 System zarządzania ISO 9001:2015 www.tuv.com ID 9105059465		<h1>DATA SHEET</h1>	
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Certificate: UE/94/2019/1437	Date of issue: 12 March 2019	Catalogue number: X 220 SV FFP2 R D	CE 1437

## PURPOSE

The respirator X 220 SV FFP2 R D is designed to protect respiratory system against harmful effect of dust, solid and liquid aerosols when OEL is  $\geq 0,05 \text{ mg/m}^3$  and the concentration of dispersed phase of aerosol does not exceed  $10 \times \text{OEL}$  (Occupational Exposure Limit), APF=10 (Assigned Protection Factor), NPF=12 (Nominal Protection Factor).

## EXAMPLES OF APPLICATION

medium toxic solids, asbestos, copper, barium, titanium, vanadium, chromium, manganese, hardwood, coal dust with free silica content higher than 10%, mining industry, chemical industry, metallurgic industry, welding, soldering, respirable dusts

## 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 220 SV FFP2 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 made of plastic
- Head bands made of braided rubber thread
- Plastic fastenings of the head bands
- Nose seal made of polyurethane foam
- Detachable fastenings made of plastic
- Internal insert 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 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

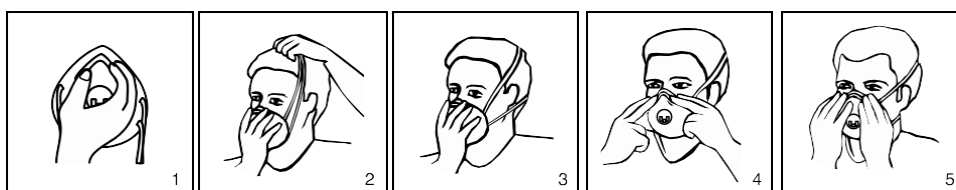
Class (according to PN-EN 149+A1: 2010)	FFP2	
Penetration of filtering material by sodium chloride aerosol or oil mist	≤ 6%	
Total leakage	≤ 8%	
Initial inhalation resistance at a flow of 95 l/min	≤ 240 Pa	
Initial exhalation resistance 160 l/min	≤ 300 Pa	
Breathing resistance at the end of clogging test with dolomite dust, at a flow of:	95 l/min (inhalation)	≤ 500 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.
6. Expiry date: 60 month from the production date printed on the product.



After each use, the mask should be disinfected. This can be done by spraying the mask with liquid designed for disinfecting filtration half masks (1-2 sprays) or cleaning the inside of the half mask with a cloth soaked with pure ethyl alcohol. The half mask can only be used again by the same user. The disinfected half mask must be stored according to storage guidelines. A half mask can be used for longer than eight hours by the same user, provided it hasn't been broken and that it has been disinfected. Over time, breathing resistance in the mask will increase due to the settling of dust. If resistance has grown significantly, the mask should be replaced by 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.