



# Worktime

ZAŠTITA DIŠNIH PUTEVA RESPIRATORY PROTECTION



# ZAŠTITNI RESPIRATORI, MASKE I POLUMASKE

## OSOBNIA SREDSTVA ZA ZAŠTITU DIŠNIH PUTOVA

- Respirator za zaštitu dišnih putova namijenjen je osobnoj zaštiti protiv rizika udisanja opasnih supstanci koje se nalaze u radnoj atmosferi u obliku krutih prašina ili tekućih aerosola, plina ili pare.
- Korisnici respiratora moraju poznavati prirodu prisutnih rizika, koncentraciju opasnih supstanci u radnoj atmosferi, limite zaštite respiratora, dužinu radnog vremena kako bi se odabrao pravovaljani respirator i omogućila adekvatna zaštita.
- Potrebno je imati percepciju o limitima izlaganja rizicima. Limiti izlaganja su nivoi u kojima nezaštićeni radnik može biti izložen štetnim utjecajima otrova. Razlikujemo dugotrajne limite izlaganja (LTEL-Long Term Exposure Limit; 8h izlaganje) i kratkotrajne limite izlaganja (STEL-Short Term Exposure Limit; 15 min izlaganje).
- Navedene vrijednosti ovise o nacionalnim odredbama.

## RESPIRATORI ZA JEDNOKRATNU UPOTREBU KOJI ŠTITE OD ČESTICA

- Sastoje se potpuno ili gotovo potpuno od filtera
- Mogu imati ventil za disanje.
- Artikle pokriva norma EN 149:2001. Označavaju se oznakama FFP1 (filter niskog kapaciteta), FFP2 (filter srednjeg kapaciteta) ili FFP3 (filter visokog kapaciteta), sukladno klasi učinkovitosti.

## OBJAŠNJENJE KRATICA

“SL”	artikl štiti i od prašine i od aerosola.
“VO”	filteri koje štite od organskih para
“GA”	artikl štiti od kiselih plinova.
“NR”	jednokratni
“R”	višekratni
“D”	<b>dolomit test za dugotrajnost</b>
“C”	aktivni ugljen

## Pune maske i polu-maske s filterom

- Pune maske prekrivaju čelo, nos, usta, bradu i imaju štitnik za oči; njihova su svojstva definirana u normi EN 136.
- Polu maske pokrivaju nos, usta i bradu te su njihova svojstva definirana normom EN 140.
- Polu maske i maske moraju u potpunosti prianjati uz lice kako bi njihova uporaba bila potpuna (u protivnom, njihova primjena će biti djelomična).
- Svojstva zamjenskih filtera definirana su normom EN 141 (zaštita od organske i anorganske pare, prašine, kiseli plin, amonijak, otapala), EN 143 (prašina, neotoksični plin i sitne toksične čestice) i označeni su različitim bojama koje predstavljaju određenu zaštitu prema europskim standardima i klasi filtera : 1 = nizak kapacitet, 2 = srednji kapacitet, 3 = visok kapacitet.
- Nikada ne koristiti filter masku u uvjetima kada je koncentracija kisika niža od 17 Vol.%

# RESPIRATORS, FULL FACE MASKS AND HALF MASKS

## PERSONAL PROTECTIVE EQUIPMENT FOR PROTECTION OF THE AIRWAYS

- A respiratory protective equipment is meant to protect a person against hazardous substances present in the atmosphere where he/she should work under forms like solid or liquid aerosols or gas, vapours or steam.
- The user of a respiratory protective equipment must know the nature of the present risks (composition and concentration of the toxic substances) in the atmosphere in which he/she should work on one hand, and the performance level and limits of the respirator on the other hand. It's important to take into consideration the time during which the protection must be ensured as well as the physiologic charge (breathing rhythm) of the user in order to select a respirator having the adapted autonomy.
- The Occupational Exposure Limit values are the levels of toxic contaminants to which an unprotected worker may be exposed during a given period without adverse health effects. Are distinguished the Long Term Exposure Limit (LTEL for exposure to an 8-hour period) and the Short Term Exposure Limit (STEL for exposure to a 15-minute interval).
- These values depend on national legislations.

## Disposable particulate half-masks against aerosols

- They are totally or mostly made in the filtering material itself.
- They can be made with or without a exhalation valve.
- These protectors are covered by the European Standard EN149 : 2001. They are marked FFP1 (low filtering capacity), FFP2 (medium filtering capacity) or FFP3 (high filtering capacity). «SL» if they both protect against solid and liquid aerosols.
- They are marked «VO» when they protect against organic vapours and «GA» if they protect against acid gases.

## Full-face and half-face masks with filtre cartridges

- Full-face masks cover the forehead, nose, mouth and chin and have a ocular piece ; their characteristics are described in the European standard EN136.
- Half-face masks cover the nose, mouth and chin and are discribed in the European standard EN140.
- To wear a face mask like a full-face or a half-face mask, it is necessary to make sure that the sealing surface is completely continuous to the face. Men must be correctly shaven and any interposition of hair, beard, or glasses temples must be avoided (otherwise the assigned protection factor will be reduced).
- The threaded filtre cartridges for the masks comply with the European standards EN141 and EN14387 (antigas and combined filters) and EN143 (anti-aerosols) and are labelled with colour-codes according to the European standards and filtering classes : 1 = low capacity, 2 = medium capacity, 3 = high capacity.
- Never use the filtering masks in atmospheres where the Oxygen content is lower than 17 Vol.%.

## EXPLANATION OF SHORTCUTS

“SL”	protect against solid and liquid aerosols
“VO”	“protect against organic vapours”
“GA”	protect against acid gases.
“NR”	non reusable
“R”	reusable
“D”	<b>dolomite test for durability</b>
“C”	carbon layer

## INDUSTRIJA PRIMJENE INDUSTRY APPLICATION

 Poljoprivreda / vrtlarstvo Agriculture / gardening	 Laka industrija Light industry	 Usluge / logistika Services / logistics
 Građevina Construction industry	 Pomoćni poslovi / obrtništvo Auxiliary operations / crafts	 Teška industrija Heavy industry

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Tvrtka BLS osnovana je 1970 godine sa sjedištem u Milanu sa misijom stvaranja proizvoda za zaštitu respiratornog sustava visokog stupnja zaštite, kvalitete te dugotrajnosti.

PPE (Personal Protective Equipment ) tj. Osobna Zaštitna Sredstva se dijele u 3 kategorije

- KATEGORIJA I \_minimalni rizici- CAT I
- KATEGORIJA II\_ rizici kod kojih može doći do ozljede ljudi ali nemaju smrtne posljedice – CAT II
- KATEGORIJA III\_oprema za zaštitu od smrtnih rizika i ireverzibilnih (trajnih ) štetnih ozljeda - CAT III
- RPP (Respiratory Protection Products) SPADAJU U KATEGORIJU III PPE služe za zaštitu ljudi od smrtnih rizika a osnovna podjela je na proizvode koji štite od PRAŠINE, MAGLE, DIMA I AEROSOLA (RESPIRATORI) te proizvodi koji štite od PLINOVA I PARA ( MASKE I POLUMASKE TE ODGOVARAJUĆI FILTERI )

**RAZRED ZAŠTITE za prašinu, maglu, dim i aerosole - BLS ZERO SERIES, BLS FLICKIT SERIES, BLS CLASSIC SERIES, BLS ECONOMY LINE 100 SERIES**

Europska norma EN 529:2005 pokazuje kako odabrati ispravan aparat za disanje na temelju procjene rizika. Ovaj standard označava "zaštitu" faktor "koji je po definiciji parametar koji izražava omjer između koncentracija zagađivača u okolišu i njegovoj koncentraciji unutar aparata za disanje. Značajna razlika odnosi se na nominalni faktor zaštite (NPF) idodijeljeni faktor zaštite (APF). Nominalni faktor zaštite (NPF) je broj izveden iz maksimalnog postotka ukupnog gubitka (premaunutrašnjost uređaja disanja) dopuštenog europskim normama. Dodijeljeni faktor zaštite (APF) je razina respiratorne zaštitekoja se realno može očekivati na 95% radnih mjesta korisnika OZOVAžna referenca za odabir uređaja za disanje je granična vrijednost (TLV), odnosno "granična vrijednost izloženosti"koja ukazuje na koncentraciju kemikalija u okolišu kojojvećina radnika može biti izložena dnevno bez ikakvog negativnog utjecaja na njihovoizdravlje.

