



CIVIL GAS MASK GP-21

Facepiece MP-3 is a component of the civil gas mask and is manufactured in 2 sizes: 1, 2.

It is designed to provide protection of the respiratory system, face and eyes of the civil population including non-military civil defense personnel against toxic agents, radioactive dust, biological aerosols, iodine radioisotope and its organic compounds, dangerous chemical substances and dangerous chemical substances of inhalation exposure.



Technical characteristics

Breathing resistance at permanent airflow 30dm ³ /min, no more than	Pa
At inhaled air	185 (18,9)
At exhaled air	78,4 (8)
Field of vision, %, not less than	78
Coefficient of inward leakage, %, no more than	0,0001
Speech intelligibility, %, not less than	96
Dimensions, in a bag, mm	280x210x100
Weight, loading on head, no more than,g	760
Shelf life, years	12,5

Design features:

- the facepiece has a six-point head harness with self-tightening straps for quick adjustment to any type of face without pinching the hair;
- the facepiece has an improved range of vision through the panoramic lens and has a communication system;
- the panoramic lens of the facepiece is made of transparent flexible polymeric material, wear-resistant and resistant to different mechanical impact (shock, load) it will not be distorted and returns into original shape;
- the facepiece has small weight to be carried on the face and is highly ergonomic;
- the construction of the facepiece with an inner mask provides a tight fit of the facepiece to nose and mouth of the user. The valves integrated into the inner mask prevent misting of the inner surface of the panoramic lens;
- MP-3 is manufactured with right-side and left-side inhalation unit to provide comfortable wearing (taking into account the individual characteristics of the user).

Test-substance name	Test-substance concentration, Mg/ dm ³	Breakthrough time, min
Ammonia	0,7	50
Hydrogen sulphide	1,7	40
Sulfur dioxide	2,7	20
Cyanogen chloride	5,0	20
Chlorine	15,0	20
Mercury vapours	13±1	6000
Hydrogen chloride	5,0	120
Cyclohexane	3,5	70
Permeability coefficient measured by radioactive iodine-131	0,01	1,5