



**RESPIRATORY
PROTECTION
PRODUCTS**

BLS SRL
via dei Giovi, 41
20032 Cormano (MI) - Italy
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info@blsgroup.it - www.blsgroup.com

BLS 442 Reaktor A2P3 R D

FILTERS WITH UNIVERSAL CONNECTION RD40



BLS 442, as well as all filters of BLS 400 series, has a universal connection and it is compatible with all respiratory protective devices with RD40 connection.



DUST FILTER

Filtering efficiency is 99.99%. The anti-aerosol part characterized by a pleated glass fiber and synthetic binder septum allows protection against solid and liquid particulates (dust, fumes and mists) with the efficiency indicated by the class to which it belongs.

ACTIVATED CARBON

The quality of the activated carbons used by BLS for gas and vapor filtration meets high safety standards and guarantees excellent filtration performance.

REAKTOR

Combined filter, medium capacity for use against radioactive iodine including radioactive methyl iodide and radioactive dust.

UNIVERSAL CONNECTION

BLS 400 series filters are equipped with a standardised thread according to EN 148-1, which is universal for respiratory protective devices.

FILTER CANISTER

The casing is made entirely of aluminium to ensure mechanical and heat resistance.



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MATERIALS

FILTER'S CANISTER	Aluminium with plastic caps
DUST FILTERING MATERIAL	Pleated fiber mesh
GASES AND VAPOURS	Activated carbon grains
FILTERING MATERIAL	

STORAGE

SHELF-LIFE	5 years
TEMPERATURE	-10° / +50° C
RELATIVE HUMIDITY	80% max

TECHNICAL DATA

MODEL	PROTECTION	TYPE	SINGLE PACKED	NPF (full face masks)	CONNECTION
BLS 442 *	Reaktor A2P3 R D	Combined		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
Hg = Mercury vapour NO = Nitrous gases CO = Carbon monoxide (20 min duration) 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 14387:2004 + A1:2008 and DIN 58621:2011
- 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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TYPE OF FILTER



Combined filter

COMPATIBLE DEVICES



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) $\pm 0,1$
8117005	BLS 442	Reaktor A2P3 R D	-	1	18	8,1

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
- NO - Nitrous gases
- CO - Carbon oxide
- Reaktor - Radioactive iodine (including radioactive iodomethane)
- ☐ P - Dusts