RESPIRATORY PROTECTION PRODUCTS

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BLS O_2 102/102V FFP2 NR D

CUP SHAPED FILTERING FACEPIECES

codes 8006180/8006181

DESCRIPTION

The disposable filtering facepiece BLS O_2 102/102V FFP2 NR D guarantees respiratory protection against aerosol and solid particulates. The cup-shaped form, the elastics attached to four points and the external nose clip which can be modelled on the facepieces ensure the best fit for most facial types.
The exhalation valve (model BLS O_2 102V) reduces breathing resistance and reduces the humidity inside the facepiece, making breathing more secure even in humid or very hot workplaces.

MATERIALS

The filtering facepiece BLS O_2 102/102V FFP2 NR D is made by:
- Filtering material: polypropylene non-woven fabric
- Nose clip: underwire covered with polypropylene (PP)
- Elastics: synthetic polyisoprene
- Exhalation valve (model BLS O_2 102V): polypropylene (PP)
- Weight model BLS O_2 102: 8 g
- Weight model BLS O_2 102V: 11 g

APPLICATIONS

- Chemical sector
- Pharmaceutical sector
- Mechanical engineering
- Agriculture
- Construction
- Ceramics
- Foundries

WARNINGS

1) The user must receive appropriate instruction before using the filtering facepiece
2) The filtering facepieces do not protect the user from gases and fumes
3) Do not use in environments with low oxygen, O_2 less than 17%
4) Do not use when concentrations of pollutants are dangerous to health or life-threatening
5) Do not use as an emergency escape breathing device
6) Leave the work place immediately:
   - If breathing becomes difficult
   - If you experience dizziness, nausea or alike symptoms
7) Do not modify the filtering facepiece
8) Discard and replace the filtering facepiece if it is damaged, if the resistance to breathing increases or after 8 hours of use if the facepiece is NR type (max 8 hours).
9) Do not use if you have a beard or sideburns because they can alter the seal
10) The facepieces must be stored in clean containers in a dry place at temperatures between +5°C to +40°C and relative humidity below 60% up to 10 years.

CERTIFICATION

BLS filtering facepieces are:
- certified according to European Regulation 2016/425 (Personal Protective Equipments)
- certified as PPE of III category, in presumption of conformity to harmonized standard EN 149:2001 +A1:2009
- certified and controlled according to Annex D by Italcert S.r.l. (Notified Body n°0426)
- CE marked

BLS management system is ISO 9001 certified

CERTIFICATION TEST

EFFICIENCY FILTERING MATERIAL
The efficiency of the filtering material was determined with the use of sodium chloride and paraffin oil. The FFP2 class guarantees a minimum filtering efficiency of 94%. The filtration efficiency of these masks remains unchanged even after long exposure periods.

TOTAL FILTERING EFFICIENCY
The total inward leakage consists of two components: face seal leakage and filter penetration. Tests provide also that ten subjects carry out a sequence of exercises that simulates the practical working activity, wearing the facepiece; less is the quantity of aerosol inside the product, better is the filtering efficiency of the facepiece.

BREATHING RESISTANCE
The breathing resistance of the filtering facepieces must be verified by tests conducted at 30 l/minute and 95 l/minute for inhalation and 160 l/minute for exhalation. The values established by law for class FFP2 are respectively 0.7 mbar, 2.4 mbar and 3.0 mbar.

CLOGGING
Filtering facepiece is submitted to a clogging test with dolomite dust, clogging the filter with an air flow of 95 l/min until 883 mg*h/m3 have been reached of dolomite have been deposited or until the is reached the value of breathing resistance for that class. After clogging, filtering facepieces are submitted to a test of filtering efficiency again.

FLAMMABILITY
The filtering facepieces subjected to the test are passed one by one through a flame with a temperature of 800°C +/- 50°C and at a speed of 6 cm/s. Filtering facepieces must not go on burning for more than 5 seconds after removal from the flame.