

 		<b>DATA SHEET</b>	
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Certificate WE/S/1833/2011	Date of issue: 3 August 2016	Catalogue number: X 310 SV FFP3 R D	CE 1437

## PURPOSE

The respirator X 310 SV FFP3 R D is designed to protect respiratory system against harmful effect of dust, solid and liquid aerosols when OEL is  $\leq 0,05 \text{ mg/m}^3$  and the concentration of dispersed phase of aerosol does not exceed

30 x OEL (Occupational Exposure Limit),  
 APF=30 (Assigned Protection Factor),  
 NPF=50 (Nominal Protection Factor).

## EXAMPLES OF APPLICATION

high concentrations of respirable dusts, welding and soldering, protection against dusts containing beryllium, antimony, arsenic, cadmium, cobalt, nickel, radium, strychnine, radioactive particles.

## HOW IT WORKS

The filtering half mask is composed mostly of the face part made of filtering material and accessories such as headbands, or exhalation valve, depending on the model.

When air is drawn in, it passes through the filtration material where it is cleansed before being inhaled. Exhaled air passes through filtration material (in the masks without a valve) or through both the exhalation valve and the filtration material (in models with a valve). The cup of the mask should be well adjusted to the user's face.

## DESCRIPTION

The filtering half mask X 310 SV FFP3 R D is composed of the following elements:

- A multi-layered filtration material: polypropylene
- A nose clip to shape the half mask at the nose
- Exhalation valve
- Head bands made of braided rubber thread
- Plastic fastenings of the head bands
- Nose seal made of polyurethane foam
- Internal lining improving tightness and comfort of use.

The half mask is designed in such a way as to enable easy breathing throughout the work shift. The anatomical shape and the nose clip, as well as the internal sealing foam, make the half mask easy to fit to most face shapes, so that the necessary tightness can be ensured.

## REQUIREMENTS

OXYLINE half masks comply with the following:

- harmonised European standard PN-EN 149:2001+A1: 2010 (EN 149:2001+A1: 2009) "Respiratory protective devices - Filtering half masks to protect against particles. Requirements, testing, marking";



– the provisions of Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, introduced in Poland under the Act dated 30<sup>th</sup> August 2002 and the regulation of the Minister of Economy dated 21<sup>st</sup> December 2005.

## CONTRAINDICATIONS

The half mask does not supply oxygen. It does not ensure protection of the respiratory system if there is a lack of oxygen (below 17%). It should not be used in spaces with limited cubic volume, in particular non-ventilated spaces, such as sewers, wells, tanks, etc. The half mask does not provide protection against pollution in the form of gas fumes or mists of substances that are harmful to human health and hazardous to life. Do not use the half mask if the type, characteristics and concentration of the harmful substances are unknown. Do not use the half mask when extinguishing fires. The half mask does not ensure tightness if worn on an unshaven or bearded face.

## FUNCTIONAL PARAMETERS OF THE HALF MASK

Class (according to PN-EN 149+A1: 2010)		FFP3
Penetration of filtering material by sodium chloride aerosol or oil mist		≤ 1%
Total leakage		≤ 2%
Initial inhalation resistance at a flow of 95 l/min		≤ 300 Pa
Initial exhalation resistance 160 l/min		≤ 300 Pa
Breathing resistance at the end of clogging test with dolomite dust, at a flow of:	95 l/min (inhalation)	≤ 700 Pa
	160 l/min (exhalation)	≤ 300 Pa

## USE AND STORAGE

The half masks should be stored at a temperature of -20°C to +40°C and humidity below 70%. Before the half mask is used, its technical condition should be checked, i.e. whether the elements are not damaged. Damaged or expired half masks must not be used. The half mask should not be folded or bent. In order to ensure the best possible fit on the face, the half masks should be put on and adjusted in the following manner:

1. before putting on the half mask, form the nose clip by tightening,
2. place the mask over the face to cover the mouth and the nose;
3. put the head bands on in such a way as to make the lower band pass around the nape of the neck below the ear, and the upper band pass around the back of the head above the ear; the length of upper and lower band can be adjusted;
4. further adjust the nose clip to ensure tightness
5. check that you have the correct mounting. Press your hands and hold the dome of the mask. Exhale energetically; if there is any looseness adjust the position of the dome, the nose clamp or headbands.



When the mask is used, breathing resistance increases due to the settling of dust. If the user decides the resistance has grown significantly, the mask should be replaced with a new one.