



# berner

## FFP3 BLS Zero 31 Facemask

The Berner FFP3 BLS Zero 31 is an innovative, non sterile respiratory facemask designed to provide high level FFP3 rated protection, with minimal breathing resistance comparable to a FFP1 respiratory facemask. Using integrated nanoparticle filtration technology the filter medium successfully blocks the inhalation of nanoparticles down to 0.001µm which can easily penetrate the body due to their small size.

Elasticated straps combined with a soft facial seal grants an assured and comfortable fit to suit different face shapes. An outer micro mesh net on the surface of the mask protects the filter material from dust accumulation and mechanical damage allowing for prolonged use.

The Berner FFP3 BLS Zero 31 Facemask is type tested and certified in accordance with the EU directive 89/686/EEC personal protective equipment (PPE). The type test per-form was based on EN 149:2001+A1:2009.



### Features and Benefits

- ✓ Integrated nanoparticle filtration down to 0.001µm
- ✓ Minimal breathing resistance comparable to a FFP1 respirator
- ✓ Easy, reliable fit
- ✓ Soft internal layer keeping skin cool and dry
- ✓ Tested and certified to EN 149:2001+A1:2009
- ✓ Robust protective outer layer

### Ordering Information

**FM100181**

Berner FFP3 BLS Zero 31 Facemask  
non sterile • 10 pcs/pck

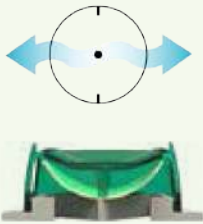


FM100181



## Technical Data

Material	<b>Straps</b>	Thermoplastic
	<b>Seal</b>	Polymeric foam with polyester
	<b>Valve</b>	Polypropylene
	<b>Nose clip</b>	Polypropylene with annealed metal
Colour	Grey with green valve and strap	
Properties	EOLO Technology fastening system; Nonfiltration Technology; Armor protection	
Fitting	Adjustable elasticated straps	
Material Weight	20g	
Packaging	10 x facemasks per sealed outer polybag; 1 x outer polybag per carton	
Test Performance Per ASTM F2100	Filtration efficiency (minimum) – sodium chloride > 99%, paraffin oil > 99%	
Compliance	Certified in accordance with the standard EN 149:2001 + A1:2009; CE mark for complex PPE, Category III in accordance with PPE Directive 89/686/EEC; it does not provide protection against gases and vapours	
Sterilisation	Non sterile	
Shelf Life	10 years from date of manufacture	



### EOLO

EOLO Technology is a fastening system of the ultralight membrane of the exhalation valve which is fixed on three aligned points instead of a single one concentrating the exhaled air into two zones of maximum aperture, 30% wider than before. With these improvements breathing resistance decreases significantly.

### Why ZerØ?

Why give up maximum comfort if you can have it with the best protection?

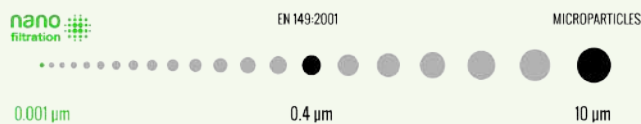
The new BLS's cup shaped line is designed for comfort to offer you both:

**maximum protection and maximum comfort.**

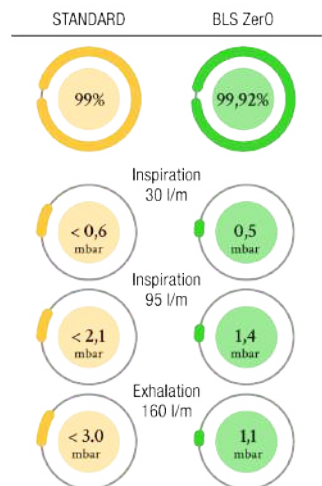
ZerØ series includes only P3 facepieces, but provides breathing resistance comparable to a P1.

### Nanofiltration

If inhaled, nanoparticles (between 1 and 100 nanometres), are able to cross cellular membranes reaching internal organs and potentially cause severe harm to the body. Specific tests have helped to develop a filtering medium able to successfully block the access of such substances. Using Nanofiltration guarantees a new standard of protection against nanoparticles.



**PROTECTION**  
Better than a P3



**BREATHING RESISTANCE**  
Better than a P1



\* tested by BLS Lab

### Armor

It's an external layer that ensures the protection of the filtering material from dirt, dust and liquids as well as the normal mechanical stress extending and preserving filtering efficiency and making the device safer.

