



# 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 EN148-1 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.

## ACTIVE 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.



**RESPIRATORY  
PROTECTION  
PRODUCTS**

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## MATERIALS

## STORAGE

FILTER'S CANISTER	Aluminium with plastic caps	SHELF-LIFE	5 years
DUST FILTERING MATERIAL	Pleated fiber mesh	TEMPERATURE	0°C/+50°C
GASES AND VAPOURS	Activated carbon grains	RELATIVE HUMIDITY	80% max
FILTERING MATERIAL			

## 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

## CERTIFICATIONS

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 e DIN 3181-3 (Reaktor)
- 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



COMBINED

## COMPATIBLE DEVICES



BLS 5000  
SERIES



BLS 3000  
SERIES



## TRANSPORT

CODE	MODEL	PROTECTION	WEIGHT (g) ± 3	Q.TY/BOX Q.	Q.TY/CARTON	CARTON WEIGHT (Kg) ± 0,1
8117005	BLS 442	Reaktor A2P3 R D	~ 355	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