

## BLS 129B/129BW FFP2 R D (code 8006020/8006184)

### CUP SHAPED FILTERING FACEPIECES



#### EN 149:2001+A1:2009 TESTS

#### FFP2 R D REQUIREMENTS

	Inhalation 30 l/min	< 0,7
Breathing resistance (mbar)	Inhalation 95 l/min	< 2,4
	Exhalation 160 l/min	< 3,0
Filter material efficiency (%)	After 63 min (long exposure)	> 94
	After storage	> 94

### DESCRIPTION

BLS 129B/129BW FFP2 R D filtering facepiece provides effective respiratory protection in industrial environments where workers are exposed to non-volatile solid and/or liquid particles (dusts, mists, fumes).

- Cup shaped
- 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
- The exhalation valve reduces breathing resistance and reduces the humidity inside the facepieces, making breathing more secure even in humid or very hot workplaces.
- R marking to specify that the facepieces is Reusable for more than one work shift
- D marking to specify that the facepiece meets the clogging resistance requirements and it offers an high level of filtering efficiency in very dusty environments also
- Tested and CE approved to new EN 149:2001+A1:2009 standard

### MATERIALS

The following materials are used in the production of BLS 129B/129BW filtering facepiece:

**FILTER:** filtering material in layers, non irritating, polypropylene non-woven fabric

**NOSE CLIP:** reinforced plastic material

**FACE SEAL:** foam

**VALVE:** polypropylene (PP); rubber

**STRAPS:** synthetic rubber (129B), non irritating, latex free

thermoplastic elastomer (129BW), non irritating, latex free

**STAPLES:** steel (129B) / welded (129BW)

**Weight:** 14 g

### LEVEL OF PROTECTION

BLS 129B/129BW FFP2 R D filtering facepiece 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 529:2006 standard).

### CLEANING

BLS 129B/129BW FFP2 R D filtering facepiece is R marked, i.e. it can be used for more than one shift; the face seal must be cleaned at the end of each shift using a cleansing wipe. Do not dip product in water.

### CERTIFICATION

BLS 129B/129BW FFP2 R D filtering facepiece meets European Regulation 2016/425 (Personal protective equipments) requirements and is CE marked, as a III category PPE, according to EN 149:2001+A1:2009 standard. CE Certification and final product control (module D) have been issued by Italcert S.r.l. (Notified body n°0426). BLS certifies his own Quality management System according to standard ISO 9001:2015.

### 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 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 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.

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### STORAGE AND TRANSPORTATION

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BLS 129B/129BW FFP2 R D particle filtering facepiece, has a shelf life of 10 years. End of shelf life (expiry date) is marked on the product package. Product should be stored in clean, dry conditions within the temperature range: +5°C to +40°C with a maximum relative humidity of 60%. When storing or transporting this product, use original package provided.

### WARNINGS

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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.