

BLS Zer0 32 SERIES

DISPOSABLE CUP SHAPED FILTERING FACEPIECES WITH ADJUSTABLE ELASTICS



BLS Zer0 32 series filtering facepieces offer maximum protection with an outstanding breathing comfort. They have a micro-mesh on the surface that prevents the clogging of the filtering material and the absorption of liquids, thus extending the life of the device. Great transpiration performances with a ratio of transmission of water vapour through the material equal to 4500 g/m²*24hrs.

PROTECTION

Better than a P3



STANDARD



*BLS Zer0 32



BREATHING RESISTANCE

Better than a P1



Inspiration
95 l/m



Exhalation
160 l/m



* tested by BLS Lab

ANATOMIC

The pre-formed cup and elastic support makes an easier and reliable fit, perfectly adapting to different physiognomies and ensuring an excellent hold. It offers an excellent visual field and a great compatibility with glasses.

HIGH EFFICIENCY EOLO VALVE

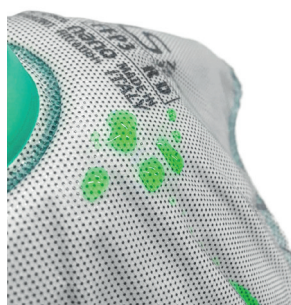
Eolo Technology is our system for fixing the valve's membrane on three points instead of one, which allows an air passage in exhalation 30% higher than traditional valves, concentrating it in two points of maximum opening.

EXTERNAL PROTECTIVE LAYER ARMOR®

It is an external protective layer that ensures the protection of the filtering material from dirt, dust and liquids extending and preserving filtering efficiency and making the device safer.

ADJUSTABLE ELASTICS

Thanks also to the innovative drop-off system, they facilitate the correct positioning of the mask on the face.



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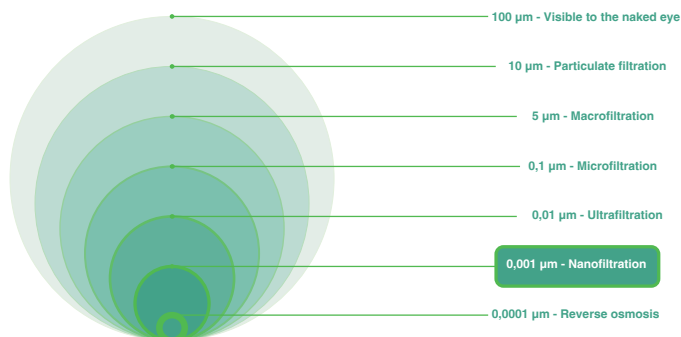
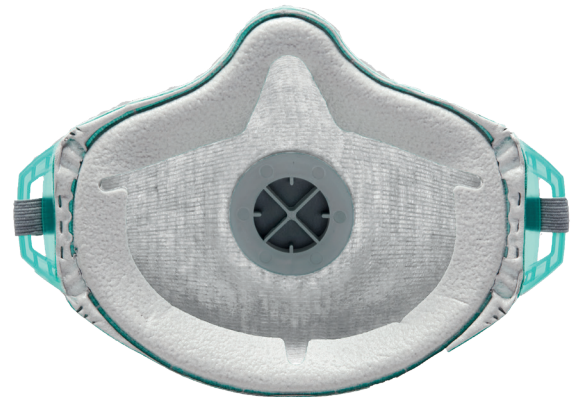
INTERNAL SUPPORT

The new material has more eco-friendly requirements than the previous green fabric, as well as being lighter and softer, for a more pleasant contact with the face.

WHAT ARE NANOPARTICLES AND WHY IS IT SO IMPORTANT TO PROTECT ONSELF?

They are particles with a diameter of approximately 1 to 100 nm (0.001 μm 0.1 μm).

Recent studies have shown that some nanoparticles can penetrate cells and tissues, move through the body and brain and cause biochemical damage. In particular, the small size of nanopowders allows them to behave in a manner that can be described as intermediate between that of gases and the rest of suspended particulate matter. Adequate protection is therefore essential.



