two vertical positions. It is necessary to test the correct position of the spectacle insertion before use.

Lenses for the spectacles are not provided by the manufacturer.

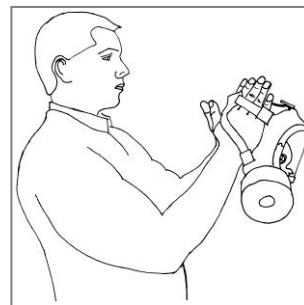


Fig. 1



Fig. 2

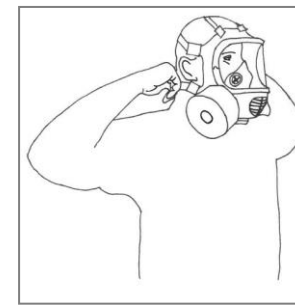


Fig. 3

## MASK TIGHTNESS TEST

After donning the mask on your face, perform the tightness test. Seal up the inhalation chamber aperture (filter connection aperture) with your palm and inhale deeply. If the mask is tight and well positioned, under-pressure will occur under the facepiece. Potential leakage would be indicated by suction of the ambient air into the facepiece and decrease of under-pressure inside the mask. In this case check and tighten harness straps again.

Repeat this test two or three times.

Mask tightness check must be performed after every cleaning or exhalation valve replacement.

## CONNECTING THE FILTER

Remove the upper closing lid and the bottom cover of the filter. Screw the filter to the inhalation chamber and tighten it gently so that the front part of the filter thread fastens to the surface of the sealing ring in the inhalation chamber. Inhale and check whether air can flow easily through the filter. Then verify the filter/inhalation chamber connection tightness. Exhale, cover the filter input aperture with bottom cover or with your palm and try to inhale. Inhalation is not possible when the connection is tight. Release the filter input aperture after finishing the test and mask is ready to use. If the filter is not in use close the filter input aperture with the bottom cover and the output aperture with the lid. When using a breathing apparatus follow the instructions for use of the breathing apparatus.

## DOFFING PROCEDURE

Release harness straps by pulling the fastening buckles off your head. Take the exhalation chamber of the mask (Fig. 4) and pull the mask down over your head (Fig. 5).

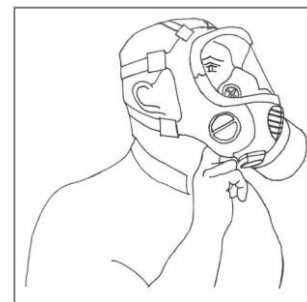


Fig. 4

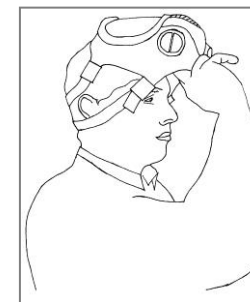


Fig. 5

## USE OF THE DRINKING SYSTEM

(for CM-6M and CM-6SM modifications only)

Drinking system of the CM-6(S)M protective mask can only be used with a bottle with a special valve or with CamelBak hydration systems. Connect the suction valve to the bottle or a CamelBak hydration system after removing its cover.