

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

Filtration 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	Activated carbons grains
FILTERING MATERIAL	

STORAGE

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

TECHNICAL DATA

MODEL	PROTECTION	TYPE	NPF (half masks)	NPF (full face masks)	CONNECTION
BLS 401 ⁽²⁾	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 ⁽¹⁾	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 ⁽¹⁾	ABEK2P3 R	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)
BLS 430 ⁽¹⁾	ABEK2HgP3 R	Combined	48*TLV	1000*TLV	EN 148-1 (Universal)

(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 with Nano Filtration technology

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
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

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