

# BLS Zer0 SERIES

## DISPOSABLE CUP SHAPED RESPIRATORS

WATCH THE VIDEO

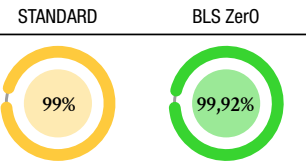
<https://youtu.be/8Degg0wSMmY>

The anatomic disposable respirators from BLS Zer0 series offer maximum protection with an outstanding breathing comfort. Great transpiration performances with a ratio of transmission of water vapour through the material equal to  $4500 \text{ g/m}^2 * 24\text{hrs}$ . A value that defines materials of a high transpiration range which make it ideal for hard physical work.



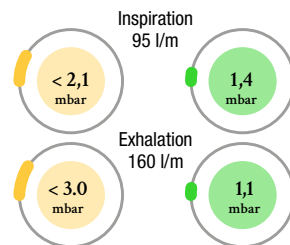
### PROTECTION

Better than a P3



### BREATHING RESISTANCE

Better than a P1



\* tested by BLS Lab



### ANATOMIC

The pre-formed and elastic support make an easier and reliable fit to all kinds of faces. It offers an excellent visual field and a great compatibility with glasses.

### PROTECTION FROM NANOPARTICLES

If inhaled, nanoparticles (between 1 and 100 nanometers wide), are able to cross cellular membranes reaching internal organs and potentially cause severe harm to the body being very difficult to dispose. Specific tests have helped us to develop a filtering medium able to successfully block the access of such substances. With NANOFILTRATION, BLS can guarantee a new standard of protection against nanoparticles.



### EXTERNAL PROTECTIVE LAYER

Ensures the protection of the filtering material from dirt, dust and liquids, extending and preserving filtering efficiency, thanks to a reduced mechanical stress, which could damage the material.

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### MATERIALS

HARNESS	Welded thermoplastic elastomer (TPE)
NOSE CLIP	Reinforced Polypropylene (PP) with heat treated metal
VALVE	Polypropylene (PP); Rubber
GASKET	Foamed polymer coupled with polyester textile (PES)
FILTERING LAYER	Polypropylene (PP)
PROTECTIVE LAYER	Polyethylene (PE)
CARBON LAYER	Polyester (PES)

All components in direct contact with user's face are LATEX FREE

### TECHNICAL DATA

PRODUCT	CLASS of PROTECTION	NPF	EXHALATION VALVE	CARBON LAYER	GASKET
BLS Zer0 30 NV	FFP3 R D	50*TLV			Partial
BLS Zer0 30	FFP3 R D	50*TLV	✓		Partial
BLS Zer0 30 C	FFP3 R D	50*TLV	✓	✓	Partial
BLS Zer0 31	FFP3 R D	50*TLV	✓		Complete
BLS Zer0 31 C	FFP3 R D	50*TLV	✓	✓	Complete

(NR) Not Reusable, 8 hours max (R) Reusable (TLV) Threshold Limit Value

(ACTIVATED CARBONS) Able to block gases&vapours organic and acid with concentrations lower that the TLV (NPF) Nominal Protection Factor

(D) The product passed Dolomite test, simulates a heightened level of solid particles

### CERTIFICATION

BLS respirators are:

- certified according to the European Regulation 425/2016 (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 9001:2015 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.

### STORAGE

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

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### TRANSPORT

PRODUCT	CODE	WEIGHT (g)	Q.TY / BOX	Q.TY / CARTON	CARTON WEIGHT (Kg)	Q.TY / PALLET
BLS Zer0 30 NV	8006334	15	10	120	3,15	3840
_single pack	8006339	18	10	120	3,51	3840
BLS Zer0 30	8006332	21	10	120	3,74	3840
_single pack	8006337	22	10	120	4,1	3840
BLS Zer0 30 C	8006333	16	10	120	3,92	3840
_single pack	8006338	19	10	120	4,28	3840
BLS Zer0 31	8006335	20	10	120	3,74	3840
_single pack	8006340	20	5	60	2,9	1920
BLS Zer0 31 C	8006336	20	10	120	4,1	3840
_single pack	8006341	20	5	60	3,09	1920

### AVAILABLE MODELS



### SELECTION GUIDE

#### PROTECTIVE LAYER \_ ALL MODELS

- The external protective layer makes Zer0 masks suitable for handling in highly contaminated environments (i.e. use of gloves)

#### NO VALVE BLS \_ Zer0 30 NV

- Also protects the environment from the user
- Ideal in the medical or food industry and all working environments where contamination from the user must be avoided

#### CARBON LAYER \_ BLS Zer0 30 C / BLS Zer0 31 C

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

#### FULL GASKET (nose + chin) \_ BLS Zer0 31 / BLS Zer0 31 C

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