



FEEL FREE
TO BREATHE

ENGLISH 



CATALOGUE
2019 / 2020

TABLE OF CONTENTS

2	BLS
2	BLS, OUR MILESTONES
4	BLS, 50 YEARS OF PRODUCTS, QUALITY AND EXPERTISE
6	OUR SERVICES
8	SOME BASICS ON
	CLASS AND PROTECTION FACTORS
10	DISPOSABLE DEVICES
	FEATURES AND TECHNOLOGIES
11	CUP SHAPED RESPIRATORS
	BLS ZERO SERIES
14	FOLDABLE RESPIRATORS
	BLS FLICKIT SERIES
16	CUP SHAPED RESPIRATORS
	BLS CLASSIC SERIES
19	REUSABLE DEVICES
20	FEATURES AND TECHNOLOGIES
22	HALF MASKS
	BLS 4000next SERIES — <i>b-lock connection</i>
24	READY TO USE KIT BLS 4000next — <i>b-lock connection</i>
	BLS SGE46 — <i>Universal connection</i>
26	READY TO USE
	BLS 8000 SERIES
28	FULL FACE MASKS
30	BLS 5000 SERIES — <i>b-lock connection</i>
32	BLS 5000 SERIES — <i>Universal connection</i>
	BLS 3000 SERIES — <i>Universal connection</i>
34	ACCESSORIES
36	FILTERS
36	BLS 200 and 201 SERIES — <i>b-lock connection</i>
38	BLS 400 SERIES — <i>Universal connection</i>
39	AN OVERVIEW ON BLS PRODUCTS

BLS

OUR MILESTONES



1970

BLS starts its activity in Milan by setting up its first manufacturing plant, laboratories and offices. Initially, production was focused on disposable cup shaped respirator masks.

1996

CE marking is introduced. BLS is one of the first manufacturers to obtain such certification.

2003

BLS widens its offer starting to produce half masks and full face masks.

2005

BLS obtains the ISO 9001 certification.

2006

In order to meet a rising global demand, BLS starts to invest on its own internal **engineering team** to design and develop fully automated production lines.



2010

BLS completes its own offer of products by acquiring a facility in Spain, specialized in the manufacture of filters for reusable respirators. Thus **BLS Iberia** was born.



2012

BLS do Brasil launches a new office in Curitiba, in order to reach the South American market.



2014

BLS builds new headquarters in Milan extending over a 5000 sqm surface. They were built with the most modern technologies.

2020

BLS celebrates 50 years of Excellence

2017

The **BLS NorthWest** division in Rotterdam is inaugurated to serve the growing market of BeNeLux, the United Kingdom and Ireland closely.



2018

The BLS products are certified according to the new European Regulation EU 2016/425.

BLS

50 YEARS OF PRODUCTS, QUALITY AND EXPERTISE

— strengths

EXPERIENCE & MADE IN EUROPE

Operating in Milan since 1970, BLS is highly specialized in the production of negative pressure respiratory protection devices.

QUALITY & TEST LAB

BLS, thanks to sophisticated equipment, constantly monitors the quality of its products, from raw materials to the final product, respecting the requirements established by the new EU Regulation 2016/425.

ENGINEERING

BLS designs, develops and produces all products internally, taking care of the entire production process, from concept to shipment. Thanks to a high specialisation of the internal technical personnel, it also differs in the design and proprietary production of the machinery, thus being able to count on highly automated and controlled production lines.

PROTECTION & COMFORT

Our mission is to offer maximum protection without giving up on user's comfort.



— *thinking*

R&D DEPARTMENT

It constantly designs, develops and improves the entire product range. Moreover, for years, BLS has been collaborating with the Politecnico di Milano, through dedicated research contracts, for the study and development of innovative products and new business models.

CUSTOMER SERVICE

Responds to customer requests in a professional, precise and timely manner in 6 languages. BLS exports its products in over 60 countries.

— *making*

DISPOSABLE & REUSABLE DEVICES

The entire range of BLS products is the result of 50 years of field experience and includes all categories of respiratory protection devices, from disposable to reusable ones.

FILTERS

Strong investments in the automation of many time-wasting industrial processes and a special care on choosing the best raw materials make our facility in Barcelona, in which the BLS filters are produced, an innovation hub for the whole group.

CUSTOMIZED PRODUCTS

BLS, thanks to its own internally developed production lines, is able to customise and adapt its production to respond quickly and accurately to requests from special markets, such as medical and military, or from special customers, who require special customisation of the product.

EUR1

Thanks to completely European production, BLS has obtained the EUR1 certificate for its entire product range, both disposable and reusable.



**POLITECNICO
MILANO 1863**



BLS

OUR SERVICES



FIT TEST

Validation service through quantitative fit test of PPE for respiratory protection.

The quantitative fit test is used to evaluate the degree of compatibility between a specific protection device and the user's face. The test is carried out with a particle counter which allows to obtain the numerical value corresponding to the seal factor of the used PPE.

On request, a qualitative fit test service is also available.