The European Standard EN 529:2005 shows how to select the correct breathing apparatus based on the risk assessment. This standard indicates the "protection factor" which is by definition the parameter that expresses the ratio between the concentration of the contaminant in the environment and its concentration inside the breathing apparatus. An important distinction concerns the nominal protection factor (NPF) and the assigned protection factor (APF). The nominal protection factor (NPF) is a number derived from the maximum percentage of total loss (towards the inside of the breathing apparatus) allowed by European standards. The assigned protection factor (APF) is the level of respiratory protection that one can realistically expect in the workplace by 95% of the PPE users. Furthermore, an important reference for choosing the breathing apparatus is the Threshold Limit Value (TLV), or rather the "exposure limit value", which indicates the environmental concentrations of airborne chemicals below which most workers can remain repeatedly exposed to day after day for their working life without any negative effect on their health.

FILTERING FACEPIECES			HALF MASK WITH FILTERS			FULL FACE MASK WITH FILTERS		
CLASS	NPF	MAX CONC.	FILTER CLASS	NPF	MAX CONC.	FILTER CLASS	NPF	MAX CONC.
FFP1	4	4xTLV	P1	4	4xTLV	P1	5	5xTLV
FFP2	12	12xTLV	P2	12	12xTLV	P2	16	16xTLV
FFP3	50	50xTLV	P3	48	48xTLV	P3	1000	100xTLV

\*TLV: time-weighted average concentration of a substance to which the operator can be exposed without adverse health effects.



**RAZRED ZAŠTITE za plinove i pare - BLS 4000 SERIES,BLS SGE46,BLS 8000 SERIES,BLS 5000 SERIES,BLS 3000 SERIES**

Da biste odabrali pravu zaštitu protiv plinova i para, morate poznavati kemijsku prirodu zagađivača. Tablice koje pruža BLS, označavaju vrstu filtra kojeg treba koristiti ovisno o kontaminantu i razini koncentracije, pazeci da je razina kisika veća od 17%. Propisane su tri klase filtera: niska (klasa 1), srednja (klasa 2), visoka (razina 3). Za zaštitu od plinova i para,utvrđuje se nominalni faktor zaštite po vrsti maske.

To select the right protection against gases and vapours, the chemical nature of the pollutant must be known referring, if necessary, to the tables provided by BLS, which indicate the type of filter touse depending on the contaminant and itsconcentration, making sure that the level of oxygen is greater than 17%. Regulations provide three filter capacity classes: low (class 1), medium (class 2),high (class 3). For protection against gases and vapours,the nominal protection factor is determined by the type of mask and not by the filter used.

Europska norma 14387: 2004 + A1: 2008 definira zaštitu od plinova i pare prema sljedećoj tablici:

TYPE	COLOUR	PROTECTION
A	BROWN	Organic gases and vapours with a boiling point higher than 65°C Organski plinovi i pare s vrelištem iznad 65 ° C
B	GREY	Inorganic gases and vapours / Anorganski plinovi i para
E	YELLOW	Acid gases / Kiseli plinovi
K	GREEN	Ammonia and derivatives / Amonijak i derivati
AX	BROWN	Organic gases and vapours with a boiling point lower than 65°C Organski plinovi i pare s vrelištem nižim od 65 ° C

The European Standard 14387:2004+A1:2008 defines protection against gases and vapours according to the following table:

CLASS	1	2	3
CAPACITY	LOW	MEDIUM	HIGH
EXPOBURE LIMIT	1000 ppm	5000 ppm	10000 ppm

	HALF MASK		FULL FACE MASK	
	NPF	MASK CONCENTRATION	NPF	MASK CONCENTRATION
GAS	50	50xTLV	2000	2000xTLV
GAS P3	48	48xTLV	1000	1000xTLV

\*TLV: time-weighted average concentration of a substance to which the operator can be exposed without adverse health effects.



# FEEL FREE TO BREATHE

BLS **Respirator FFP3 ZERO s ventilom**

**Opis:** respirator FFP3 NR D s ventilom u obliku školjke;  
**Karakteristike:** anatomski oblikovan respirator Zer0 serije pruža maksimalnu zaštitu i udobnost disanja;  
**Brtvilo:** djelomično (gornji dio respiratora) sastav polimer i poliestar (PES);  
**Vežica:** vareni termoplastični elastomer (TPE);  
**Kvačica za nos:** polipropilen (PP);  
**Ventil:** polipropilen i guma;  
**Sloj za filtriranje:** polipropilen;  
**Zaštitni sloj:** poletilen;  
**Težina:** 21 gram;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/120

**Description:** respirator FFP3 NR D with shell seal;  
**Characteristics:** anatomically designed respirator Zer0 series provides maximum protection and comfort of breathing;  
**Gasket:** partial (upper respirator) composition of polymer and polyester (PES);  
**Harness:** Thermoplastic elastomer (TPE);  
**Nose clip:** polypropylene (PP);  
**Valve:** polypropylene and rubber;  
**Filtering medium:** polypropylene;  
**Protective layer:** polyethylene;  
**Weight:** 21 grams;  
**Standard:** EN 149:2001 + A1:2009;  
**Original packing:** 10/120

CE EN 149:2001 + A1:2009



BLS 030



BLS **Respirator FFP3 ZERO s ventilom (s ugljikom)**

**Opis:** Opis: respirator FFP3 NR D s ventilom u obliku školjke (s ugljikom);  
**Karakteristike:** anatomski oblikovan respirator Zer0 serije pruža maksimalnu zaštitu i udobnost disanja;  
**Brtvilo:** djelomično (gornji dio respiratora) sastav: polimer i poliestar (PES);  
**Vežica:** vareni termoplastični elastomer (TPE);  
**Kvačica za nos:** polipropilen (PP);  
**Ventil:** polipropilen i guma;  
**Sredstvo za filtriranje:** polipropilen;  
**Zaštitni sloj:** poletilen;  
**Sloj sa aktivnim ugljikom:** poliestar;  
**Težina:** 16 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/120

**Description:** respirator FFP3 NR D cup shaped (with carbon);  
**Characteristics:** anatomic disposable respirators from BLS Zer0 series offer maximum protection with an outstanding breathing comfort;  
**Gasket:** partial gasket ( upper face only )  
**Material:** polymer and polyester (PES);  
**Harness:** Welded thermoplastic elastomer (TPE);  
**Nose Clip:** Reinforced Polypropylene (PP) with heat treated metal;  
**Valve:** Polypropylene (PP) and rubber ;  
**Filtering medium:** Polypropylene (PP) ;  
**Protective layer:** Polyethylene (PE);  
**Activated carbon layer:** Polyester (PES);  
**Weight:** 16 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 10/120

