

  <div style="font-size: small;"> System zarządzania ISO 9001:2015  www.tuv.com ID: 9105059465 </div>		<b>DATA SHEET</b>	
<b>Oxyline Sp. z o.o.</b> 95-200 Pabianice, ul. Piłsudskiego 23 tel.: 42 2151068, 42 2032035; fax: 42 2032031 <a href="http://www.oxyline.eu">www.oxyline.eu</a> email: <a href="mailto:oxyline@oxyline.eu">oxyline@oxyline.eu</a>		<b>FILTERING HALF MASK X 110 FFP1 NR D</b>	
Certificate: UE/200/2019/1437	Date of issue: 31 July 2019	X 110 FFP1 NR D	CE 1437

## PURPOSE

The respirator X 110 FFP1 NR D is designed to protect respiratory system against harmful effect of dust, solid and liquid aerosols (dust, smoke, mist) when OEL is  $\geq 2\text{mg}/\text{m}^3$  and the concentration of dispersed phase of aerosol does not exceed

- 4 x OEL (Occupational Exposure Limit),
- 4 x NPF (Nominal Protection Factor),
- 4 x APF (Assigned Protection Factor).

## EXAMPLES OF APPLICATION

The respirator X 110 FFP1 NR D can be used in agriculture, food industry, non-toxic dusts, used in quarries and cement plants, softwood processing (coniferous) and in particular for dusts like calcium carbonate, natural and synthetic graphite, gypsum, chalk, cement, plaster, marble, zinc oxide, pollen, cellulose, sulphur, cotton, metallic file dust, coal dust, coal dust with free silica content less than 10%.



## 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 110 FFP1 NR D is composed of the following elements:

- A multi-layered filtration material: polypropylene
- A nose clip to shape the half mask at the nose
- Head bands made of braided rubber thread
- Plastic fastenings of the head bands;
- Nose seal made of polyurethane foam

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";

- conformity with the relevant Union harmonisation legislation: Regulation (EU) 2016/425 of the European Parliament and of the Council of March 9, 2016. on personal protective equipment and repealing Council Directive 89/686 / EEC.

## 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)	FFP1	
Penetration of filtering material by sodium chloride aerosol or oil mist	≤ 20%	
Total leakage	≤ 22%	
Initial inhalation resistance at a flow of 95 l/min	≤ 210 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)	≤ 300 Pa
	95 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.
6. Expiry date: 60 month from the production date printed on the product.



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.

### Adjusting the head bands:

To adjust the head bands, put the strap between the plastic hooks as shown in illustration 2. Looping it a number of times between the hooks will shorten the band and tighten the mask when it is put on. In order to extend the length again just take the band off the hooks.



For more precise adjustment of the head band, wind or unwind the band on/off each hook, as shown in illustration 3.