EXAMPLES OF NANOPARTICLES

diesel engine emissions, in welding, metal cutting, foundries. BLS Zero filtering masks ensure 99% filtration of nanoparticles, as verified by tests carried out at the Itene Research Institute (Valencia) - Test report of September 10th 2022

	NaCl	Al ₂ O ₃	TiO ₂	ZnO	Graphene
Penetration (%)	0,89	0,92	0,91	0,61	0,92
Filtration efficiency (%)	99,211	99,08	99,09	99,39	99,08



**RESPIRATORY
PROTECTION
PRODUCTS**

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MATERIALS

ELASTICS	Polyester (PES) and rubber
ELASTIC HOLES	Polypropylene (PP)
REAR HOOKS	Polypropylene (PP)
NOSE CLIP	Reinforced Polypropylene (PP) with heat treated metal
VALVE	Polypropylene (PP); Rubber
GASKET	Foamed polymer coupled with polyester textile (PES)
FILTERING MATERIAL	Polypropylene (PP)
PROTECTIVE LAYER	Polyethylene (PE)
CARBON LAYER	Polyester (PES) + carbons
FLAME RESISTANT LAYER	Modacrylic textile fiber (MA)
OUTER LAYER	White Polyethylene (PE) *

*All components in direct contact with user's face are LATEX FREE
The product is Made in Europe, as all its components are
(* from March 2023)*

TECHNICAL DATA

PRODUCT	CODE	CLASS of PROTECTION	FPN	VALVE	CARBON LAYER	FLAME RESISTANT	ELASTICS	GASKET
BLS Zer0 32	8006298	FFP3 R D	50*TLV	✓			Sliding	Complete
BLS Zer0 32 C	8006300	FFP3 R D	50*TLV	✓	✓		Sliding	Complete
BLS Zer0 32 C Flame Retardant	8006342	FFP3 R D	50*TLV	✓	✓	✓	Sliding	Complete

*(NR) Not Reusable, 8 hours max (R) Reusable (TLV) Threshold Limit Value (D) The product passed Dolomite test, simulates a heightened level of solid particles
(NPF) Nominal Protection Factor
(ACTIVATED CARBONS) Able to block gases&vapours organic and acid with concentrations lower than the TLV (FLAME RESISTANT LAYER) Recommended for welding operations*

TRANSPORT

PRODUCT	CODE	WEIGHT (g)	Q.TY/BOX	Q.TY/CARTON	CARTON WEIGHT (Kg)	Q.TY/PALLET
BLS Zer0 32	8006298	29	5	40	2,85	1.440
_Single pack	8006305	29	5	40	2,85	1.440
BLS Zer0 32 C	8006300	30,5	5	40	2,90	1.440
_Single pack	8006307	30,5	5	40	2,90	1.440
BLS Zer0 32 C Flame Retardant	8006342	34	5	40	3,05	1.440
_Single pack	8006343	34	5	40	3,05	1.440

STORAGE

SHELF-LIFE	10 years/5 years (models with activated carbon)
TEMPERATURE	+5°C/+40°C
RELATIVE HUMIDITY	<60%



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AVAILABLE MODELS



BLS Zer0 32



BLS Zer0 32 C



BLS Zer0 32C -
Flame Retardant

CERTIFICATION

BLS filtering facepieces 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 149:2001+A1:2009
- 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.

SELECTION GUIDE

PROTECTIVE LAYER_ BLS Zer0 32 / BLS Zer0 32 C

- The external protective layer makes filtering facepieces suitable for handling in highly contaminated environments (i.e. use of gloves)

CARBON LAYER_ BLS Zer0 32C / BLS Zer0 32 C Flame Retardant

- Able to block organic and acid gases and vapours with concentrations lower than the TLV
- Ideal for operations with ozone related risk (risk concentrations lower than the TLV)

FULL GASKET_ ALL MODELS

- Guarantees the best fit on all face sizes
- Extends product's life

FLAME RETARDANT_ BLS Zer0 32 C Flame Retardant

- This extra layer makes the filtering facepiece suitable for welding operations

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.