CE EN 149:2001 + A1:2009



BLS 030 C



BLS **Respirator FFP3 ZERO s ventilom (puno brtvilo)**

**Opis:** respirator FFP3 R D s ventilom u obliku školjke;  
**Karakteristike:** anatomski oblikovan respirator Zer0 serije pruža maksimalnu zaštitu i udobnost disanja;  
**Brtvilo:** puno (cijeli respirator) sastav: polimer i poliestar (PES);  
**Vežica:** vareni termoplastični elastomer (TPE);  
**Kvačica za nos:** polipropilen (PP);  
**Ventil:** polipropilen i guma;  
**Sredstvo za filtriranje:** polipropilen;  
**Zaštitni sloj:** poletilen;  
**Težina:** 20 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/120

**Description:** respirator FFP3 R D cup shaped;  
**Characteristics:** anatomic disposable respirators from BLS Zer0 series offer maximum protection with an outstanding breathing comfort;  
**Gasket:** full gasket ( full face seal ),  
**Material:** Foamed polymer coupled with polyester textile (PES);  
**Harness:** Welded thermoplastic elastomer (TPE);  
**Nose Clip:** Reinforced Polypropylene (PP) with heat treated metal;  
**Valve:** Polypropylene (PP); Rubber;  
**Filtering medium:** Polypropylene (PP) ;  
**Protective layer:** Polyethylene (PE);  
**Weight:** 20 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 10/120

CE EN 149:2001 + A1:2009



BLS 031



BLS **Respirator FFP3 ZERO s ventilom (s ugljikom, puno brtvilo)**

**Opis:** respirator FFP3 R D s ventilom u obliku školjke;  
**Karakteristike:** anatomski oblikovan respirator Zer0 serije pruža maksimalnu zaštitu i udobnost disanja;  
**Brtvilo:** puno (cijeli respirator) sastav: polimer i poliestar (PES);  
**Vežica:** vareni termoplastični elastomer (TPE);  
**Kvačica za nos:** polipropilen (PP);  
**Ventil:** polipropilen i guma;  
**Sredstvo za filtriranje:** polipropilen;  
**Zaštitni sloj:** poletilen;  
**Težina:** 20 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/120

**Description:** respirator FFP3 R D cup shaped;  
**Characteristics:** anatomic disposable respirators from BLS Zer0 series offer maximum protection with an outstanding breathing comfort;  
**Gasket:** full gasket ( full face seal ),  
**Material:** Foamed polymer coupled with polyester textile (PES);  
**Harness:** Welded thermoplastic elastomer (TPE);  
**Nose Clip:** Reinforced Polypropylene (PP) with heat treated metal;  
**Valve:** Polypropylene (PP); Rubber;  
**Filtering medium:** Polypropylene (PP) ;  
**Protective layer:** Polyethylene (PE);  
**Weight:** 20 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 10/120

CE EN 149:2001 + A1:2009



BLS 031 C



BLS **Respirator FFP2 CLASSIC s ventilom**

**Opis:** respirator FFP2 R D s ventilom;  
**Karakteristike:** oblik školjke , elastična vezica pričvršćena u 4 točke;  
Vežica varena za respirator i prilagodljive duljine;  
Prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
**Vežica:** poliestar, guma;  
**Kvačica za nos:** polipropilen (PP) ;  
**Ventil:** polipropilen i guma;  
**Brtvilo:** polimer ;  
**Sloj za filtriranje:** polipropilen;  
**Težina:** 14 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 15/180

**Description:** Description: respirator FFP2 R D with valve;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
Velded harness, adjustable lenght;  
Nose clip ensures best fit to any face;  
**Harness:** polyester, rubber;  
**Nose clip:** polypropilen (PP) ;  
**Valve:** polypropilen and rubber;  
**Gasket:** polymer ;  
**Filtering medium:** polypropilen;  
**Weight:** 14 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 15/180

CE EN 149:2001 + A1:2009



BLS129BW



BLS **Respirator FFP1 CLASSIC s ventilom**

**Opis:** respirator FFP1 NR D s ventilom;  
**Karakteristike:** oblik školjke , elastična vezica pričvršćena u 4 točke;  
Vežica varena za respirator i prilagodljive duljine;  
Prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
**Vežica:** poliestar, guma;  
**Kvačica za nos:** polipropilen (PP) ;  
**Ventil:** polipropilen i guma;  
**Brtvilo:** polimer;  
**Sloj za filtriranje:** polipropilen;  
**Težina:** 14 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 15/180

**Description:** respirator FFP1 NR D with valve;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
Velded harness , adjustable lenght;  
Nose clip ensures best fit to any face;  
**Harness:** polyester, rubber;  
**Nose clip:** polypropilen (PP) ;  
**Valve:** polypropilen and rubber;  
**Gasket:** polymer ;  
**Filtering medium:** polypropilen;  
**Weight:** 14 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 15/180

CE EN 149:2001 + A1:2009



BLS122BW



BLS **Respirator FFP3 CLASSIC s ventilom**

**Opis:** Opis: respirator FFP3 R D s ventilom u obliku školjke;  
**Karakteristike:** anatomski oblikovan respirator pruža maksimalnu zaštitu i udobnost disanja;  
**Brtvilo:** djelomično (gornji dio respiratora) polipropilen (PP);  
**Vežica:** vareni termoplastični elastomer (TPE);  
**Kvačica za nos:** polipropilen (PP);  
**Ventil:** polipropilen i guma;  
**Sloj za filtriranje:** polipropilen;  
**Zaštitni sloj:** za aktivni ugljen poliestar (PES), sloj otporan na plamen od modakrilnih tekstilnih vlakna (MA);  
**Težina:** 24 gr;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 5/60

**Description:** respirator FFP3 R D shell;  
**Characteristics:** anatomically designed respirator provides maximum protection and comfort of breathing;  
**Gasket:** partial (upper respirator) composition of polypropilene (PP);  
**Harness:** Thermoplastic elastomer (TPE);  
**Nose clip:** polypropylene (PP);  
**Valve:** polypropylene and rubber;  
**Filtering medium:** polypropylene;  
**Protective layer:** activated carbon layer from polyester (PES), flame resistant layer of modacrylic textile fibers (MA);  
**Weight:** 24 gr;  
**Standard:** EN 149:2001 + A1:2009 CE  
**Original packing:** 5/60

CE EN 149:2001 + A1:2009



BLS 525B



BLS **Respirator FFP3 CLASSIC s ventilom**

**Opis:** respirator FFP3 R D s ventilom;  
**Karakteristike:** oblik školjke , elastična vezica pričvršćena u 4 točke;  
Vežica varena za respirator i prilagodljive duljine;  
Prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
**Vežica:** poliestar, guma;  
**Kvačica za nos:** polipropilen (PP) ;  
**Ventil:** polipropilen i guma;  
**Brtvilo:** polimer ;  
**Sloj za filtriranje:** polipropilen;  
**Težina:** 14 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/120

