



**RESPIRATORY
PROTECTION
PRODUCTS**

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BLS 200 SERIES

FILTERS WITH BAYONET CONNECTION



Wide range of filters for dust, gases and combined protection, to be used with BLS 4000next series half-masks and BLS 5000 series full-face masks. They are highly efficient, easy to use and highly secure.



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).



DUST FILTER

Filtration efficiency is 99,99%. The integrity of the filtering material is ensured by a protective mesh.



b-lock 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. Off-centre connection to shift the centre of gravity of the filter and improve weight distribution and field of vision.

TESTED ON FORMALDEHYDE

Specific tests show that ABEK and ABE special BLS carbons are capable to guarantee protection from formaldehyde. Even with class 1 filters it's possible to achieve proper protection. At the end of the test the detected concentration of formaldehyde at the end of the filter is lower than half the Threshold Limit Value according to NIOSH TEB-APR-STP-0039A (Breakthrough Point).

FILTER CANISTER

Made of non deformable ABS allows to have an absolute control over the compression of the activated carbon grains within, this way air corridors are completely avoided making the filter 100% safe.

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MATERIALS

FILTER'S CANISTER	Acrylonitrile butadiene styrene (ABS)
DUST FILTERING MATERIAL	Pleated glass fibre
GASES AND VAPOURS FILTERING MATERIAL	Activated carbons grains

STORAGE

SHELF-LIFE	5 years / 10 years (BLS 202 P3 R)
TEMPERATURE	-10° / +50° C
RELATIVE HUMIDITY	80% max

TECHNICAL DATA

MODEL	PROTECTION	TYPE	TESTED on FORMALDEHYDE	TESTED on FLUORIDRIC ACID	NPF (half masks)	NPF (full face masks)	CONNECTION
BLS 202 ⁽²⁾	P3 R	Dust	–	–	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 210	A1	Gases&vapours	–	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 211	A2	Gases&vapours	–	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 212	AX	Gases&vapours	–	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 213	ABE1	Gases&vapours	–	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 214	ABEK1	Gases&vapours	–	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 221	A2P3 R	Combined	–	–	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 222	ABEK1P3 R	Combined	–	✓	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 225 ⁽¹⁾	AXP3 NR	Combined	–	–	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 226	ABE1P3 R	Combined	–	–	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 227	ABEK1HgP3	Combined	–	–	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 242	ABE2	Gases&vapours	✓	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 243	ABEK2	Gases&vapours	✓	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 244	K2	Gases&vapours	–	–	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 253 ⁽¹⁾	ABE2P3 R	Combined	–	–	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 254 ⁽¹⁾	ABEK2HgP3 R	Combined	–	–	48*TLV	1000*TLV	Bayonet (b-lock)

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

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

⁽²⁾ These filters have been tested by the Itene laboratory (University of Valencia), which has certified their 99% filtering efficiency against nanoparticles (diameter down to 0.04 microns)

Test Report Itene 10.09.2022

CERTIFICATION

BLS filters 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 143:2000 + A1:2006 and EN 14387:2004 + A1:2008
- Certified and controlled according to Annex D by Italcert S.r.l. (Notified Body n°0426)
- CE marked

BLS management system is ISO 9001 certified

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TYPES OF FILTERS



Dust



Gases & vapours



Combined

COMPATIBLE DEVICES



Half masks
BLS 4000 next S -
BLS 4000 next R



Full face masks
BLS 5700 - BLS 5600

TRANSPORT

MODEL	CODE	PROTECTION	WEIGHT (g) ± 3	Q. TY/BOX	Q. TY/CARTON	CARTON WEIGHT (Kg) ± 0,1
BLS 202	8011118	P3 R	67	8	64	5,9
BLS 210	8117034	A1	89	8	64	7,3
BLS 211	8011109	A2	89	8	64	7,3
BLS 212	8011205	AX	111	8	64	5,7
BLS 213	8011110	ABE1	100	8	64	7,8
BLS 214	8011111	ABEK1	106	8	64	8,3
BLS 221	8011112	A2P3 R	135	8	64	10,4
BLS 222	8011113	ABEK1P3 R	149	8	64	11,3
BLS 225	8011206	AXP3 NR	157	4	32	6,6
BLS 226	8011145	ABE1P3 R	139	8	64	10,7
BLS 227	8117029	ABEK1HgP3	149	8	64	11,3
BLS 242	8011133	ABE2	125	8	64	10,0
BLS 243	8011114	ABEK2	139	8	64	10,5
BLS 244	8011134	K2	142	8	64	10,5
BLS 253	8011140	ABE2P3 R	175	4	32	6,8
BLS 254	8011141	ABEK2HgP3 R	180	4	32	7,4

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.

SELECTION GUIDE

CLASS

- Determines the duration of the filter:
- Class 1 = 1000 ppm, Class 2 = 5000 ppm

COLOUR CODES

- A = Organic gases and vapours
- AX = Organic gases and vapours (Boiling point <65 ° C)
- B = Inorganic gases and vapours
- E = Acid gases and vapours
- K = Ammonia and derivatives
- Hg = Mercury vapour
- P = Dusts