



BLS 400 SERIES

FILTERS WITH UNIVERSAL CONNECTION RD40

BLS 400 series filters are available with different protection combinations.
They are compatible with all respiratory protection devices thanks to the universal EN148-1 threaded connection.



DUST FILTER

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

UNIVERSAL CONNECTION

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

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).

FILTER CANISTER

Made of non deformable ABS, it allows to have an absolute control over the compression of the activated carbon grains within.





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MATERIALS

STORAGE

| | |
|--------------------------------------|---------------------------------------|
| FILTER'S CANISTER | Acrylonitrile butadiene styrene (ABS) |
| DUST FILTERING MATERIAL | Pleated fiber mesh |
| GASES AND VAPOURS FILTERING MATERIAL | Activated carbons grains |

| | |
|-------------------|-------------|
| SHELF-LIFE | 5 years |
| TEMPERATURE | -10°C/+50°C |
| RELATIVE HUMIDITY | 70% max |

TECHNICAL DATA

| MODEL | PROTECTION | TYPE | NPF (half masks) | NPF (full face masks) | CONNECTION |
|----------|-------------|---------------|------------------|-----------------------|----------------------|
| BLS 401 | P3 R | Dust | 48*TLV | 1000*TLV | EN 148-1 (Universal) |
| BLS 411 | A2 | Gases&vapours | 50*TLV | 2000*TLV | EN 148-1 (Universal) |
| BLS 412 | AX | Gases&vapours | 50*TLV | 2000*TLV | EN 148-1 (Universal) |
| BLS 413 | K2 | Gases&vapours | 50*TLV | 2000*TLV | EN 148-1 (Universal) |
| BLS 414 | ABE2 | Gases&vapours | 50*TLV | 2000*TLV | EN 148-1 (Universal) |
| BLS 415 | ABEK2 | Gases&vapours | 50*TLV | 2000*TLV | EN 148-1 (Universal) |
| BLS 421 | A2P3 R | Combined | 48*TLV | 1000*TLV | EN 148-1 (Universal) |
| BLS 422 | AXP3 NR | Combined | 48*TLV | 1000*TLV | EN 148-1 (Universal) |
| BLS 423* | ABE2P3 R | Combined | 48*TLV | 1000*TLV | EN 148-1 (Universal) |
| BLS 424 | ABEK1P3 R | Combined | 48*TLV | 1000*TLV | EN 148-1 (Universal) |
| BLS 425* | ABEK2P3 R | Combined | 48*TLV | 1000*TLV | EN 148-1 (Universal) |
| BLS 430* | ABEK2HgP3 R | Combined | 48*TLV | 1000*TLV | EN 148-1 (Universal) |

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

* this filters cannot be used with half masks because their weight combined is more than 300g

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 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
- 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 mask
SGE46

Full face masks
BLS 5400 - BLS 5150

Full face masks
BLS 3150
BLS 3150V

TRANSPORT

| CODE | MODEL | PROTECTION | WEIGHT (g) ± 3 | Q. TY/BOX | Q. TY/CARTON | CARTON WEIGHT (Kg) ± 0,1 |
|---------|---------|-------------|----------------|-----------|--------------|--------------------------|
| 8011013 | BLS 401 | P3 R | 130 | 6 | 24 | 3,2 |
| 8011002 | BLS 411 | A2 | 178 | 4 | 16 | 3,9 |
| 8011023 | BLS 412 | AX | 215 | 4 | 16 | 4,5 |
| 8011005 | BLS 413 | K2 | 267 | 4 | 16 | 5,4 |
| 8011016 | BLS 414 | ABE2 | 261 | 4 | 16 | 4,8 |
| 8011007 | BLS 415 | ABEK2 | 257 | 4 | 16 | 5,3 |
| 8011008 | BLS 421 | A2P3 R | 290 | 4 | 16 | 5,9 |
| 8011024 | BLS 422 | AXP3 NR | 287 | 4 | 16 | 5,8 |
| 8011017 | BLS 423 | ABE2P3 R | 305 | 4 | 16 | 6,1 |
| 8011022 | BLS 424 | ABEK1P3 R | 292 | 4 | 16 | 6,0 |
| 8011012 | BLS 425 | ABEK2P3 R | 338 | 4 | 16 | 6,0 |
| 8011014 | BLS 430 | ABEK2HgP3 R | 340 | 4 | 16 | 6,7 |

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
- K - Ammonia and derivatives
- AX - Organic gases and vapours (Boiling point < 65°C)
- Hg - Mercury vapour
- NO - Nitrous gases
- CO - Carbon oxide
- Reaktor - Radioactive iodine (incl. radioactive iodomethane)
- P - Dust