**Description:** Description: respirator FFP3 R D with valve;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
Velded harness, adjustable lenght;  
Nose clip ensures best fit to any face;  
**Harness:** polyester, rubber;  
**Nose clip:** polypropilen (PP) ;  
**Valve:** polypropilen and rubber;  
**Gasket:** polymer ;  
**Filtering medium:** polypropilen;  
**Weight:** 14 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 10/120

CE EN 149:2001 + A1:2009



BLS 505BW



BLS **Respirator FFP2 CLASSIC s ventilom**

**Opis:** respirator FFP2 NR D s ventilom (s ugljikom);  
**Karakteristike:** oblik školjke, elastična vezica pričvršćena u 4 točke;  
Vezica klamana za respirator ;  
Prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
**Vezica:** poliester, guma;  
**Kvačica za nos:** polipropilen (PP) ;  
**Ventil:** polipropilen i guma;  
**Brtvilo:** polimer ;  
**Sloj za filtriranje:** polipropilen;  
**Težina:** 21 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/120

**Description:** respirator FFP2 NR D with valve (with activated carbon);  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
Stapled harness;  
Nose clip ensures best fit to any face;  
**Harness:** polyester, rubber;  
**Nose clip:** polypropilen (PP);  
**Valve:** polypropilen and rubber;  
**Gasket:** polymer;  
**Filtering medium:** polypropilen;  
**Weight:** 21 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 10/120

CE EN 149:2001 + A1:2009



BLS217B



BLS **Respirator FFP2 CLASSIC s ventilom**

**Opis:** respirator FFP2 NR D s ventilom  
VATROOTPORAN;  
**Karakteristike:** oblik školjke, elastična vezica pričvršćena u 4 točke;  
Vezica varena za respirator i prilagodljive duljine;  
Prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
**Vezica:** poliester, guma;  
**Kvačica za nos:** polipropilen (PP) ;  
**Ventil:** polipropilen i guma;  
**Brtvilo:** polimer;  
**Sloj za filtriranje:** polipropilen;  
**Težina:** 14 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 5/60

**Description:** respirator FFP2 NR D with valve FLAME RETARDANT;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
Velded harness, adjustable lenght;  
Nose clip ensures best fit to any face;  
**Harness:** polyester, rubber;  
**Nose clip:** polypropilen (PP) ;  
**Valve:** polypropilen and rubber;  
**Gasket:** polymer ;  
**Filtering medium:** polypropilen;  
**Weight:** 14 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 5/60

CE EN 149:2001 + A1:2009



BLS2268RS



BLS **Respirator FFP2 FLICKIT s ventilom**

**Opis:** respirator FFP2 NR D s ventilom;  
**Karakteristike:** sklopivi respirator sa zavarenom TPE (termoplastičnom) vezicom pričvršćenom u 4 točke, unutarnja prilagodljiva kopča za nos za savršeno prijanjanje uz lice i štiti od čvrstih i tekućih čestica;  
**Filter:** polipropilen (PP) ;  
**Kvačica za nos:** Pojačani polipropilen (PP) s toplinski obrađenim metalima;  
**Vezice:** termoplastične ( TPE);  
**Ventil:** polipropilen (PP) i sintetička guma;  
**Težina:** 18 gr;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/160

**Description:** respirator FFP2 NR D with valve;  
**Characteristics:** foldable respirator with welded TPE (thermoplastic) coupling fastened to 4 points, an adjustable nose clip for perfect fit and face protects against solid and liquid particles;  
**Filtering medium:** polypropylene (PP);  
**Nose clip:** Reinforced polypropylene (PP) with heat-treated metals;  
**Harness:** thermoplastic (TPE);  
**Valve:** polypropylene (PP) and synthetic rubber;  
**Weight:** 18 gr;  
**Standard:** EN 149: 2001 + A1: 2009;  
**Original packing:** 10/160

CE EN 149:2001 + A1:2009



BLS 829



BLS **Respirator FFP3 FLICKIT s ventilom**

**Opis:** respirator FFP3 R D s ventilom;  
**Karakteristike:** sklopivi respirator sa zavarenom TPE (termoplastičnom) vezicom pričvršćenom u 4 točke, unutarnja prilagodljiva kopča za nos za savršeno prijanjanje uz lice i štiti od čvrstih i tekućih čestica;  
**Filter:** polipropilen (PP) ;  
**Kvačica za nos:** Pojačani polipropilen (PP) s toplinski obrađenim metalima;  
**Vezice:** termoplastične ( TPE);  
**Ventil:** polipropilen (PP) i sintetička guma;  
**Težina:** 21 gr;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/160

**Description:** respirator FFP3 R D with valve;  
**Characteristics:** foldable respirator with welded TPE (thermoplastic) coupling fastened to 4 points, an adjustable nose clip for perfect fit and face protects against solid and liquid particles;  
**Filtering medium:** polypropylene (PP);  
**Nose clip:** Reinforced polypropylene (PP) with heat-treated metals;  
**Harness:** thermoplastic (TPE);  
**Valve:** polypropylene (PP) and synthetic rubber;  
**Weight:** 21 gr;  
**Standard:** EN 149: 2001 + A1: 2009;  
**Original packing:** 10/160

CE EN 149:2001 + A1:2009



BLS 860



BLS **Respirator FFP1 ECONOMY**

**Opis:** respirator FFP1 NR D bez ventila;  
**Karakteristike:** oblik školjke , elastična vezica pričvršćena u 4 točke;  
Vanjska prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
Štiti od čvrstih i tekućih čestica;  
**Filter:** polipropilen;  
**Kvačica za nos:** plastika;  
**Vezice:** sintetička guma;  
**Težina:** 9 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 20/180

**Description:** respirator FFP1 NR D without valve;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
External nose clip ensures best fit to any face;  
Protects against solid and liquid particles;  
**Filter:** polypropylene;  
**Nosepiece:** reinforced plastic;  
**Rubber bands:** synthetic rubber;  
**Weight:** 9 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 20/180

CE EN 149:2001 + A1:2009



BLS 101



BLS **Respirator FFP2 ECONOMY s ventilom**

**Opis:** respirator FFP2 NR D s ventilom;  
**Karakteristike:** oblik školjke , elastična vezica pričvršćena u 4 točke;  
Vanjska prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
Štiti od čvrstih i tekućih čestica;  
**Filter:** polipropilen;  
**Kvačica za nos:** plastika;  
**Vezice:** sintetička guma;  
**Ventil:** polipropilen i sintetička guma;  
**Težina:** 9 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 20/180

**Description:** respirator FFP2 NR D with valve;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
External nose clip ensures best fit to any face;  
Protects against solid and liquid particles;  
**Filter:** polypropylene;  
**Nosepiece:** reinforced plastic;  
**Rubber bands:** synthetic rubber;  
**Valve :** polypropilen and synthetic rubber;  
**Weight:** 9 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 20/180

CE EN 149:2001 + A1:2009



BLS 102V



BLS **Respirator FFP3 ECONOMY s ventilom**

**Opis:** respirator FFP3 NR D s ventilom;  
**Karakteristike:** oblik školjke , elastična vezica pričvršćena u 4 točke;  
Vanjska prilagodljiva kopča za nos za savršeno prijanjanje uz lice;  
Štiti od čvrstih i tekućih čestica;  
**Filter:** polipropilen;  
**Kvačica za nos:** plastika;  
**Vezice:** sintetička guma;  
**Ventil:** polipropilen i sintetička guma;  
**Težina:** 9 grama;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 10/90

