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SECURA 3000 REUSABLE HALF MASK RESPIRATOR



» SPECIAL FEATURES

SECURA 3000 respirator, complete with appropriate filtering elements protects against harmful effects of aerosols (dust, fumes, mists), vapors and gases.

SECURA 3000 respirator consists of a body, two inhalation valves with bayonet connectors for filtering elements, an exhalation valve, and a head strap.

SECURA 3000 respirator is made of high-quality materials with a silicone facepiece and a one-piece textile head strap. Thanks to his innovative design and a small number of components, the respirator is easy to use and clean. The new head harness ensures maximum working comfort even in the most difficult conditions and benefit from a convenient and reliable strapping at the back of the head. The bayonet connections provide a quick and secure mounting of filters.

VARIANTS OF USAGE



SECURA 3000 Half Mask Respirator with particulate filters protects against solid and liquid aerosols.



SECURA 3000 Half Mask Respirator with gas filters protects against gases and vapours.



SECURA 3000 Half Mask Respirator with gas and particulate filters protects against gases, vapours and simultaneously occurring dusts, fumes and mists.

SECURA 3100 REUSABLE HALF MASK RESPIRATOR



» SPECIAL FEATURES

SECURA 3100 respirator, complete with appropriate filtering elements protects against harmful effects of aerosols (dust, fumes, mists), vapors and gases.

SECURA 3100 respirator consists of a body, two inhalation valves with bayonet connectors for filtering elements, an exhalation valve, and a head strap.

SECURA 3100 respirator is made of high-quality materials with a silicone facepiece and a one-piece textile head strap. Thanks to his innovative design and a small number of components, the respirator is easy to use and clean. The new head harness ensures maximum working comfort even in the most difficult conditions and benefit from a convenient and reliable strapping at the back of the head. The bayonet connections provide a quick and secure mounting of filters.

VARIANTS OF USAGE



SECURA 3100 Half Mask Respirator with particulate filters protects against solid and liquid aerosols.



SECURA 3100 Half Mask Respirator with gas filters protects against gases and vapours.



SECURA 3100 Half Mask Respirator with gas and particulate filters protects against gases, vapours and simultaneously occurring dusts, fumes and mists.

SECURA 6100 FULL FACE MASK



SPECIAL FEATURES

Made of Silicone

- increased strength of the head harness, face seal and inner mask
- preserved elasticity when exposed to high and low temperatures

Mask housing

- low profile – compatible with protective helmets

Panoramic visor made of polycarbonate

- the field of vision is over 80 %
- mechanical strength

Speech device

- optimal communication, thanks to a specialized membrane that allows normal speech intelligibility
- enables to work with means of communication

Bayonet connection of filters

- fast and reliable one-click filter replacement

Exhalation valve

- has a protective housing
- exhale downwards to avoid effects of airflow on the work surface
- easy cleaning of the exhalation valve disk

The mask comes in three sizes

- easy selection for people with different face sizes and facial features

Low weight – not more than 480 g

Filters compatibility overview:



Protection against aerosols



Protection against gases and vapours



Protection against gases and vapours and aerosols

FULL FACE MASKS



UNIX 5000 Mask



UNIX 5100 Mask



MAG-4 Mask

UNIX 5000 (rubber facepiece) and UNIX 5100 or MAG-4 (silicone facepieces) full face masks complete with suitable filtering devices are designed to protect the respiratory system and face against harmful substances in the form of vapors, gases, dust, fumes, and mists. The masks are available in a single, universal size and are characterized by low breathing resistance and long shelf life.

Mask features:

- Optimal communication, thanks to a specialized membrane that allows normal speech intelligibility.
- Polycarbonate visor that ensures a wide-angle of view.
- Fast and reliable filter mounting using the bayonet connection (UNIX masks) and standardized Rd 40x1/7 EN 148-1:1999 thread (MAG-4 mask).
- Masks components are made of high-strength plastics, rubber, and silicone that are resistant to harmful substances and adverse weather conditions.
- The masks are effective in all climate zones, at an ambient temperature ranging from -40 to +40°C and relative humidity of up to 98%.
- The inner half-mask prevents fogging and reduces carbon dioxide content inside the mask.
- Thanks to the double facepiece seal, the mask can comfortably adapt to users with different facial features.
- Self-tightening buckles on the 5-point head harness make it easy to adjust the mask and securely fasten it to the user's head.

The masks conform to European Standard EN 136:1998+AC:2003 (class 2).

PARTICULATE FILTERS



SECAIR 3000.01 P1 R Particulate Filter protects respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol does not exceed 4 x OEL (Occupational Exposure Limit)
Typical application of P1 class filters: coal mining, stone (granite, marble etc.) and metal machining (cutting, grinding, polishing), soft wood machining, brushing of castings and steel structures, production, handling and application of lime, cement, artificial fertilizers, raw materials for glass and ceramic industry, rubber industry etc.



