

M2F

NBC protective mask

The M2F protective mask together with NBC M2 filter is specifically intended for efficient protection of the eyes, face and respiratory organs against NBC contaminants in the form of gases, vapors, solid and liquid aerosols and dust particles. It can also be used against other toxic gases, vapors and particles with a proper filter. Depending upon the type and concentrations of contaminants in the working atmosphere, a proper filter should be screwed onto the standard filter connector (EN 148). The M2F protective mask can be used in any atmosphere except in the atmosphere containing less than 17 % oxygen. It can be used alone and in connection with other personal protective equipment in regard to the type of contaminants and the activity of the wearer.

TECHNICAL DATA:

The M2F protective mask consists of the facepiece, NBC M2 filter, bag and the cleaning kit.

Facepiece

- It is available in three sizes (small, medium, large).
- Position of the mask on the face is easily adjusted by means of elastic head harness.
- The M2F protective mask contours comfortably to fit face without disturbing free movement of head.
- The field of vision no less than 70% of the normal. The transparency of the glasses is more than 87%.
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- The resistance of exhalation valve subassembly is max. 70 Pa at the flow of 0,5dm³/s.
- Static leakage of an exhalation valve is not more than 20 Pa when exposed to negative pressure of 100 Pa for 120s.
- Total resistance of the M2F protective mask at inhalation is not more than 230 Pa at the flow of 0,5dm³/s.
- Facepiece is airtight at positive pressure of 3000 Pa for 60 seconds.
- There is a phonic unit, index of voice clearness is > 0,85.
- The M2F protective mask is made of synthetic rubber so it can be used for all weather conditions at the temperature ranging from -30°C to +50°C.
- It is neither dangerous to health nor irritant to the skin.
- Each element of the mask is easy to disinfect.
- The weight of the M2F protective mask is not more than 500g, with the NBC M2 filter it weighs about 800 g. The weight of the bag containing both the mask and the filter is 1300g.
- Shelf life of original packaging in the prohibited conditions of storage is 10 years.



Filter M2

- Sorption capacity of filter (at challenge concentration 5.000 ppm) is:
chloropicrin: min. 26 g
phosgene: min. 15 g
hydrogen cyanide: min. 3 g
- Filter weight without plug and cover: max. 310 g,
- Pressure drop at flow of 30 lpm: max. 140 Pa,
- Filter is airtight at positive pressure of 5300 Pa,
- Filter efficiency: 99,995% and
- Shelf life: more than 5 years if stored in original packing at the appropriate warehouse (5°C to 25°C, RH less than 70%)

M2 bag for protective mask:

- Material: 100 % Polyamide coated with polyurethane,
- Camouflage in visual and near IR (from 650 nm to 1000 nm).
- Color stability against light: minimum 4.
- Wearing: The bag is to be fixed to the belt or worn under the arm.

