

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.

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 |
| TEMPERATURE | -10° / +50° C |
| RELATIVE HUMIDITY | 70% 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 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 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