SECAIR 3000.02 P2 R Particulate Filter protects respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol does not exceed 10 x OEL (Occupational Exposure Limit).
Typical application of P2 class filters: mining of minerals containing free silica, processing of metal ores (iron, copper, zinc, lead), melting and casting metals (excl. zinc and lead), electric welding, machining of aluminum and its alloys, cutting and grinding of hard wood, production of fodder and pharmaceutical products.



SECAIR 3000.03 P3 R Particulate Filter protects respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol does not exceed 30 x OEL (Occupational Exposure Limit).
Typical applications of P3 class filters: metal oxide fumes (zinc, lead, arsenic, vanadium, silver) generated during melting, casting or machining metals (welding, grinding); hard coal mining where uranium or radium compounds are present; tanneries and electroplating plants (chromate dusts and mists); selected pigments (cadmium sulphide); artificial, mineral fibres; asbestos dust; dusts and mists of pharmaceutical products.

GAS FILTERS



3021 A1 Gas Filter protects against organic gases and vapors with a boiling point above 65°, organic solvents e.g. hydrocarbons, alcohols, aldehydes, organic acids, esters, ethers, ketones, styrene with a concentration no higher than 0,1% (**filters class 1**).



3031 A2 Gas Filter protects against organic gases and vapors with a boiling point above 65°, organic solvents e.g. hydrocarbons, alcohols, aldehydes, organic acids, esters, ethers, ketones, styrene with a concentration no higher than 0,5% (**filters class 2**).



3025 ABEK1 Multi-Gas Filter protects against organic and inorganic gases and vapor, against sulphur dioxide and other acid gases and vapours, ammonia and organic ammonia derivatives occurring alone or as mixtures with a concentration no higher than 0,1% (**filters class 1**). Multi-gas filters are recommended when a hazard is not well known.

GAS FILTERS AND COMBINED FILTERS



3034 K2 Gas Filter protects against ammonia and organic ammonia derivatives (amines i.e. methylamine, dimethylamine, and ethylamine) with a concentration no higher than 0,5% (**filters class 2**).



DOTpro 460+ A2B2E2K2 Multi-Gas Filter for use with full face mask MAG-4 protects the respiratory system against organic gases and vapors with a boiling point above 65°C, against inorganic gases and vapors, sulfur dioxide and other acid gases and vapors, it also protects against ammonia and organic ammonia derivatives alone or as mixtures with concentration not higher than 0,5% (**filters class 2**). DOTpro 460 filters are designed for full-face masks with R d 40x1/7” EN 148-1:1999 standard round thread.



DOTpro 320 A2B2E2K2P3 RD Multi-Gas Combined Filter for use with full face mask MAG-4 protects the respiratory system against organic gases and vapors with a boiling point above 65°C, against inorganic gases and vapors, against sulfur dioxide and other acid gases and vapors, it also protects against ammonia and organic ammonia derivatives alone or as mixtures with concentration not higher than 0,5% (**filters class 2**) and aerosols. DOTpro 320 filters are designed for full-face masks with R d 40x1/7” EN 148-1:1999 standard round thread.

METHOD OF FIXING FILTERS WITH GAS FILTERS



CONFIGURATION TABLES OF GAS FILTERS AND FILTERS

Gas filter	Filter	Set of filters
3021 A1	3000.01 P1 R	A1P1*
3021 A1	3000.02 P2 R	A1P2 (3041)
3021 A1	3000.03 P3 R	A1P3 (3051)
3031 A2	3000.01 P1 R	A2P1*
3031 A2	3000.02 P2 R	A2P2 (3061)
3031 A2	3000.03 P3 R	A2P3 (3071)
3025 ABEK1	3000.01 P1 R	ABEK1P1*
3025 ABEK1	3000.02 P2 R	ABEK1P2 (3045)
3025 ABEK1	3000.03 P3 R	ABEK1P3 (3055)

* Kits for self-configuration after purchasing gas filters and filters separately

SECURA 3000 AND 3100 KITS



The **SECURA 3000 LAK** kit protects respiratory tracts against dust, fume and liquid aerosols (mist) as well as vapors and organic gases with boiling point > 65°C. These are the typical agents occurring during e.g. varnishing, painting, laminating, grinding, polishing or pesticide use etc.

SECURA 3000 LAK kit:

- 1 pcs SECURA 3000 half-mask
- 2 pcs 3021 A1 organic gas filters
- 2 pcs SECAIR 3000.02 P2 R particulate filters



The **SECURA 3000 ADR** kit protects the respiratory system against toxic dust, gases and vapors: inorganic, organic acidic, ammonia and organic ammonia derivatives, occurring simultaneously or individually. Especially useful as an equipment for transporting dangerous goods by road.