**Description:** respirator FFP3 NR D with valve;  
**Characteristics:** cup shape, elastic harness attached in 4 points;  
External nose clip ensures best fit to any face;Protects against solid and liquid particles;  
**Filter:** polypropylene;  
**Nosepiece:** reinforced plastic;  
**Rubber bands:** synthetic rubber;  
**Valve :** polypropilen and synthetic rubber;  
**Weight:** 9 grams;  
**Standard:** EN 149:2001+A1:2009;  
**Original packing:** 10/90

CE EN 149:2001 + A1:2009



BLS 103V



SUPAIR

**RESPIRATOR SKLOPIVI FFP1 SL**  
**Filter od elektrostatičnog polipropilena**  
Podloga, unutarnji i vanjski sloj SMS polipropilen  
Pritezanje pomoću prirodne gume  
**Kučiče za nos:** polietilen s željeznom žicom  
**Težina:** 11 g  
**Originalno pakiranje:** 20/240

**Respirator FFP1 sklopivi**

**FLAT FOLD MASK FFP1 SL**  
**Filter Media in Melt-Blown electrostatic polypropylene**  
Support, outer and inner layers in polypropylene SMS  
Tightening elastic in natural rubber  
Nose piece : polyethylene encapsulated iron wire  
**Weight:** 11 g  
**Original packaging:** 20/240

CE EN 149:2001+A1:2009




**SUPAIR** **Respirator FFP 1 s ventilom (sklopivi)** **23105**

**RESPIRATOR SKLOPIVI FFP1 SL**  
**S dišnim ventilom**  
Filter od elektrostatičnog polipropilena  
Podloga, unutarnji i vanjski sloj SMS polipropilen  
Pritezanje pomoću vrpce od prirodne gume  
**Kučiče za nos:** polietilen sa željeznom žicom  
**Težina:** 17 g  
**Originalno pakiranje:** 20/240

**FLAT FOLD MASK FFP1 SL**  
**With respiratory valve**  
Filter Media in Melt-Blown electrostatic polypropylene  
Support, outer and inner layers in polypropylene SMS  
Tightening elastic in natural rubber  
**Nose piece:** polyethylene encapsulated iron wire  
**Weight:** 17g  
**Original packaging:** 20/240

**RETAIL MALOPRODAJA**




CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP 1 s ventilom** **23106**

**RESPIRATOR ŠKOLJKA FFP1 SL**  
**S dišnim ventilom**  
Filter od elektrostatičnog polipropilena  
Podloga, vanjski sloj SMS polipropilen  
Podloga; unutarnji dio od poliesterskog vlakna  
Pritezanje pomoću vrpce od sintetičke gume bez lateksa  
Aluminijsko ojačanje nosnice  
**Kučiče za nos:** polietilen  
**Težina:** 8 g  
**Originalno pakiranje:** 10/240

**SHELL MASK FFP1 SL**  
**With respiratory valve**  
Filter Media in Melt-Blown electrostatic polypropylene  
Outer layer in polypropylene SMS  
Inner layer in polyester  
Tightening synthetic latex-free rubber elastic  
Aluminium pince-nez  
Nose cushion in polyethylene foam  
**Weight:** 8 g  
**Original packaging:** 10/240

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP1** **23101**

**RESPIRATOR ŠKOLJKA FFP1 SL**  
**Filter od elektrostatičnog polipropilena**  
Vanjski sloj SMS polipropilen  
Unutarnji dio od poliesterskog vlakna  
Pritezanje pomoću vrpce od sintetičke gume bez lateksa  
Aluminijsko ojačanje nosnice  
Kučiče za nos: polietilen  
**Težina:** 8 g  
**Originalno pakiranje:** 20/240

**SHELL MASK FFP1 SL**  
**Filter Media in Melt-Blown electrostatic polypropylene**  
Outer layer in polypropylene SMS  
Inner layer in polyester  
Tightening synthetic latex-free rubber elastic  
Aluminium pince-nez  
Nose cushion in polyethylene foam  
**Weight:** 8 g  
**Original packaging:** 20/240

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP 2 s ventilom sklopivi** **23205**

**RESPIRATOR SKLOPIVI FFP2 SL**  
**S dišnim ventilom**  
Filter od elektrostatičnog polipropilena  
Podloga, vanjski i unutarnji sloj SMS polipropilen  
Pritezanje pomoću vrpce od prirodne gume  
**Kučiče za nos:** polietilen s željeznom žicom  
**Težina:** 17 g  
**Originalno pakiranje:** 20/240

**FLAT FOLD MASK FFP2 SL**  
**With valve**  
Filter Media in Melt-Blown electrostatic polypropylene  
Support, outer and inner layers in polypropylene SMS  
Tightening elastic in natural rubber  
**Nose piece:** polyethylene encapsulated iron wire  
**Weight:** 17 g  
**Packaging:** 240 masks in a transport box  
20 masks in a inner box  
Individual packaging  
**Original packaging:** 20/240

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP 2** **23201**

**RESPIRATOR ŠKOLJKA FFP2 SL**  
**Filter od elektrostatičnog polipropilena**  
Podloga, vanjski i unutarnji sloj SMS polipropilen  
Pritezanje pomoću sintetičke gume bez lateksa  
**Kučiče za nos:** polietilen s aluminijskom žicom  
**Težina:** 9 g  
**Originalno pakiranje:** 20/240

**SHELL MASK FFP2 SL**  
**Filter Media in Melt-Blown electrostatic polypropylene**  
Outer and inner layers in polypropylene SMS  
Synthetic latex-free rubber elastic  
Aluminium pince-nez  
Nose cushion in polyethylene foam  
**Weight:** 9 g  
**Original packaging:** 20/240

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP 2 s ventilom** **23206**

**RESPIRATOR ŠKOLJKA FFP2 SL**  
**S dišnim ventilom**  
Filter od elektrostatičnog polipropilena  
Podloga, vanjski i unutarnji sloj SMS polipropilen  
Pritezanje pomoću sintetičke gume bez lateksa  
Kučiče za nos: polietilen s aluminijskom žicom  
**Težina:** 14 g  
**Originalno pakiranje:** 10/120

**SHELL MASK FFP2 SL**  
**With valve**  
Filter Media in Melt-Blown electrostatic polypropylene  
Outer and inner layers in polypropylene SMS  
Synthetic latex-free rubber elastic  
Aluminium pince-nez  
Nose cushion in polyethylene foam  
**Weight:** 14 g  
**Original packaging:** 10/120

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP 3 s ventilom sklopivi** **23305**

**RESPIRATOR SKLOPIVI FFP3 SL**  
**Dišni filter**  
Filter od elektrostatičnog polipropilena  
Podloga, vanjski i unutarnji sloj SMS polipropilen  
Pritezanje pomoću prirodne gume  
Kučiče za nos: polietilen s željeznom žicom  
**Težina:** 19 g  
**Originalno pakiranje:** 20/240

**FLAT FOLD MASK FFP3 SL**  
**With valve**  
Filter Media in Melt-Blown electrostatic polypropylene  
Outer, inner and support layers in polypropylene SMS  
Pince-nez in polyethylene encapsulated iron wire nose piece  
Natural rubber elastic  
**Weight:** 19 g  
**Original packaging:** 20/240

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

**SUPAIR** **Respirator FFP 3 sa ventilom** **23306**

**RESPIRATOR ŠKOLJKA FFP3 SL**  
**Dišni filter**  
Filter od elektrostatičnog polipropilena  
Vanjski sloj SMS polipropilen  
Unutarnji sloj poliester  
Pritezanje pomoću gume, prilagodivo  
Kučiče za nos: polietilen s aluminijskom žicom  
**Težina:** 32 g  
**Originalno pakiranje:** 5/60

