

# BLS Zer0 SERIES

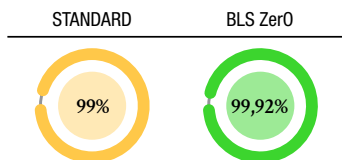
## DISPOSABLE CUP SHAPED RESPIRATORS

**WATCH THE VIDEO**  
<https://youtu.be/8Degg0wSMmY>

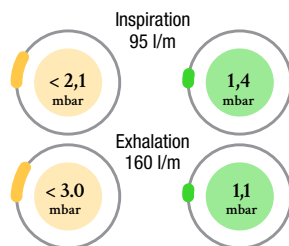
The anatomic disposable respirators from BLS Zer0 series offer maximum protection with an outstanding breathing comfort. Great transpiration performances with a ratio of transmission of water vapour through the material equal to  $4500 \text{ g/m}^2 * 24\text{hrs}$ . A value that defines materials of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

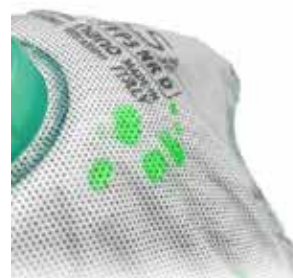
### PROTECTION FROM NANOPARTICLES

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.



### ANATOMIC

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



### EXTERNAL PROTECTIVE LAYER

Ensures the protection of the filtering material from dirt, dust and liquids as well as the normal mechanical stress due to prolonged use thus extending and preserving filtering efficiency and making the device safer.

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## DISPOSABLE CUP SHAPED RESPIRATORS

### MATERIALS

HARNES	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 MEDIUM	Polypropylene (PP)
PROTECTIVE LAYER	Polyethylene (PE)
ACTIVATED CARBONS LAYER	Polyester (PES)

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

### TECHNICAL DATA

MODEL	CLASS of PROTECTION	NPF	VALVE	ACTIVATED CARBONS	FACE SEAL
BLS Zer0 30 NV	FFP3 NR D	50*TLV	—	—	Upper
BLS Zer0 30	FFP3 NR D	50*TLV	V	—	Upper
BLS Zer0 30 C	FFP NR D	50*TLV	V	V	Upper
BLS Zer0 31	FFP3 R D	50*TLV	V	—	Full
BLS Zer0 31 C	FFP3 R D	50*TLV	V	V	Full

(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

Disposable facepieces produced by BLS are:

- certified according with DIR 89/686
- certified as PPE of III category, in presumption of conformity to harmonized standard EN 149:2001+A1:2009
- certified (Art. 10) and controlled (Art. 11.B) by Italcert S.r.l. (Notified Body n°0426)
- CE marked

BLS management system is ISO 9001:2008 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

MODEL	CODE	WEIGHT (g)	Q.TY / BOX	Q.TY / CARTON	CARTON WEIGHT (Kg)	Q.TY / PALLET
BLS Zer0 30 NV	8006295	15	10	120	3,15	3840
_single pack	8006302	18	10	120	3,51	3840
BLS Zer0 30	8006296	21	10	120	3,74	3840
_single pack	8006303	22	10	120	4,1	3840
BLS Zer0 30 C	8006299	16	10	120	3,92	3840
_single pack	8006306	19	10	120	4,28	3840
BLS Zer0 31	8006297	20	10	120	3,74	3840
_single pack	8006304	20	5	60	2,9	1920
BLS Zer0 31 C	8006301	20	10	120	4,1	3840
_single pack	8006308	20	5	60	3,09	1920

### AVAILABLE MODELS



No valve  
BLS Zer0 30 NV



Upper face seal  
BLS Zer0 30



Full face seal  
BLS Zer0 31



Upper face seal  
Activated carbons  
BLS Zer0 30 C



Full face seal  
Activated carbons  
BLS Zer0 31

### 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

#### ACTIVATED CARBONS \_ BLS Zer0 30 C / BLS Zer0 31 C

- Able to block gases&vapours organic as well as acid with concentrations lower that the TLV
- Ideal for welding byproducts like ozone

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

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

### WEARING INSTRUCTIONS

