

### BLS 828 FFP2 NR D Flickit

Cod. 8006172



#### Description

BLS 828 FFP2 NR D filtering face piece provides effective respiratory protection in industrial environments where workers are exposed to non-volatile solid and/or liquid particles (dusts, mists, fumes)

- Flat fold shape
- Headband made by two elastic straps
- Adjustable nose-clip between the filter material layers and soft inner lining on nose, to ensure a good face seal over a range of face sizes
- NR marking to specify that the facepieces is a single use item and it is Non Reusable for more than one work shift
- D marking to specify that the facepiece meets the clogging resistance requirements and then it offers an high level of filtering efficiency also in very dusty environments
- Tested and CE approved to new EN 149:2001+A1:2009 standard
- The individual packaging of the face piece offers greater hygiene and maintenance and avoids any contamination.

#### Materials

The following materials are used in manufacturing BLS 828 filtering face piece:

- Filter: filtering material in layers, non irritating, polypropylene non-woven fabric
- Nose clip: reinforced plastic material
- Face seal: foam
- Straps: thermoplastic elastomer
- Welded straps

Weight: 11 g

### EN 149:2001+A1:2009

EN 149:2001+A1 tests		FFP2 NR D Requirements
Total filtering efficiency (%)		> 92
Breathing resistance	inhal. 30 l/min	< 0,7
	inhal. 95 l/min	< 2,4
	exhal. 160 l/min	< 3,0
	After clogging inhal. 95 l/min	< 4,0
Filter material efficiency (%)	after 3 min	> 94
	after 63 min (long exposure)	> 94
	after clogging	> 94

#### Level of protection

BLS 828 FFP2 NR D filtering face piece is suitable for protection against non-volatile solid and/or liquid particles up to 12\* times the Threshold Limit Value (TLV-TWA).

\* = NPF, Nominal Protection Factor (according to EN 529:2005).

#### Cleaning

BLS 828 FFP2 NR D filtering face piece is NR marked, i.e. it can not be used for multiple shifts; please dispose of it by the end of each work shift.

#### Storage and transportation

BLS 828 FFP2 NR D particle filtering face piece has a 10 years shelf life. End of shelf life (expiry date) is marked on the product package.

Product should be stored in clean, dry conditions within this temperature range: +5°C to +40°C with a maximum relative humidity of 60%.

When storing or transporting this product, please use original package.

#### Certification

BLS 828 FFP2 NR D filtering face piece meets European Directive 89/686/EEC (Personal Protective Equipment) requirements and is CE marked, as a III category PPE, according to EN 149:2001+A1:2009 standard. CE Certification (Art.10) and final product control (Art.11.A) have been issued by Italcert S.r.l. (Notified body n°0426).

BLS certifies his own Quality management System according to EN ISO 9001:2008 regulation.

### Certification tests

#### • Efficiency of filter material

Penetration of filter material has been tested with two test aerosols, sodium chloride (NaCl) and paraffin oil. The following results in terms of penetration are registered: 1) Initial penetration (3 minutes after test starting); 2) maximum penetration during the test until reaching the concentration of 120 mg of test aerosol (Exposure test) 3) only for reusable device, initial penetration after exposure test and storage (24 h). Less is the quantity of aerosol inside the facepiece, better is the filtering efficiency of the respirator.

#### • Total filtering efficiency

The total inward leakage consists of three components: face seal leakage, exhalation valve leakage (if exhalation valve fitted) and filter penetration. Tests provide also that ten subjects carry out a sequence of exercises that simulates the practical working activity, wearing the respirator; less is the quantity of aerosol inside the facepiece, better is the filtering efficiency of the respirator.

#### • Breathing resistance

The breathing resistance offered by the filter has been tested with 30 l/min and 95 l/min airflows for the inhalation and 160 l/min airflow for the exhalation.

#### • 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\*m 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. Respirators must not go on burning for more than 5 s after removal from the flame.

### Warnings

- 1) The operator must be trained to the proper use of the filtering facepieces, before using it.
- 2) This product does not protect the operator against gases and vapours. For gas and vapours protection are necessary gas respirators.
- 3) Not to be used in atmospheres containing less than 17% oxygen.
- 4) Do not use when the concentrations of the contaminants are immediately dangerous for life or health.
- 5) Do not use in explosive atmosphere and to escape.
- 6) Leave the workplace immediately:
  - if breathing becomes difficult;
  - if dizziness or other distress occur.
- 7) Do not alter or modify the product in any way.
- 8) Discard and replace the mask if it becomes damaged, if breathing becomes difficult and in any case after 8 hours work if the facepieces is NR type (max 8 hours).
- 9) Operator must be clean shaven as facial hair will affect the efficiency of the product.
- 10) Store the filtering facepieces in a dry and clean room at a temperature within +5 °C and + 40 °C and relative humidity < 60%. If stored correctly and in the original packaging the product has a shelf life of 10 years and 5 years for models with carbon layer.

### Wearing filtering face piece

#### NEW! Innovative 4 steps opening system.

- 1) Unwrap filtering face piece (grip respirator as shown in thumbnail 1).
- 2) Grip flickit filtering face piece using the sections on the sides of piece.
- 3) Quickly flatten flickit filtering face piece.
- 4) Strips open effortlessly with no need to intervene.

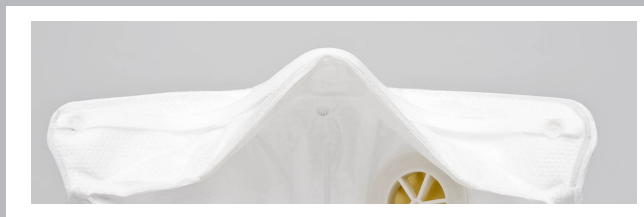
Adjust nose clip on nose shape. Test face piece leakage before entering work place performing leakage test, deeply breathing in and out (with exhalation valve, plug valve with hand), you can feel air flow, readjust face piece or elastic bands.



### Technical details

Built with edges of filtering material, the structure ensures a greater duration of the PPE.

Wide covering surface of the filtering face piece increase the facial cover of the user.



In order to reduce the chance of product contamination (required by various industries among which the pharmaceutical and the food industries), the internal nose clip is set between two layers of fabric to reduce as much as possible the aluminum parts of the PPE.

Filtering face pieces passed Dolomite dust clogging test. Lower breathing resistance, longer duration.



The individual packaging of the face piece offers greater hygiene to the user.

