



FEEL FREE
TO BREATHE

BLS ZERO SERIES

CUP SHAPED FACEPIECES



TECHNICAL DATA SHEETS

blsgroup.it

EN_Rev 10/16



Proudly MADE IN ITALY

BLS, since 1970

BLS ZERO SERIES / cup shaped filtering facepieces

MATERIALS

HARNESS	Welded thermoplastic elastomer (TPE)
NOSE CLIP	Internal - Polypropylene (PP) with annealed metal
VALVE (COVER and HOLDER)	Polypropylene (PP)
VALVE (MEMBRANE)	Rubber
GASKET	Foamed polymer coupled with polyester textile (PES)
FILTERING MEDIUM	Polypropylene (PP)
PROTECTIVE LAYER	Polyethylene (PE)
ACTIVATED CARBON LAYER	Polyester (PES)

TECHNICAL DATA

ARTICLE	CLASS of PROTECTION	NPF	VALVE	ACTIVE CARBONS	GASKET
BLS Zer0 30 NV	FFP3 NR D	50*TLV			partial
BLS Zer0 30	FFP3 NR D	50*TLV	✓		partial
BLS Zer0 30 C	FFP3 NR 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 for organic and acid gases & vapours **NPF** Nominal Protection Factor
D The product passed Dolomite test (simulates a heightened level of solid particles)

SOLO
technology

HIGH EFFICIENCY VALVE

allows a P3 protection
combined with a P1
respiratory resistance

nan
technology

PROTECTION FROM NANO PARTICLES

they can have deeper
pulmonary penetration,
leading to easier transport into
the blood stream

ARM#R
technology

PROTECTIVE MICRONET

protects filtering medium
from dusts collection
and from mechanical tear

PREFORMED SUPPORT

enhances the structural
strengths giving a better fit

PERFORMANCES

		FFP3 NR D			FFP3 R D	
TESTS EN 149:2001+A1:2009	TEST METHOD	STANDARD	BLS Zer0 30 NV	BLS Zer0 30 BLS Zer0 30 C	STANDARD	BLS Zer0 31 BLS Zer0 31 C
BREATHING RESISTANCE (mbar)	INHALATION 30 l/min	< 1,0	0,4	0,5	< 1,0	0,4
	INHALATION 95 l/min	< 3,0	1,2	1,4	< 3,0	1,2
	EXHALATION 160 l/min	< 3,0	2,0	1,1	< 3,0	1,1
FILTERING EFFICIENCY 95 l/min (%)	After 120 mg of paraffin oil. Simulation of a work shift (8 hours)	> 99	99,9	99,9	> 99	99,9
	AFTER STORAGE (24 hours)	for Reusable models ONLY			> 99	99,8

TRANSPORT

ARTICLE	CODE	WEIGHT (g)	Q.TY per BOX	BOX SIZE (cm)	BOX WEIGHT (g)	Q.TY per CARTON	CARTON SIZE (cm)	CARTON WEIGHT (kg)	Q.TY per PALLET
BLS Zer0 30 NV	8006295	15	10	12,8 x 14,2 x 23	220	120	30x40x48	3,15	3.840
BLS Zer0 30 NV - single packed	8006302	18	10	12,8 x 14,2 x 23	250	120	30x40x48	3,51	3.840
BLS Zer0 30	8006296	21	10	12,8 x 14,2 x 23	280	120	30x40x48	3,74	3.840
BLS Zer0 30 - single packed	8006303	22	10	12,8 x 14,2 x 23	290	120	30x40x48	4,10	3.840
BLS Zer0 30 C	8006299	16	10	12,8 x 14,2 x 23	230	120	30x40x48	3,92	3.840
BLS Zer0 30 C - single packed	8006306	19	10	12,8 x 14,2 x 23	260	120	30x40x48	4,28	3.840
BLS Zer0 31	8006297	20	10	12,8 x 14,2 x 23	270	120	30x40x48	3,74	3.840
BLS Zer0 31 - single packed	8006304	20	5	12,8 x 14,2 x 23	270	60	30x40x48	2,90	1.920
BLS Zer0 31 C	8006301	20	10	12,8 x 14,2 x 23	270	120	30x40x48	4,10	3.840
BLS Zer0 31 C - single packed	8006308	20	5	12,8 x 14,2 x 23	270	60	30x40x48	3,09	1.920

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WEARING INSTRUCTIONS



STORAGE

DURATION	10 years / 5 years (models with active carbon layer)
TEMPERATURE	+ 5° C / + 40° C
RELATIVE HUMIDITY	< 60 %

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

AVAILABLE MODELS



BLS Zer0 30 NV



**BLS Zer0 30
BLS Zer0 30 C**



**BLS Zer0 31
BLS Zer0 31 C**

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 than the TLV
- ideal for welding byproducts like ozone

COMPLETE GASKET

BLS Zer0 31 / BLS Zer0 31 C

- guarantees the best fit on all face sizes
- makes the product even more durable

All the components which are in direct contact to user's face are NOT made with natural rubber LATEX