**SHELL MASK FFP3 SL**  
**With valve**  
Filter Media in Melt-Blown electrostatic polypropylene  
Outer layers in polypropylene SMS  
Inner layer in polyester  
Aluminium nose piece pince-nez  
Braided elastic band with adjustable loops  
Face joint in polyethylene foam  
**Weight:** 32 g  
**Original packaging:** 5/60

**RETAIL MALOPRODAJA**



CE EN 149:2001+A1:2009

BLS Polumaska od termoplastike za dva filtera

BLS 4000R / S-M / M-L

**Opis:** višekratna polumaska s dva filtera i dvije točke kopčanja;  
**Brtvilo:** termoplastični elastomer (TPE);  
**Kućište:** polipropilen (PE)  
**Sigurnosno kopčanje:** Poliester (PES) i guma;  
**Ventil:** Silikonski;  
**Težina:** 124 gr;  
**Veličina:** S-M / M-L;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 1/8

**Description:** multiple repeat with two filters and two clamping points;  
**Face Seal:** thermoplastic elastomer (TPE);  
**Head piece:** polypropylene (PE)  
**Safety lock:** harness made from Polyester (PES) and Rubber;  
**Valve:** Silicone;  
**Weight:** 124 gr;  
**Size:** S-M / M-L;  
**Standard:** EN 149: 2001 + A1: 2009  
**Original packing:** 1/8

TOP QUALITY

NOVO NEW  
EUROPE



CE EN 149:2001 + A1:2009



BLS Polumaska od silikona za dva filtera

BLS 4000S / S-M / M-L

**Opis:** višekratna polumaska s dva filtera i dvije točke kopčanja;  
**Brtvilo:** silikon;  
**Kućište:** polipropilen (PE)  
**Sigurnosno kopčanje:** Poliester (PES) i guma;  
**Ventil:** Silikonski;  
**Težina:** 124 gr;  
**Veličina:** S-M / M-L;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 1/8

**Description:** multiple repeat with two filters and two clamping points;  
**Face Seal:** silicone;  
**Head piece:** polypropylene (PE)  
**Safety lock:** harness made from Polyester (PES) and Rubber;  
**Valve:** Silicone;  
**Weight:** 124 gr;  
**Size:** S-M / M-L;  
**Standard:** EN 149: 2001 + A1: 2009  
**Original packing:** 1/8

TOP QUALITY

NOVO NEW  
EUROPE



CE EN 149:2001 + A1:2009



BLS Komplet polumaska s filterima ( 4000S-S/M + 301 + 211 )

BLS 4100

**Opis:** polumaska sa dva filtera A2 i predfilterima P2 NR, komplet za upotrebu odmah;  
**Materijal:** nosni dio: od silikona i termoplastičnog elastomera, držači filtera od poliamida, ostali dijelovi polumaske su od polipropilena;  
**Svojstva:** ergonomski dijelovi sastoje se od naslona za glavu koji je prilagodljiv za korisnika;  
**Polumaska:** obuhvaća frontalni izdisajni ventil i dva bočna udisajna ventila koji su opremljeni sa specijalnom bajonet vezom;  
**Težina:** 126 g;  
**Norma:** EN 140, EN 14387;  
**Originalno pakiranje:** 1/8

**Description:** half a mask with two filter and  
**Material:** part of nose: from silicone and thermoplastic elastomer, holding for filter from polyamide, other parts halfmask from polypropylene;  
**Properties:** an ergonomic harness with our couplings, provided with an head rest adaptable by the user connected to a supporting rigid part;  
**Half a mask:** ergonomic parts;  
**Weight:** 126 g;  
**Standard:** EN 140, EN 14387;  
**Original packing:** 1/8

TOP QUALITY

NOVO NEW  
EUROPE

RETAIL  
MALOPRODAJA



CE EN 149:2001 + A1:2009



BLS Polumaska od silikona za jedan filter

BLSSGE46

**Opis:** višekratna polumaska s jednim filterom;  
**Brtvilo:** silikonska guma sa direktno spojenim vezicama od poliestera i obložene gume;  
**Veličina:** univerzalna, ergonomski prilagodljiva za svakog korisnika;  
**Navoj:** standardni navoj od polyamida ( PA ), (EN 148-1);  
**Ventil:** dva izdisajna ventila, kompatibilni svi ventili serije 400;  
**Težina:** 150 gr;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 1/1

**Description:** reusable half mask with one filter;  
**Face piece:** silicone rubber with direct couplings made of polyester and coated rubber;  
**Size:** universal, ergonomically adjustable for each user;  
**Valve connection:** Standard polyamide thread (PA), (EN 148-1);  
**Valve:** two exhalation valves, all 400 series valves are compatible;  
**Weight:** 150 gr;  
**Standard:** EN 149: 2001 + A1: 2009;  
**Original packing:** 1/1

TOP QUALITY

EUROPE



CE EN 149:2001 + A1:2009



BLS Maska od termoplastike za dva filtera

BLS5600

**Opis:** puna višekratna maska s dva filtera i bayonet povezivanjem ;  
**Brtvilo:** termoplastični elastomer (TPE);  
**Navoj:** bayonet povezivanjem ;  
**Vizir:** panoramski vizir klase 1 (EN 166) od polikarbonata (PC) + vitrifikacije sa zaštitom od ogrebotina i zamagljivanja;  
**Ventil:** kompatibilni svi ventili serije 200;  
**Unutrašnjost:** unutarnja usno - nosna silikonska guma;  
**Težina:** 570 gr;  
**Standard:** EN 136;  
**Originalno pakiranje:** 1/4

**Description:** reusable full face mask with two filters;  
**Face seal:** thermoplastic elastomer (TPE);  
**Conection:** bayonet conection with a locking feedback allowing the user to know if the filter has been properly placed.;  
**Visor:** panoramic visor of class 1 (EN 166) polycarbonate (PC) + vitrification with antiscratching and anti-fog protection;  
**Valve:** Compatible with all Series 200 valves;  
**Inside:** inner lip-nose silicone rubber;  
**Weight:** 570 gr;  
**Standard:** EN 136;  
**Original packing:** 1/4

NOVO NEW  
TOP QUALITY

EUROPE



CE EN 149:2001 + A1:2009

BLS Maska od silikona za dva filtera

BLS5700

**Opis:** puna višekratna maska s dva filtera i bayonet povezivanjem ;  
**Brtvilo:** silikon;  
**Navoj:** bayonet povezivanjem ;  
**Vizir:** panoramski vizir klase 1 (EN 166) od polikarbonata (PC) + vitrifikacije sa zaštitom od ogrebotina i zamagljivanja;  
**Ventil:** kompatibilni svi ventili serije 200;  
**Unutrašnjost:** unutarnja usno - nosna silikonska guma;  
**Težina:** 580 gr;  
**Standard:** EN 136;  
**Originalno pakiranje:** 1/4

**Description:** reusable full face mask with two filters;  
**Face seal:** silicone;  
**Conection:** bayonet conection with a locking feedback allowing the user to know if the filter has been properly placed.;  
**Visor:** panoramic visor of class 1 (EN 166) polycarbonate (PC) + vitrification with antiscratching and anti-fog protection;  
**Valve:** Compatible with all Series 200 valves;  
**Inside:** inner lip-nose silicone rubber;  
**Weight:** 580 gr;  
**Standard:** EN 136;  
**Original packing:** 1/4