TRAINING

The course responds to what is required in terms of training on the correct use of PPE for the protection of the respiratory tract. Classroom activity can be integrated with specific training through fit test done in "live" mode on each course participant.

At the end of the course a certificate of attendance will be issued for each participant.



MAINTENANCE

Training course on the maintenance of BLS full face masks.

The course provides complete training on the operations necessary for the revision, disassembly, the replacement and reassembly of the components. At the end of the course a certificate of attendance will be issued for each participant.



CONSULTING

Consultancy service to support customers in choosing the most suitable protection device based on the activity carried out and the contaminant with which they come into contact.

A further support, not to be used as the sole guide for the selection of protection devices, but also as a database of the main contaminants and relative protections required, is the new "BLS Genius" app.

PROTECTION FROM

DUSTS, MISTS AND FUMES

DUSTS are formed when a solid material is decomposed into tiny fragments.

MISTS are tiny droplets that are formed from liquid materials through condensation and atomization processes.

FUMES are formed when a solid material (e.g.: a metal) is vaporized through high temperature. The vapour cools quickly and condenses into extremely fine particles.

The term **PARTICULATE** commonly identifies the collection of these solid particles in the air.

There are two families of products for protection against particulates:

A) FILTERING FACEPIECES, indicated with “FFP”; EN 149 standard.

B) FILTERS (for half or full face masks), indicated with “P”; EN 143 standard.

In reference to the protection from particulates, the legislation confers an increased protection with the increase of the filtering efficiency:
FFP1, FFP2, FFP3 / P1, P2, P3

MINIMUM FILTERING EFFICIENCY

EN 149		EN 143	
FFP1	80%	P1	80%
FFP2	94%	P2	94%
FFP3	99%	P3	99,95%

CLASS OF PROTECTION

The European Standard EN 529:2005 shows how to select the correct breathing apparatus based on the risk assessment. This standard indicates the “protection factor” which is by definition the parameter that expresses the ratio between the concentration of the contaminant in the environment and its concentration inside the breathing apparatus. An important distinction concerns

the **nominal protection factor (NPF)** and the **assigned protection factor (APF)**. The nominal protection factor (**NPF**) is a number derived from the maximum percentage of total loss (towards the inside of the breathing apparatus) allowed by European standards. The assigned protection factor (**APF**) is the level of respiratory protection that one can realistically expect in the

workplace by 95% of the PPE users. Furthermore, an important reference for choosing the breathing apparatus is the **Threshold Limit Value (TLV)**, or rather the “exposure limit value”, which indicates the environmental concentrations of airborne chemicals below which most workers can remain repeatedly exposed to day after day for their working life without any negative effect on their health.

FILTERING FACEPIECES			HALF MASK WITH FILTERS			FULL FACE MASK WITH FILTERS		
CLASS	NPF	MAX CONC.	FILTER CLASS	NPF	MAX CONC.	FILTER CLASS	NPF	MAX CONC.
FFP1	4	4xTLV	P1	4	4xTLV	P1	5	5xTLV
FFP2	12	12xTLV	P2	12	12xTLV	P2	16	16xTLV
FFP3	50	50xTLV	P3	48	48xTLV	P3	1000	1000xTLV

If the concentration of the pollutant in the workplace is unknown, the first rule for selecting the minimum level of protection can be provided by the following table:

PROTECTION LEVEL	P1	P2	P3
POLLUTANT TLV / MINIMUM EFFICIENCY	≥ 10mg/m ³	0.1 < > 10mg/m ³	≤ 0.1mg/m ³

PROTECTION FROM

GASES AND VAPOURS

GASES are substances which at an ambient temperature and pressure are in a liquid or solid state and pass to a gaseous state through boiling or evaporation processes (e.g.: oxygen, nitrogen, carbon dioxide).

VAPOURS are substances which at ambient temperature and pressure become gaseous through evaporation from a liquid or a solid (e.g.: acetone, toluene, hexane). For protection against this type of contaminant it requires a carbon layer

filter suitably treated to selectively absorb different substances.

The European Standard 14387:2004+A1: 2008 defines protection against gases and vapours according to the following table:

TYPE	COLOUR	PROTECTION
A	BROWN	Organic gases and vapours with a boiling point higher than 65°C
B	GREY	Inorganic gases and vapours
E	YELLOW	Acid gases
K	GREEN	Ammonia and derivatives
AX	BROWN	Organic gases and vapours with a boiling point lower than 65°C

CLASS OF PROTECTION

To select the right protection against gases and vapours, the chemical nature of the pollutant must be known referring, if necessary, to the tables provided by BLS, which indicate the type of filter to use depending on the contaminant and its concentration, making sure that the level

of oxygen is greater than 17%. Regulations provide three filter capacity classes: low (class 1), medium (class 2), high (class 3). For protection against gases and vapours, the nominal protection factor is determined by the type of mask and not by the filter

used. Although the filtering efficiency of the filter is close to 100%, the duration of filter increases with increase of the capacity, since the quantity of carbon layer is larger. On the contrary, by increasing both the volume and the weight of the filter, the breathing effort increases.

