



**RESPIRATORY
PROTECTION
PRODUCTS**

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BLS 400 SERIES

FILTERS WITH UNIVERSAL RD40 CONNECTION



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 a absolute control over the compression of the activated carbon grains within.





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MATERIALS

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

STORAGE

SHELF-LIFE	5 years / 10 years (BLS 401 P3 R)
TEMPERATURE	-10° / +50° C
RELATIVE HUMIDITY	70% max

TECHNICAL DATA

MODEL	PROTECTION	NORM	TYPE	NPF (half mask)	NPF (full face mask)	CONNECTION
BLS 401 ⁽²⁾	P3 R	EN 143:2021	Dust	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 411	A2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	EN 148-1 (Universal)
BLS 412	AX	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	EN 148-1 (Universal)
BLS 413	K2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	EN 148-1 (Universal)
BLS 414	ABE2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	EN 148-1 (Universal)
BLS 415	ABEK2	EN 14387:2021	Gases&vapours	50*TLV	2000*TLV	EN 148-1 (Universal)
BLS 421	A2P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 422	AXP3 NR	EN 14387:2021	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 423 ⁽¹⁾	ABE2P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 424	ABEK1P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 425 ⁽¹⁾	ABEK2P3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 430 ⁽¹⁾	ABEK2HgP3 R	EN 14387:2021	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)

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

⁽²⁾ These filters have been tested with Nano Filtration technology

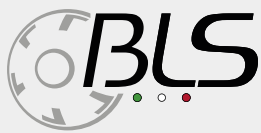
(TLV) Threshold Limit Value (NPF) Nominal Protection Factor

(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

TRANSPORT

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



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TYPES OF FILTERS



Dust

Gases
and vapours

Combined

COMPATIBLE DEVICES



Half mask
SGE46

Full face masks
BLS 5400 - BLS 5150

Full face masks
BLS 2150 -
BLS 2150V

Full face masks
BLS 3150 -
BLS 3150V

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 143:2021 and EN 14387:2021
- 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.

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