SPÓŁDZIELNIA INWALIDÓW
[COOPERATIVE OF THE DISABLED]

95-050 KONSTANTYNÓW Ł.
ul. 8 MARCA 1
www.zgoda.pl

Reference standard:
EN 149:2001+A1:2009

Cat. III in accordance with the Regulation (EU) 2016/425 of the European Parliament and of the Council of 09.03.2016

INSTRUCTIONS FOR USE OF FILTERING HALF MASKS AND MANUFACTURER INFORMATION

ZF – means the manufacturer's symbol.
A – type of filter (organic gases and other derived gases).
B – type of filter (inorganic gases, hydrogen cyanide, nitrogen dioxide and other gases).
E – type of filter (acid gases and other gases such as: sulphur dioxide, etc.).
0/… – product type / code (z – means exhalation valve, a – sewn head straps)
EN 149:2001+A1:2009 – harmonised European Standard
FFP1,FFP2,FFP3 – means the class of half mask
NR – means that the use of the filtering half mask is limited to one working shift.
R – means a reusable half mask
D – means meeting the requirements for dolomite dust clogging.
L, M – means half mask size: L – large, M – medium. No marking means universal size.
S.I."ZGODA",www.zgoda.pl, 95-050 … – Name, logo and address the manufacturer
CE marking – meeting the requirements of the so-called "New Approach" EU directives.
1437 – number of the Notified Body performing surveillance
Date of manufacture: yyyy – means year of manufacture, ww – means week of manufacture in a given year.

Certification and surveillance body: Centralny Instytut Ochrony Pracy [Central Institute for Labour Protection]
Państwowy Instytut Badawczy [National Research Institute]
ul. Czerniakowska 16 00-701 Warsaw. Notified body 1437.

Pictogram informing that it is necessary to read the instructions for use of the half mask.

Application:
The half mask is a personal equipment and must not be given to another person.
Half masks are available as a universal size product (no size marking on the half mask) or are adjusted to the head size of the user: L – large, M – medium. The half mask is intended for: use during max. one working shift "NR" or for repeated use "R". The half mask is used to protect the respiratory tract against aerosols of solid and/or liquid particles when the concentration of dispersed phase does not exceed: 4 OEL (class FFP1), 10 OEL (class FFP2) and 20 OEL (class FFP3). OEL – occupational exposure limit. The half mask can be used in areas with methane and coal dust explosion hazard. Moreover, the half mask has an additional layer of active carbon, and thus it can be used in environments where the gases described in the table below are present **in concentrations < OEL.**

Letter discriminant	Colour of instrumentation	Type of pollutants
A	Brown	Organic gases and other similar gases
B	Grey	inorganic gases, hydrogen cyanide, nitrogen dioxide, etc.
E	Yellow	Acid gases and other gases such as: sulphur dioxide, etc.

Due to the different types of pollutants, half masks have different colours of instrumentation: exhalation valve, nose clip.

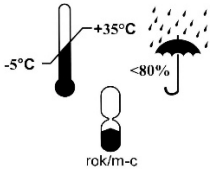
Maintenance:
Half masks marked "NR" are maintenance free. They are intended for use during one working shift (max. 8 hours). **Half masks marked "R"** are intended for repeated use (maximum during 3 working shifts) and should be cleaned and disinfected after each use. If the half mask was used in an environment with high levels of dust, it is recommended to clean the half mask mechanically by shaking it gently. Half masks can be disinfected with:
1. UV rays. It is recommended to use germicidal lamp VS 301I with 30W radiator manufactured by Fabryka Aparatury Elektromedycznej "FAMED" in Łódź, www.famed.pl. or lamps by other manufacturers with similar parameters. Half masks should be irradiated from a distance of approx. 2 m, at an ambient temperature of 15°C and an air humidity of 75% for 20 minutes. The outside and inside of the half mask must be irradiated. For other ambient parameters, the irradiation time should be determined on the basis of the "Instructions for Use and Maintenance" of the lamp. During irradiation, OHS rules contained in the instructions must be observed.
2. disinfectant liquid, e.g. ethyl alcohol (spirits) or other ethyl alcohol-based disinfectant liquids which do not have an irritating effect after use. Apply the liquid to the inside of the half mask by wiping it with a moistened swab or tissue. It is not recommended to spray the disinfectant directly on the half mask.
If the half mask is heavily covered with dust or intensively soiled on the face side of the user, the half mask should not be used again.

Safety:
The raw materials used in the manufacture of half masks shall not irritate the skin and shall not adversely affect the health of the user under normal or reasonably foreseeable conditions of use.

Method of disposal
The used half masks should be disposed of in specialised companies authorised to dispose of this type of waste.

Packing
Half masks are packed in transparent foil bags. The smallest sales packaging is a cardboard box.

Storage *Pictograms informing about storage conditions.*



The half mask must be stored in its original packaging in a dry room at the temperature from -5ºC to +35ºC and relative humidity of <80%, away from heat source, aggressive substances and strong radiation.

Pictogram informing about the end of the storage period.
If stored properly, the storage period is 36 months from the date of manufacture.

Directions for use
Please read these instructions for use before using the half mask. The half mask should be put on the face in a clean atmosphere. Before use, check the expiry date and technical condition of the half mask (Fig. A).
The half mask should be put on the face in such a way that the nose clip is on the nose (Fig. B) and straps on the head (Fig. C and D). To obtain a closely-fitting half mask, the clip must be pressed firmly on the nose (Fig. E) and the straps around the head must be adjusted. The half mask is correctly put on the face when, after exhaling sharply (then you have to put your hands on the half mask), you can feel excess pressure in the half mask (Fig. F).

For cup-shaped half masks

For fold-flat half masks

Fig. A Fig. B Fig. C Fig. D Fig. E Fig. F

After use, the half mask marked "R" should be cleaned, disinfected, thoroughly dried and placed in a foil bag (manufacturer's packaging). A cleaned and disinfected half mask can be reused by the same user – for a maximum of 3 working shifts.

Risks related to the use of a half mask:
Using a half mask when the type or properties of the substance with regard to health hazards are unknown – **risk of ineffective protection.**
Using a half mask in an atmosphere of toxic vapours and gases at concentrations above the OEL – **risk of poisoning.**
Using a half mask e.g. in rooms with small area or poor ventilation, when the oxygen deficit in the air is <17%, or when there is an increase in breathing resistance – **risk of hypoxia or fainting.**
Using a half mask by a user with facial hair at the point of contact of the half mask with the face **– risk of not sealing the half mask and of breathing contaminated air.**
Using a half mask in an atmosphere contaminated with aerosol particles in concentrations exceeding the permissible OEL – **risk of inhaling pollutants in amounts exceeding the limit for a given class (up to 4 OEL – class FFP1, up to 10 OEL – class FFP2 and up to 20 OEL – class FFP3).**
Using half masks, which are: damaged and/or after their expiry date and/or used longer than 3 working shifts for reusable half masks "R" **– risk of ineffective protection.**
Improper storage and transport conditions **– risk of losing the protective properties of half masks.**
Do not use by many people **– risk of transmission of microorganisms, viruses, biological material.**
The date of manufacture is also the batch number.
Declaration of Conformity available at www.zgoda.pl in the tab EU Declarations.