CLASS	1	2	3
CAPACITY	LOW	MEDIUM	HIGH
EXPOSURE LIMIT	1000 ppm	5000 ppm	10000 ppm

	HALF MASK		FULL FACE MASK	
	NPF	MAX CONCENTRATION	NPF	MAX CONCENTRATION
GAS	50	50xTLV	2000	2000xTLV
GAS P3	48	48xTLV	1000	1000xTLV

COMBINED FILTERS

In the presence of both gases/vapours as well as particulates, protection with combined filters is required. These filters combine a gas filter to a dust filter. **BLS offers its customers a complete range of filters.**

SOME BASICS ON DISPOSABLE DEVICES

The duration of the product is for one or more work shifts. They can only protect from particles. There are three classes of devices divided according to filtering and holding efficiency (FFP1, FFP2, FFP3).

Features



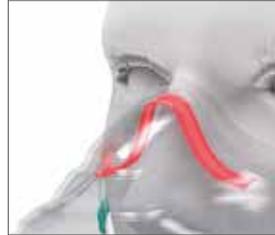
EOLO VALVE

The Eolo technology of BLS valves drastically reduces breathing resistance and allows an air passage 30% higher than classic valves, concentrating it in two points of maximum opening.



ARMOR

It's an external layer that ensures the protection of the filtering material from dirt, dust and liquids extending and preserving filtering efficiency and making the device safer.



NOSE CLIP

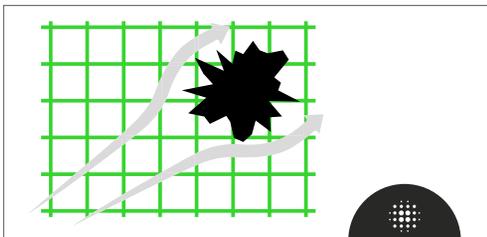
Along with the face seal it secures the fit of the respirator to the most critical part of the face among users, the upper nose.



FACE SEAL

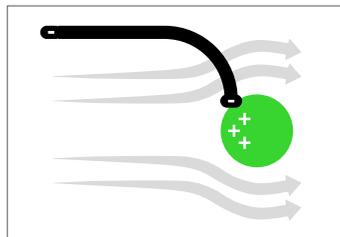
A foamy strip placed around the respirator is essential to guarantee maximum protection avoiding air flows passing through unsealed borders. It can be partial (sealing the upper nose) or complete.

Filtration principles



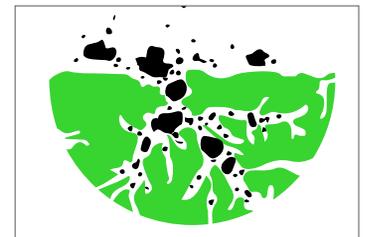
MECHANICAL

If inhaled, nanoparticles (between 1 and 100 nanometers wide), can pass through cellular membranes reaching internal organs and potentially cause severe harm to the body being very difficult to dispose. Specific tests have helped us to develop a filtering medium able to successfully block the access of such substances. With NANOFILTRATION, BLS can guarantee a new standard of protection against nanoparticles.



ELECTROSTATIC

Smaller particles are subject to a further filtration by the electrostatically charged filtering material. Therefore, the smaller the particulate, the stronger is the electrostatic attraction.



ACTIVATED CARBONS

A layer impregnated with activated carbons could be added to the filtering material enhancing the protection and comfort of the product in presence of nuisance odours.



EN 149:2001

MICROPARTICLES



0.001 μm

0.4 μm

10 μm

BLS ZERO SERIES



01

ANATOMIC

The pre-formed cup and elastic support makes an easier and reliable fit, perfectly adapting to different physiognomies and ensuring an excellent hold. It offers an excellent visual field and a great compatibility with glasses.

02

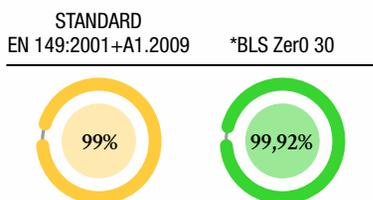
WELDED ELASTICS

The ultrasonic welded elastics, to eliminate the exposed metal parts, are made of hypoallergenic latex-free material.



PROTECTION

Better than a P3



BREATHING RESISTANCE

Better than a P1



* tested by BLS Lab

DISPOSABLE PRODUCTS / CUP SHAPED FILTERING FACEPIECES

BLS ZERO SERIES

WATCH THE VIDEO 



BLS Zer0 30 or BLS Zer0 31/32



Features

01

GASKET

Made with a new soft technical foam, which allows an excellent fit on any face and guarantees a high comfort on contact with the skin.

02

ADJUSTABLE ELASTICS

Thanks also to the innovative drop-off system, they facilitate the correct positioning of the mask on the face.

