BLS 102 / BLS 102 V FFP2 NR D

Cup shaped Filtering Facepiece
Protection against dusts, mists and fumes



FEBRUARY 2019

CHARACTERISTICS

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

APPLICATIONS

Chemical sector
Pharmaceutical sector
Mechanical engineering
Agriculture
Construction
Ceramics
Foundries

MATERIALS

The filtering facepiece 102 / 102V FFP2 NR D is composed by:
Filter: polypropylene non-woven fabric
Nosepiece: reinforced plastic
Rubber bands: synthetic rubber
Exhalation valve (model 102V): polypropylene + natural rubber
Weight model 102: 9 g
Weight model 102V: 13 g

INSTRUCTIONS

1) The user must receive appropriate instruction before using the filtering facepieces
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 respirator
8) Discard and replace the respirator if it is damaged, if the resistance to breathing increases or after 8 hours of use
9) Do not use if you have a beard or sideburns because they can alter the seal
10) The masks 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 respirators are:
• certified according with the European Regulation 425/2016 (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 9001:2008 certified

CERTIFICATION TEST

The filtering facepiece 102/102V NR D complies with EN 149:2001+A1:2009 and has been tested according to the requirements for class FFP2 NR D respirators.

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

TOTAL INWARD LEAKAGE
The test for total inward leakage requires 10 subjects to carry out a sequence of exercises which simulate normal work practices, while using the respirator. During these exercises the amount of sodium chloride that passes through the filtering facepiece, including through the exhalation valve, is measured by means of an internal probe.

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.

FLAMMABILITY
The filtering facepieces described in this data sheet have been subjected to the flammability tests required by the applied standard. Tests to verify compliance with this requirement were conducted by passing the filtering facepieces through a flame with a temperature of 800 C +/- 50 C at a speed of 6 cm/s. The masks must not burn for more than 5 seconds after removal from the flame.

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