

BLS 1000

REUSABLE HALF MASK WITH BAYONET CONNECTION

BLS 1000 reusable half mask with bayonet connection is available with thermoplastic facepiece. The half mask comprise a frontal inhalation valve and two lateral exhalation valves.



EN 140:1998 PERFORMANCES		EN 140
Total inward leakage (%)		< 2,0
Breathing resistance (mbar)	Inhalation 30 l/min	< 0,5
	Inhalation 95 l/min	< 1,3
	Inhalation 160 l/min	< 2,0
	Exhalation 160 l/min	< 3,0
CO ₂ content (%)		<1,0

FACEPIECE

The facepiece made of thermoplastic rubber is designed to universally adapt to all face sizes giving a better comfort and perfect fit.

BAYONET CONNECTION

This connection is very intuitive and allows a quick and secure connection to the mask.

It has closing feedback that allows the user to understand if the filter has been correctly positioned.

HARNESS

Fixed on 4 points directly on the rigid body of the mask, it allows to distribute the weight of the half mask evenly without leaving face marks.

BLS 1000

REUSABLE HALF MASK WITH BAYONET CONNECTION

MATERIALS

FACEPIECE	Thermoplastic elastomer
VALVES AND FILTERS HOLDER	Polyamide (PA)
FILTER HOLDER	Acrylonitrile butadiene styrene (ABS)
MEMBRANE	Natural rubber
EXHALATION VALVE HOLDER	PA (polyamide)
SEALING RING	Acrylonitrile butadiene styrene (ABS)

STORAGE

SHELF-LIFE	5 years
TEMPERATURE	-10°C/+50°C
RELATIVE HUMIDITY	80% max

TECHNICAL DATA

MODEL	FACEPIECE	CONNECTION	NPF (filter P3)	NPF (filter P3)	NPF (gas filter)
BLS 1000	Thermoplastic elastomer	Bayonet	12*TLV (P2)	48*TLV (P3)	50*TLV

(TLV) Threshold Limit Value (NPF) Nominal Protection Factor

TRANSPORT

MODEL	SIZE	CODE	WEIGHT (g)	Q. TY/BOX	Q. TY/CARTON
BLS 1000	One size fits all	8002095	126	1	16

CERTIFICATION

BLS half masks 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 140:1998
- Certified and controlled according to Annex D by Italcert S.r.l. (Notified Body n° 0426) is the responsible of the certification (Art. 10) and of the final product control (Art.11.A).
- CE marked

BLS management system is ISO 9001 certified.

CERTIFICATION TESTS

BLS 1000 half mask meets the requirements of EN 140:1998 standard and has been submitted to the tests provided by this standard.

• Total Inward Leakage

The total inward leakage test provides that 10 subjects carry out a series of exercises simulating the work conditions fitting the mask. During the test, the test aerosol (Sodium chloride) is measured to see how much of aerosol passes through face seal leakage and exhalation valve leakage. Total inward leakage shall be not greater than 2%.

• Breathing resistance

Breathing resistance offered from the half mask must not be greater than the following values: during the test with breathing machine (25 cycles/min and 2,0 l/stroke) or continuous flow 160 l/min shall not exceed 2,0 mbar for inhalation and 3,0 mbar for exhalation. The inhalation resistance shall not exceed 0,5 mbar with continuous air flow 30 l/min and 1,3 mbar with continuous air flow 95 l/min.

• Flammability

The half masks submitted to test pass over a flame at a temperature of 800°C +/- 50°C with a speed of 6 cm/s. The mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

• Carbon dioxide content

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).

BLS 1000

REUSABLE HALF MASK WITH BAYONET CONNECTION

AVAILABLE MODELS



Half mask
BLS 1000

COMPATIBLE DEVICES



Filters
BLS 200 series

SELECTION GUIDE

HALF MASK VS FILTERING FACEPIECE

- Easier to wear properly
- Can be used with anti-gas filters

HALF MASK VS FULL FACE MASK

- Less invasive, better supports intermittent use

USE AND MAINTENANCE

Wearing

Lock the filter tightly onto filter holder, making a 90° rotation. When the arrow impressed on the lateral side of the filter is in correspondence with marking on bayonet connection, it means that the filter is in the right position. Slacken both harnesses to their maximum extent, then put your head into the harness, and place the half mask over nose and mouth. With the other hand, position and tighten the harness on your head.

Disinfection

Half mask must be clean before disinfecting. If the half mask is particularly dirty, or if it must be used by a different person, we recommend to use a common disinfectant that will not harm plastic or rubber components. Finally wash and dry as indicated above.

Cleaning

This half mask must be cleaned after each use.

First remove filter, and blow dust from the mask using compressed air. Use a soft rag to remove any remaining sediments. Where necessary, disassemble components and clean with warm water containing a neutral detergent. Never use solvents. The inhalation and exhalation valves must be removed and cleaned very carefully, including their housings. Let them dry, avoiding exposure to direct sunlight or other heat sources. Dry rubber parts at temperature below 50°C. Once completely dry, all the components must be reassembled.

IMPORTANT

BLS declines any responsibility, direct or indirect, from any misuse of both devices and instructions. User is responsible for the determination of product compliance with the intended use.