Available products

CODE	CODE for SINGLE PACKED	PRODUCT	PROTECTION	EXHALATION VALVE	CARBON LAYER	WELDED ELASTICS	ADJUSTABLE ELASTICS	GASKET
8006334	8006339	BLS Zer0 30 NV	FFP3 R D			✓		partial
8006332	8006337	BLS Zer0 30	FFP3 R D	●		✓		partial
8006335	8006340	BLS Zer0 31	FFP3 R D	●		✓		complete
8006333	8006338	BLS Zer0 30 C	FFP3 R D	●	✓	✓		partial
8006336	8006341	BLS Zer0 31 C	FFP3 R D	●	✓	✓		complete
8006298	8006305	BLS Zer0 32	FFP3 R D	●			✓	complete
8006300	8006307	BLS Zer0 32 C	FFP3 R D	●	✓		✓	complete
8006342	8006343	BLS Zer0 32 C flame retardant	FFP3 R D	●	✓		✓	complete



03

EXTERNAL PROTECTIVE LAYER

It is an external protective layer that ensures the protection of the filtering material from dirt, dust and liquids extending and preserving filtering efficiency and making the device safer.

04

IT BREATHES!

The ratio of transmission of water vapour through the material is 4500 g/sqm*24hrs. A value that defines materials of a high transpiration range making it ideal for hard physical work.



02

04

03



DISPOSABLE PRODUCTS

REUSABLE PRODUCTS

FILTERS

BLS 800 *Flickit* SERIES

WATCH THE VIDEO 



One size fits all



Features

01

FOLDS

Allow the respirator to be pocket sized and able to be distributed with alternative solutions such as vending machines.

02

FIT

The wide surface gives a lower breathing resistance and an excellent fit.

03

HYGIENE

Very well preserved by the single package on all models and by the possibility to unfold the device without touching the inner mask in direct contact with the face.

Single packed & pocket size

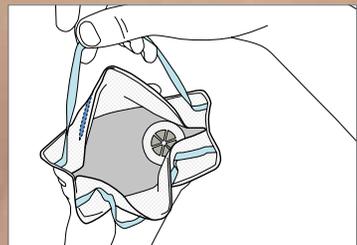
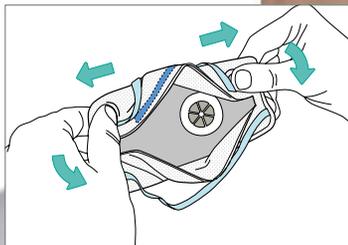
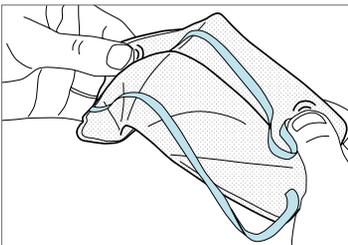


Available products

CODE	PRODUCT	PROTECTION	EXHALATION VALVE	SINGLE PACKED	WELDED STRAPS	CARBON LAYER
8006170	BLS 820	FFP1 NR D		✓	✓	
8006171	BLS 822	FFP1 NR D	✓	✓	✓	
8006172	BLS 828	FFP2 NR D		✓	✓	
8006173	BLS 829	FFP2 NR D	✓	✓	✓	
8006256	BLS 837	FFP2 NR D	✓	✓	✓	✓
8006174	BLS 860	FFP3 R D	✓	✓	✓	



03



DISPOSABLE PRODUCTS

REUSABLE PRODUCTS

FILTERS

DISPOSABLE PRODUCTS / CUP SHAPED FILTERING FACEPIECES

BLS CLASSIC SERIES

Historical series

Wide choice of protection factors and features to accommodate any specific need.



Features

01

FACEPIECE

The shape of the device offers a reduced breathing resistance.

02

NOSE CLIP

Located between two internal layers, it is not in direct contact with the face.

Available products

CODE	CODE for SINGLE PACKED	PRODUCT	PROTECTION	EXHALATION VALVE	WELDED STRAPS	ADJUSTABLE STRAPS	CARBON LAYER	GASKET
8006186	8006212	BLS 120BW	FFP1 NR D		✓			partial
8006187	8006213	BLS 122BW	FFP1 NR D	✓	✓			partial
8006149	-	BLS 212B	FFP1 NR D				✓	partial
8006150	-	BLS 213B	FFP1 NR D	✓			✓	partial
8006188	8006214	BLS 128BW	FFP2 R D		✓			partial
8006184	8006211	BLS 129BW	FFP2 R D	✓	✓			partial
8006153	-	BLS 225B	FFP2 NR D				✓	partial
8006154	8006037	BLS 226B	FFP2 NR D	✓			✓	partial
8006155	8006101	BLS 226B RS	FFP2 NR D	✓		✓	✓	total
8006282	-	BLS 226B RS Flame Retardant	FFP2 NR D	✓		✓	✓	complete
8006131	8006030	BLS 217B	FFP2 NR D acid gases and vapours	✓			✓	complete
8006189	8006215	BLS 505BW	FFP3 R D	✓	✓			total

03

AVAILABLE WITH ACTIVATED CARBONS

Activated carbons protect from acid and organic gases-vapours and ozone below the Threshold Limit Value (TLV), specific for every substance.

