

**RESPIRATORY
PROTECTION
PRODUCTS**

BLS SRL

via dei Giovi, 41

20032 Cormano (MI) - Italy

t/f +39 0239310212 / 0266200473

info@blsgroup.it - www.blsgroup.com

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

Filtering 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.

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.

ADDITIONAL TESTS

FORMALDEHYDE:

- **BLS 242** and **BLS 243** filters: specific tests show that ABEK and ABE special BLS carbons in these filters 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).

HYDROFLUORIC ACID:

- **BLS 202C P3 HF** filter: tested for hydrofluoric acid (HF) according to the NIOSH protocol RCT-APR-STP-0042, using a reduced test concentration of 10 ppm.
- **BLS 222 ABEK1P3** filter: tested for hydrofluoric acid (HF) according to NIOSH protocol RCT-APR-STP-0042.



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MATERIALS

FILTER'S CANISTER	Acrylonitrile butadiene styrene (ABS)
DUST	Pleated glass fibre; non-woven fabric
FILTERING MATERIAL	impregnated with activated carbon (BLS 202C P3 HF filter only)
GASES AND VAPOURS	Activated carbons grains
FILTERING MATERIAL	

STORAGE

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

DATI TECNICI

MODEL	PROTECTION	NORM	TYPE	NPF (half mask)	NPF (full face mask)	CONNECTION
BLS 202 ⁽⁴⁾	P3 R	EN 143:2021	Dust	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 202C P3 HF	P3	EN 143:2021	Dust	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 210	A1	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 211	A2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 212	AX	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 213	ABE1	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 214	ABEK1	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 221	A2P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 222 ⁽²⁾	ABEK1P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 225 ⁽¹⁾	AXP3 NR	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 226	ABE1P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 227	ABEK1HgP3	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 242 ⁽³⁾	ABE2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 243 ⁽³⁾	ABEK2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 244	K2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	Bayonet (b-lock)
BLS 253 ⁽¹⁾	ABE2P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)
BLS 254 ⁽¹⁾	ABEK2Hg P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	Bayonet (b-lock)

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

⁽²⁾ These filters are tested against hydrogen fluoride

⁽³⁾ These filters are tested against formaldehyde

⁽⁴⁾ 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

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

(A) Organic gases and vapours (Boiling point > 65°C) (B) Inorganic gases and vapours (E) Acid gases and vapours (K) Ammonia and derivatives

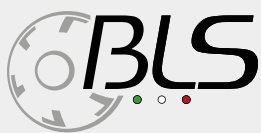
(AX) Organic gases and vapours (Boiling point ≤ 65°C) (Hg) Mercury vapour (P) Dusts

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. BLS 202C P3 HF filter is certified according to harmonized standard EN 143:2021
- 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 4000next S -
BLS 4000next 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 202C P3 HF	8117035	P3	70	8	64	7,8
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 (Boiling point > 65°C)
- B = Inorganic gases and vapours
- E = Acid gases and vapours
- K = Ammonia and derivatives
- AX = Organic gases and vapours (Boiling point ≤ 65°C)
- Hg = Mercury vapour
- P = Dusts