NOVO NEW  
TOP QUALITY

EUROPE



CE EN 149:2001 + A1:2009

BLS Maska od termoplastike za jedan filter

BLS5150

**Opis:** puna višekratna maska s jednim filterom, fiksirana sa 6 quick release EPDM točaka;  
**Brtvilo:** termoplastični elastomer (TPE);  
**Navoj:** standardni navoj od polyamida ( PA ), (EN 148-1);  
**Vizir:** panoramski vizir klase 1 (EN 166) od polikarbonata (PC) + vitrifikacije sa zaštitom od ogrebotina i zamagljivanja;  
**Ventil:** kompatibilni svi ventili serije 400;  
**Unutrašnjost:** unutarnja usno - nosna silikonska guma;  
**Težina:** 530 gr;  
**Standard:** EN 136;  
**Originalno pakiranje:** 1/4

**Description:** reusable full face mask with one filter, fixed with 6 quick release EPDM dots;

**Face seal:** thermoplastic elastomer (TPE);  
**Conection:** Standard polyamide conection (PA), (EN 148-1);  
**Visor:** panoramic visor of class 1 (EN 166) polycarbonate (PC) + vitrification with antiscratching and anti-fog protection;  
**Valve:** Compatible with all Series 400 valves;  
**Inside:** inner lip-nose silicone rubber;  
**Weight:** 530 gr;  
**Standard:** EN 136;  
**Original packing:** 1/4

TOP QUALITY

EUROPE



CE EN 149:2001 + A1:2009

BLS **Maska od silikona za jedan filter**

BLS5400

**Opis:** puna višekratna maska s jednim filterom, fiksirana sa 6 quick release EPDM točaka;  
**Brtvilo:** silikon;  
**Navoj:** standardni navoj od polyamida ( PA), (EN 148-1);  
**Vizir:** panoramski vizir klase 1 (EN 166) od polikarbonata (PC) + vitrifikacije sa zaštitom od ogrebotina i zamagljivanja;  
**Ventil:** kompatibilni svi ventili serije 400;  
**Unutrašnjost:** unutarnja usno-nosna silikonska guma;  
**Težina:** 540 gr;  
**Standard:** EN 136;  
**Originalno pakiranje:** 1/4

**Description:** reusable full face mask with one filter, fixed with 6 quick release EPDM dots;  
**Face seal:** silicon;  
**Conection:** Standard polyamide conection (PA), (EN 148-1);  
**Visor:** panoramic visor of class 1 (EN 166) polycarbonate (PC) + vitrification with antiscratching and anti-fog protection;  
**Valve:** Compatible with all Series 400 valves;  
**Inside:** inner lip-nose silicone rubber;  
**Weight:** 540 gr;  
**Standard:** EN 136;  
**Original packing:** 1/4



KOMBATIBILNA SA FILTERIMA SERIJE 400



CE EN 149:2001 + A1:2009

BLS **Maska od termoplastike za jedan filter**

BLS3150

**Opis:** puna višekratna maska s jednim filterom ;  
**Brtvilo:** sintetička guma (EPDM);  
**Navoj:** standardni navoj od polyamida ( PA), (EN 148-1);  
**Vizir:** polikarbonatno sigurnosno staklo protiv zamagljivanja laminirano s EVA antifragmentacijom što daje snažnu otpornost na kemikalije i puknuće;  
**Držač filtera:** akrilonitril butadien stiren (ABS);  
**Ventil:** kompatibilni svi ventili iz serije 400;  
**Težina:** 510 gr;  
**Standard:** EN 136;  
**Originalno pakiranje:** 1/4

**Description:** full reusablemask with one filter;  
**Face seal:** synthetic rubber (EPDM);  
**Conection:** Standard polyamide conection (PA), (EN 148-1);  
**Visor:** polycarbonate anti-fogging glass laminated with EVA antifragmentation which gives strong resistance to chemicals and breaks;  
**Filter holder:** acrylonitrile butadiene styrene (ABS);  
**Valve:** Compatible with all 400 Series Valves;  
**Weight:** 510 gr;  
**Standard:** EN 136;  
**Original packing:** 1/4



KOMBATIBILNA SA FILTERIMA SERIJE 400



CE EN 149:2001 + A1:2009

BLS **Polumaska od termoplastike sa dva filtera (A2P2R D)**

BLS8100

**Opis:** višekratna polumaska s dva filtera (A2P2R D);  
**Brtvilo:** termoplastični elastomer (TPE);  
**Sigurnosno kopčanje:** Polyester (PES) and Rubber;  
**Ventil:** Silikonski;  
**Kućište:** Polypropylene (PP) + Acrylonitrile Butadiene Styrene (ABS);  
Objašnjenje razine zaštite:  
• A = Organski plinovi i isparavanja  
• P = Čestice prašine  
• R = Za višestruku uporabu;  
**Težina:** 324 gr;  
**Standard:** EN 149:2001+A1:2009;  
**Originalno pakiranje:** 1/10

**Description:** reusable half mask with two filters (A2P2R D);  
**Face Seal:** thermoplastic elastomer (TPE);  
**Safety harness:** Polyester (PES) and Rubber;  
**Exhalation valve:** Silicone;  
**Canister:** Polypropylene (PP) + Acrylonitrile Butadiene Styrene (ABS);  
**Level marking:**  
• A = Organic gases and vapours  
• P = Dusts  
• R = Reusable;  
**Weight:** 324 gr;  
**Standard:** EN 149: 2001 + A1: 2009;  
**Original packing:** 1/10



CE EN 149:2001 + A1:2009

BLS **Zaštitna folija za masku**

BLS K16 / BLS K 19

**Opis:** Zaštitni film ( folija ) u acetatu za masku za lice  
**Primjena:** kod industrijskog bojanja i u prisutnost kemijskih prskanja, dodatno štiti vizir i produžuje vijek trajanja vizira;  
**Originalno pakiranje:** 1/1

**Description:** Protective film (foil) in face mask acetate  
**Application:** In industrial dyeing and in the presence of chemical sprays, further protects the visor and prolongs the lifespan of visions;  
**Original packing:** 1/1



\* BLSK16 - folija za masku serije 3000  
\* BLSK19 - folija za masku za lice serije 5000

\* BLSK16 - mask series 3000 series  
\* BLSK19 - face mask 5000 series



CE EN 149:2001 + A1:2009

BLS **Filteri serije 200 i 201**

**KOMPATIBILNI SA:**  
\*POLUMASKAMA SERIJE 4000 - BLS4000R, BLS4000 S  
\* MASKAMA SERIJE 5000 - BLS5600, BLS5700

**COMPATIBLE WITH:**  
\* HALF MASK SERIES 4000 - BLS4000R, BLS4000 S  
\* FULL FACE MASK SERIES 5000 - BLS5600, BLS5700



CE EN 143:2000/A1:2006,  
EN 14387:2004 + A1:2008;