04

WELDED ELASTICS

Developed to eliminate all exposed metal parts.

05

TEXTILE ELASTICS

The disposable masks of the BLS classic series with active carbons have resistant and performing textile elastics.



SOME BASICS ON REUSABLE DEVICES

In EN 136, full face masks are classified according to the type of application:

1. Light use (use with small capacity filters)
2. General use (para usos más pesados, tienen mayor resistencia a la inflamabilidad)
3. Special use (they offer greater resistance to radiant heat and flame. They can be used for firefighting) *

The filters differ according to the type of filtration:

1. Carbon filters for gases and vapours, which include 3 classes, each with different duration, weight and protection (low class 1, medium class 2, high class 3)
2. Dust filters, which provide 3 protection classes based on filtering efficiency (P1, P2, P3)
3. Combined filters (combination of the above)

* Source: EN 529:2005

Products



HALF MASKS

They protect the nose and mouth and can be used if protection for the eyes is not required or in combination with safety goggles. However, it is essential to analyse each risk and determine the correct protection needed.



FULL FACE MASKS

They protect the entire face and ensure a greater protection factor. They can be used in combination with supplied-air products or PAPR.



FILTERS

They are connected to the mask. They can protect from both particulates and gases and vapours, or from the combination of the two. The same filter can sometimes be used in both half or full face mask, depending on its features.

Filter types



PARTICLES

Particles filtration is ensured by means of a pleated medium. The pleating of the material ensures a higher filtering surface and reduces breathing fatigue.



GASES&VAPOURS

Gases and vapours are adsorbed by activated carbons grains. This material is characterized by a high porosity structure that traps gases and vapours in its surface. They can be treated to adsorb selectively one or more groups of specific substances.



COMBINED

Combined filters are built with two sections, the first one with a pleated medium for particles filtration, the second one with activated carbons, for gases and vapours protection.

FILTERS TECHNOLOGY FOR REUSABLE DEVICES

In addition to the universal connection (EN 148-1) BLS developed a simplified twin connection to meet the highest performances and security standards.

BAYONET CONNECTION

This connection is highly intuitive, allowing a quick and safe hold on the mask. It has a locking feedback allowing the user to know if the filter has been properly placed. The double filter offers better weight distribution on the mask and a wider field of vision.



UNIVERSAL CONNECTION EN 148-1

Standard thread connection according to EN 148-1, universal among all respiratory protection devices.



ACTIVATED CARBON

The quality of the activated carbons used by BLS for the filtration of gases and vapours meets high standards of safety ensuring excellent filtration performances. They are produced without toxic additives such as Hexavalent Chromium (Cr VI) and they are food grade certified (REGVE231 / 2017).

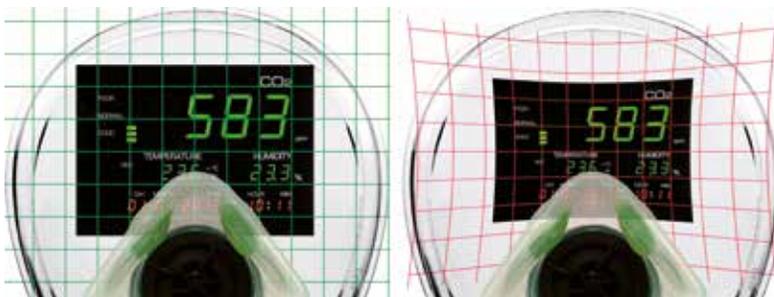


BLS TECHNOLOGY FOR REUSABLE DEVICES

LIVE VISOR

In BLS Series 5000 masks, the screen protection in optical class 1* (EN 166) allows a panoramic visual field without optical distortions. A vitrification treatment on its surface makes it scratch resistant.

* Eye protectors with no corrective effects are categorized in 3 classes depending on their spherical, astigmatic and prismatic optical imperfections (EN 166). Class 1 is the best quality class attainable.



VISOR
Optical class 1

VISOR
Lower optical class

K-OMFORT

The strap of the BLS 5000 series masks is fixed on 6 attachment points directly to the rigid frame so as not to deform the face seal. It allows to distribute the weight of the respirator evenly without leaving face marks.



ANTI-FOG

Designed to avoid visor fogging through the control of the cold and hot air flows inside the mask without perishable surface treatments.



REUSABLE PRODUCTS / HALF MASK

BLS 4000_{next} SERIES

Sizes and materials available



Drop-off procedure



Available products

CODE	PRODUCT	FACE SEAL	SIZE
8002111	BLS 4000next R	Thermoplastic rubber	S/M
8002112	BLS 4000next R	Thermoplastic rubber	M/L
8002113	BLS 4000next S	Silicone rubber	S/M
8002114	BLS 4000next S	Silicone rubber	M/L

Features

01

EASY AND FAST MAINTENANCE

It can be disassembled in less than a minute making cleaning and maintenance much easier.

02

NEW MASK 25% LIGHTER

The reduction in the thickness of the oronasal allowed a 25% reduction in the weight of the half mask, which appears to be among the lightest on the market.

03

HEAD HARNESS

Thinner and lighter head harness, with quick adjustment, allowing excellent compatibility with other PPE.

04

DROP-OFF

New front mask with quick attachment/release system and sliding elastics, which allow you to remove and lower the half mask without removing the head harness.



Compatible with
200/201 SERIES FILTERS (pg36/37)



05

BAYONET CONNECTION

This connection is highly intuitive allowing a quick and safe hold on the mask. It has a locking feedback allowing the user to know if the filter has been properly placed. The double filter offers better weight distribution on the mask and a wider field of vision.



Ready to use kit

Half mask 4000next S/M + filters

CODE	KIT	FILTERS	PROTECTION	DESCRIPTION
8002115	BLS 4100next	+ BLS 211 + BLS 301 (pre-filters)	A2P2 NR	Organic gases and vapours (bp > 65°C) and dust
8002117	BLS 4400next	+ BLS 222	ABEK1P3 R	Organic, inorganic and acid gases and vapours and ammonia, dust
8002119	BLS 4500next	+ BLS 202	P3 R	Dust
8002120	BLS 4600next	+ BLS 221	A2P3 R	Organic gases and vapours (bp > 65°C) and dust
8002121	BLS 4100next R *	+ BLS 221 + BLS 301 (pre-filters)	A2P2 NR	Organic gases and vapours (bp > 65°C) and dust

* with BLS 4000next R (thermoplastic rubber face piece)

REUSABLE PRODUCTS / HALF MASK

BLS SGE46

Optimal fit



Features

01

FACE PIECE

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

02

HARNES

Fixed on 2 points directly on the rigid body of the mask allowing to distribute the weight of the respirator evenly without leaving face marks.

03

UNIVERSAL CONNECTION

Standard thread connection according to EN 148-1, universal among all respiratory protection devices.

Available products

CODE	PRODUCT	FACE SEAL	SIZE
8002059	SGE46	Silicone rubber	U



Compatible with
400 SERIES FILTERS (pg35)



DISPOSABLE PRODUCTS

REUSABLE PRODUCTS / HALF MASKS

REUSABLE PRODUCTS / READY TO USE

BLS 8000 SERIES

WATCH THE VIDEO 



Ready to use and maintenance free

This half masks does not require maintenance and is ready to use. The mask is simply replaced when the filters are used up.



SIMPLICITY
of disposable product

PROTECTION
of reusable product



Features

01

SIMPLE LIKE A DISPOSABLE PROTECTING LIKE A REUSABLE

This mask combines the simplicity of disposable products with the protection of the reusable ranges offering an easy-to-implement and certified protection against both PARTICLES and GASES.

02

ACTIVATED CARBONS

The quality of the activated carbons used by BLS for the filtration of gases and vapours meets high standards of safety ensuring excellent filtration performances. They are produced without toxic additives such as Hexavalent Chromium (Cr VI) and are food grade certified (REGVE231 / 2017).

03

FACE PIECE

The facepiece is made of a durable and hypoallergenic thermoplastic elastomer. It is certified for alimentary use and talcum perfumed.

Available products

CODE	PRODUCT	FACE SEAL	PROTECTION
8002098	BLS 8100	Thermoplastic rubber	A2P2 R D
8002091	BLS 8400	Thermoplastic rubber	ABEK1P3 R D
8002050	BLS 8600	Thermoplastic rubber	A2P3 R D



04

DESIGN AND VISUAL FIELD

The shape of the mask offers a perfect seal without any unpleasant pressure on the nose or mouth of the user. It also allows high visibility and low interference with the visual field, thanks to the lower positioning of the filters, and good compatibility with other PPE.

05

FILTER PROTECTIVE LAYER

It's an external layer that ensures the protection of the filtering material from dirt, dust and liquids extending and preserving filtering efficiency and making the device safer.

04



DISPOSABLE PRODUCTS

REUSABLE PRODUCTS / READY TO USE

FILTERS

REUSABLE PRODUCTS / FULL FACE MASK

BLS 5000 SERIES

High resistance



Features

01

FACE SEAL

Available in soft thermoplastic rubber (BLS 5600) or silicone rubber (BLS 5700) both with FDA certification for a higher safety.

02

BAYONET CONNECTION

This connection is highly intuitive allowing a quick and safe hold on the mask. It has a locking feedback allowing the user to know if the filter has been properly placed. The double filter offers better weight distribution on the mask and a wider field of vision.

03

FACE PIECE IN SILICONE

Guarantees better performances and duration.

Available products

CODE	PRODUCT	CLASS	FACE SEAL	VISOR	HOOD
8001083	BLS 5600	2	Thermoplastic rubber	Live Visor	
8001036	BLS 5700	2	Silicone rubber	Live Visor	
8001097	BLS 5700/C	2	Silicone rubber	Live Visor	✓



Compatible with
200/201 SERIES FILTERS (pg36/37)



04

ANTI-FOG

Designed to avoid visor fogging through the control of the cold and hot air flows inside the mask without perishable surface treatments.