ŠIFRA / CODE	NAZIV ARTIKLA / ARTICLE NAME	ZAŠTITA / PROTECTION	BOJA FILTERA / COLOR
BLS202	Filter P3 R	Prašina / Dust	○
BLS211	Filter A2	Organski plinovi i para, klasa 2/ Organic gases and vapours, class	●
BLS212	Filter AX	Organski plinovi i para s vrelištem nižom od 65 ° C/ Organic gases and vapours with a boiling point lower than 65 ° C	●
BLS214	Filter ABEK 1	Organski, anorganski i kiseli plinovi, para, amonijak i derivati, klasa 1 i formaldehid/ Organic, inorganic and acid gases, vapours, ammonia and derivatives, class 1 and formaldehyde	●●●●
BLS221	Filter A2P3 R	Organski plinovi i para, klasa 2 i prašina/ Organic gases and vapours, class 2 and dust	○●
BLS222	Filter ABEK1P3 R	"Organski, anorganski i kiseli plinovi i para i amonijak i derivati, klasa 1, prašine i formaldehida/ Organic, inorganic and acid gases and vapours and ammonia and derivatives, class 1, dust and formaldehyde"	●●●●○
BLS243	Filter ABEK2	Organski, anorganski i kiseli plinovi, para, amonijak i derivati, klasa 2 i formaldehid/ Organic, inorganic and acid gases, vapours, ammonia and derivatives, class 2 and formaldehyde	●●●●
BLS251	Filter A2P3 R	Organski plinovi i para, klasa 2 i prašina/ Organic gases and vapours, class 2 and dust	○●
BLS254	Filter ABEK2P3 R	"Organski, anorganski i kiseli plinovi i para i amonijak i derivati, klasa 2, prašine i formaldehida/ Organic, inorganic and acid gases and vapours and ammonia and derivatives, class 2, dust and formaldehyde"	●●●●○

BLS **Predfilteri serije 201 i 301**

**KOMPATIBILNI SA:**  
\*POLUMASKAMA SERIJE 4000 - BLS4000R, BLS4000 S  
\* MASKAMA SERIJE 5000 - BLS5600, BLS5700

**COMPATIBLE WITH:**  
\* HALF MASK SERIES 4000 - BLS4000R, BLS4000 S  
\* FULL FACE MASK SERIES 5000 - BLS5600, BLS5700



CE EN 143:2000/A1:2006,  
EN 14387:2004 + A1:2008;

ŠIFRA / CODE	NAZIV ARTIKLA / ARTICLE NAME	ZAŠTITA / PROTECTION	BOJA FILTERA / COLOR
BLS301	Filter P2 R	Prefiltera za prašinu montiran na 211, 213, 214, 241, 243, 244/Dust prefilter mounted on 211, 213, 214, 241, 243, 244	○
BLS201-3	Filter P3 R	Prašina / Dust	○



BLS

## Filteri serije 400

KOMPATIBILNI SA:

\*POLUMASKOM BLSSGE46  
\* MASKAMA SERIJE 5000 I 3000 - BLS5150,  
BLS5400, BLS5400C, BLS3150, BLS3400

COMPATIBLE SA:

\* HALF MASK BLSSGE46  
\* FULL FACE MASK SERIES 5000 AND  
3000 - BLS5150, BLS5400, BLS5400C,  
BLS3150, BLS3400



CE EN 143:2000/A1:2006,  
EN 14387:2004 + A1:2008;

ŠIFRA/ CODE	NAZIV ARTIKLA/ ARTICLE NAME	ZAŠTITA/ PROTECTION	BOJA FILTERA /COLOR
BLS401	Filter P3 R	Prašina/ Dust	○
BLS411	Filter A2	Organski plinovi i para, klasa 2/ Organic gases and vapours, class 2	●
BLS412	Filter AX	Organski plinovi i para s vrelištem nižom od 65°C/ Organic gases and vapours with a boiling point lower than 65° C	●
BLS413	Filter K2	Amonijak i derivati, klasa 2/ Ammonia and derivatives, class 2	●
BLS414	Filter ABE2	Organski, anorganski i kiseli plinovi i pare, klasa 2/ Organic, inorganic and acid gases and vapours, class 2	● ● ●
BLS415	Filter ABEK2	Organski, anorganski i kiseli plinovi i para i amonijak i derivati, klasa 2/ Organic, inorganic and acid gases and vapours and ammonia and derivatives, class 2	● ● ● ●
BLS421	Filter A2P3 R	Organski plinovi, para, klasa 2 i prašina/ Organic gases, vapours, class 2 and dust	○ ●
BLS422	Filter AXP3 NR	Organski plinovi i para s vrelištem nižom od 65°C i prašina/ Organic gases and vapours with a boiling point lower than 65° C and dust	○ ●
BLS423	Filter ABE2P3 R	Organski, anorganski i kiseli plinovi i para, klasa i prašina/ Organic, inorganic and acid gases and vapours, class 2, and dust	● ● ● ○
BLS424	Filter ABEK1P3 R	Organski, anorganski i kiseli plinovi i para, amonijak klasa 1 i toksična prašina/ Organic, inorganic and acid gases and vapours and ammonia class 1, and toxic dust	● ● ● ● ○
BLS425	Filter ABEK2P3 R	Organski, anorganski i kiseli plinovi i para, amonijak klasa 2 i prašina/ Organic, inorganic and acid gases and vapours and ammonia class, and dust	● ● ● ● ○
BLS430	Filter ABEK2HgP3 R	Organski, anorganski i kiseli plinovi i para i amonijak i derivati, živa, klasa 2 i prašina/ Organic, inorganic and acid gases and vapours and ammonia and derivatives, mercury class 2 and dust	● ● ● ● ○ ●



SUPAIR

## Polumaska za jedan filter

22101

**EUROMASK UNO**  
Plumaska za 1 izmjenjivi filter  
Polikroprenska guma  
Podesive trake  
Zračni ventil  
Težina: 120 g  
Karton sa 16 maski  
**Originalno pakiranje:**  
1/16

**EUROMASK UNO**  
Half-mask for 1 threaded cartridge  
Polychloroprene rubber  
Adjustable straps  
Expiration valve  
Weight : 120 g  
Carton with 16 masks  
**Original packaging:**  
1/16



CE EN 140



SUPAIR

## Polumaska za dva filtera

22102

**FFP2 Polumaska za 2 izmjenjiva filtera**  
Polikroprenska guma  
Podesive trake  
Zračni ventil  
Težina: 140 g  
Karton sa 16 maski  
**Originalno pakiranje:**  
1/16

**MASK FFP2**  
Half-mask for 2 threaded cartridges  
Polychloroprene rubber  
Adjustable straps  
Expiration valve  
Weight : 140 g  
Carton with 16 masks  
**Original packaging:**  
1/16



CE EN 140



BLS

## Filteri za EUROMASK

Filteri za masku EUROMASK UNO i masku EUROMASK DUE  
Filters for EUROMASK UNO and EUROMASK DUE



CE EN 141, EN 143, EN 14387;

ŠIFRA/ CODE	NAZIV ARTIKLA/ ARTICLE NAME	ZAŠTITA/ PROTECTION	BOJA FILTERA/ COLOR
22130	Filter za masku A1P2	Organski plinovi i para, niska razina toksične prašine/ Organic gases and vapours, low-level toxic dust	○ ●
22140	Filter za masku P2	Niska razina toksične prašine/ Low-level toxic dust	○
22150	Filter za masku A1B1E1K1	Organski, anorganski i kiseli plinovi i para i amonijak/ Organic, inorganic and acid gases and vapours and ammonia	● ● ● ●
22160	Filter za masku A1	Organski plinovi i para/ Organic gases and vapours	○
22170	Filter za masku P3	Toksična prašina i čestice/ Against toxic dust and particles	●