05

VISOR

Optical class 1 (EN 166), allows a panoramic visual field without optical distortions. A vitrification treatment on its surface makes it scratch resistant.

06

HARNESS

Fixed on 6 attachment points directly to the rigid frame of the mask, so as not to deform the face seal and not leave marks on the user's face.



Hood

Anti-acid hood covers head, shoulders and upper torso, eliminating any contaminate penetration. **98.5%** permeation resistant to Sulphuric Acid.

DISPOSABLE PRODUCTS

REUSABLE PRODUCTS / FULL FACE MASKS

FILTERS

REUSABLE PRODUCTS / FULL FACE MASK

BLS 5000 SERIES

Easy removal



Features

01

FACE SEAL

Available in soft thermoplastic rubber (BLS 5150) or silicone rubber (BLS 5400 and 5400/C) both with FDA certification for a higher safety.

02

UNIVERSAL CONNECTION

Standard thread connection according to EN 148-1, universal among all respiratory protection devices.

03

FACE PIECE IN SILICONE

Guarantees better performances and duration.

04

ANTI-FOG

Designed to avoid visor fogging through the control of the cold and hot air flows inside the mask without perishable surface treatments.

Available products

CODE	PRODUCT	CLASS	FACE SEAL	VISOR	HOOD
8001035	BLS 5150	3	Thermoplastic rubber	Live Visor	
8001039	BLS 5400	3	Silicone rubber	Live Visor	
8001084	BLS 5400/C	3	Silicone rubber	Live Visor	✓



Compatible with

400 SERIES FILTERS (pg35)



05

VISOR

Optical class 1 (EN 166), allows a panoramic visual field without optical distortions. A vitrification treatment on its surface makes it scratch resistant.

06

HARNES

Fixed on 6 points directly on the rigid body of the mask in order not to deform the face seal. It allows to distribute the weight of the respirator evenly without leaving face marks.

07

CLASS 3

The masks classified in class 3 offer greater resistance to radiant heat and flame. They can be used for firefighting.



DISPOSABLE PRODUCTS

REUSABLE PRODUCTS / FULL FACE MASKS

REUSABLE PRODUCTS / FULL FACE MASK

BLS 3000 SERIES

Glass visor



Features

01

UNIVERSAL CONNECTION

Standard thread connection according to EN 148-1, universal among all respiratory protection devices.

02

ANTI-FOG

Designed to avoid visor fogging through the control of the cold and hot air flows inside the mask without perishable surface treatments.

03

GLASS VISOR

To guarantee maximum protection of use, the glass is composed of three layers of anti-fragmentation film and guarantees high resistance against chemical agents.

Available products

CODE	PRODUCT	CLASS	FACE SEAL	VISOR
8001064	BLS 3150	2	EPDM	polycarbonate
8001066	BLS 3150V	2	EPDM	glass



Compatible with

400 SERIES FILTERS (pg35)



DISPOSABLE PRODUCTS

REUSABLE PRODUCTS / FULL FACE MASKS

FILTERS

REUSABLE PRODUCTS

ACCESSORIES



C43
Washable bag for half mask and filters with shoulder belt.



C41
Washable bag with shoulder belt for full face masks and filters



C22
Frame for prescription lenses for full face mask 5000 series.



C23
Frame for prescription lenses for full face mask 3000 series.



K15
Polycarbonate visor cover for full face mask 5000 series. Applications: in sandblasting and in presence of abrasive substances.



K19 / K16
Protective film in acetate for full face mask 5000 series (K19) and 3000 series (K16). Applications: Industrial painting and in presence of chemical splashes.



C10
Textile harness for full face mask more comfortable especially with long hair.



C90
Wall mounted container for full face mask and filters.

FILTERS / BAYONET CONNECTION

BLS 200 SERIES



Compatible with /

HALF MASK RESPIRATORS BLS 4000next SERIES (pg22)

FULL FACE MASK RESPIRATORS BLS 5000 SERIES (5600, 5700, 5700/C) (pg28)



Available products

CODE	PRODUCT	PROTECTION	COLOUR CODE
8011118	202 P3 R	Dust	○
8011109	211 A2	Organic gases and vapours, class 2	●
8011205	212 AX	Organic gases and vapours with a boiling point ≤ 65° C	●
8011110	213 ABE1	Organic, inorganic and acid gases and vapours, class 1	● ● ●
8011111	214 ABEK1	Organic, inorganic and acid gases, vapours, ammonia and derivatives, class 1	● ● ● ●
8011112	221 A2P3 R	Organic gases and vapours, class 2 and dust	● ○
8011113	222 ABEK1P3 R	Organic, inorganic and acid gases and vapours and ammonia and derivatives, class 1 and dust	● ● ● ● ○
8011206	225 AXP3 NR ⁽²⁾	Organic gases and vapours with a boiling point ≤ 65°C and dust	● ○
8011145	226 ABE1P3 R	Organic, inorganic and acid gases and vapours, class 1 and dust	● ● ● ○
8011133	242 ABE2 ⁽³⁾	Organic, inorganic and acid gases and vapours, class 2	● ● ●
8011114	243 ABEK2 ⁽³⁾	Organic, inorganic and acid gases, vapours, ammonia and derivatives, class 2	● ● ● ●
8011134	244 K2	Ammonia and derivatives, class 2	●
8011140	253 ABE2P3 R ⁽¹⁾	Organic, inorganic and acid gases and vapours, ammonia, class 2 and dust	● ● ● ○
8011141	254 ABEK2P3 R ⁽¹⁾⁽²⁾	Organic, inorganic and acid gases and vapours and ammonia and derivatives, class 2 and dust	● ● ● ● ○
8011042	301 P2 NR ⁽⁴⁾	Dust	○

(1) these filters cannot be used with half masks because their weight is greater than 300g

(2) these filters are tested against hydrogen fluoride

(3) these filters are tested against formaldehyde

(4) dust prefilter mounted on gas filters BLS 211, 213, 214, 241, 243, 244

FILTERS / BAYONET CONNECTION

BLS 201 SERIES



Compatible with /

HALF MASK RESPIRATORS BLS 4000next SERIES (pg22)

FULL FACE MASK RESPIRATORS BLS 5000 SERIES (5600, 5700) (pg28)



Available products

CODE	PRODUCT	PROTECTION	CARBON LAYER
8011218	BLS 201-3 P3 R	Dust	
8011219	BLS 201-3C P3 R	Dust and nuisance odours	✓

FILTERS / UNIVERSAL CONNECTION EN 148-1

BLS 400 SERIES



Compatible with /

HALF MASK RESPIRATORS BLS SGE46 (pg24)

FULL FACE MASK RESPIRATORS BLS 5000 SERIES (5150, 5400, 5400C) (pg30)

FULL FACE MASK RESPIRATORS BLS 3000 SERIES (pg33)



Available products

CODE	PRODUCT	PROTECTION	COLOUR CODE
8011013	401 P3 R	Dust	○
8011002	411 A2	Organic gases and vapours, class 2	●
8011023	412 AX	Organic gases and vapours with a boiling point lower than 65° C	●
8011005	413 K2	Ammonia and derivatives, class 2	●
8011111	414 ABE2	Organic, inorganic and acid gases and vapours, class 2	● ● ● ●
8011007	415 ABEK2	Organic, inorganic and acid gases and vapours and ammonia and derivatives, class 2	● ● ● ● ●
8011008	421 A2P3 R	Organic gases and vapours, class 2 and dust	● ○
8011024	422 AXP3 NR	Organic gases and vapours with a boiling point lower than 65°C and dust	● ○
8011017	423 ABE2P3 R ⁽¹⁾	Organic, inorganic and acid gases and vapours, class 2 and dust	● ● ● ● ○
8011022	424 ABEK1P3 R	Organic, inorganic and acid gases and vapours, ammonia, class 1 and dust	● ● ● ● ● ○
8011012	425 ABEK2P3 R ^{(1) (2)}	Organic, inorganic and acid gases and vapours, ammonia, class 2 and dust	● ● ● ● ● ○
8011014	430 ABEK2HgP3 R ^{(1) (2)}	Organic, inorganic and acid gases and vapours and ammonia and derivatives class 2 mercury vapours and dust	● ● ● ● ● ● ○

(1) these filters cannot be used with half masks because their weight is greater than 300g
 (2) these filters are tested against hydrogen fluoride

AN OVERVIEW OF BLS RESPIRATORY PROTECTION PRODUCTS



BLS Zer0



BLS Zer0



BLS Classic



BLS Flickit



BLS 8000



BLS 4000next S



BLS 4000next R



BLS 5700



BLS 5600



BLS SGE46



BLS 5400



BLS 5150



BLS 3150



all right reserved BLS srl

Brands and products mentioned in this catalogue are the exclusive property of BLS srl. BLS srl does not take responsibility for any possible and unintentional mistake and reserve the faculty of modifying materials and technical characteristics of its products at any time and without any notice. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions have been thoroughly read and understood.

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

Proudly MADE IN ITALY

BLS, since 1970



HEADQUARTERS — MILAN

via dei Giovi, 41
20032 Cormano (MI) - Italy
t/f +39 0239310212 / 0266200473
info@blsgroup.it - www.blsgroup.com

BLS IBERIA — BARCELONA

Av. Pau Casals, 8
08182 Sant Feliu de Codines - Spain
t/f +34 938663153 / 938663719
info@blsgroup.es - www.blsgroup.com

BLS NORTHWEST — ROTTERDAM

Reeweg, 132
3343 AP H.I. Ambacht - The Netherlands
t +31 787370146
info@blsgroup.nl - www.blsgroup.com

BLS DO BRASIL — SAO PAULO

Rua Joao Negroao, 731
80.010-200 Curitiba (PR) - Brazil
t +55 11 2619-9429
diretoria@blsgroup.com.br - www.blsgroup.com.br

Follow BLS



Download our new
BLS Genius App