SECURA 3000 ADR kit:

- 1 pcs SECURA 3000 half-mask
- 2 pcs 3025 ABEK1 multi-gas filters
- 2 pcs SECAIR 3000.02 P2 R particulate filters



The **SECURA 3100 DUST** kit protects respiratory tracts against solid and liquid aerosols (dust, mists and fumes) when concentration of aerosol does not exceed 30 x OEL (Occupational Exposure Limit) – for filters P3 class. These are the typical agents occurring e.g. welding, grinding, cutting and processing wood and metal, machining aluminum and its alloys, processing of feed and pharmaceutical products, powder coating.

SECURA 3100 DUST kit:

- 1 pcs SECURA 3100 half-mask
- 2 pcs SECAIR 3000.03 P3 R particulate filters



The **SECURA 3100 LAK** kit protects respiratory tracts against dust, fume and liquid aerosols (mist) as well as vapors and organic gases with boiling point > 65°C. These are the typical agents occurring during e.g. varnishing, painting, laminating, grinding, polishing or pesticide use etc.

SECURA 3100 LAK kit:

- 1 pcs SECURA 3100 half-mask
- 2 pcs 3021 A1 organic gas filters
- 2 pcs SECAIR 3000.02 P2 R particulate filters



The SECURA 3100 CHEM kit protects respiratory tracts against dust, fume and liquid aerosols (mist) as well as vapors and organic gases with boiling point > 65 °C. These are the typical agents occurring e.g. polishing or pesticide use, fogging, varnishing, painting, laminating, grinding etc.

- SECURA 3100 CHEM kit:
- 1 pcs SECURA 3100 half-mask
 - 2 pcs 3031 A2 organic gas filters
 - 2 pcs SECAIR 3000.03 P3 R particulate filters

SECURA 3000 KITS IN BLISTER PACKS



SECURA 3000 DUST kit in blister packs:

- 1 pcs SECURA 3100 half-mask
- 6 pcs SECAIR 3000.03 P3 R particulate filters



SECURA 3000 LAK kit in blister packs:

- 1 pcs SECURA 3000 half-mask
- 2 pcs 3021 A1 organic gas filters
- 2 pcs SECAIR 3000.02 P2 R particulate filters



SECURA 3000 ADR kit in blister packs:

- 1 pcs SECURA 3000 half-mask
- 2 pcs 3025 ABEK1 multi-gas filters
- 2 pcs SECAIR 3000.02 P2 R particulate filters

NEOSEC 3000 R RESPIRATOR CLASS FFP3



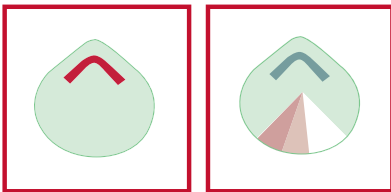
» FUNCTIONAL PARAMETERS OF RESPIRATOR NEOSEC CLASS FFP3

Class according to PN-EN 149+A1:2010 (EN 149+A1:2009)		FFP3
Penetration of filtering material by sodium chloride aerosol or oil mist		≤ 1%
Total leakage		≤ 2%
Initial inhalation resistance at a flow of 95 l/min		≤ 300 Pa
Initial exhalation resistance 160 l/min		≤ 300 Pa
Breathing resistance at the end of clogging test with dolomite dust at a flow of:	95 l/min (inhalation)	≤ 700 Pa
	160 l/min (exhalation)	≤ 300 Pa

» EXAMPLES OF APPLICATION OF RESPIRATOR NEOSEC CLASS FFP3:

High concentrations of respirable dusts, welding and soldering, protection against dusts containing beryllium, antimony, arsenic, cadmium, cobalt, nickel, radium, strychnine, radioactive particles, bacteria and viruses.

» SPECIAL FEATURES



NEOSEC 3000 R respirator class FFP3 is designed to protect respiratory system against harmful effects of dusts, solid and liquid aerosols.

NEOSEC 3000 R respirator class FFP3 functional features:

MAXIMUM COMFORT

- Ergonomically designed to fit any face comfortably and securely
- Headband designed for a secure comfortable fit (no uncomfortable ear-hooks)
- Extended filtration surface for low breath resistance

EASY TO CARRY

- Foldable
- Lightweight
- The flat flexible packaging fit in any pocket.

SAFE

- High-quality filtration material from an EU factory
- Mouldable nose clip for optimal seal and comfort
- The bridged rubber headband is easy to set and secure

R - means that the product is intended for multiple use

Class according to PN-EN 149+A1:2010 (EN 149+A1:2009)

ARIA DISPOSABLE RESPIRATORS CLASS FFP1



» SPECIAL FEATURES

ARIA Respirators class FFP1 are designed to protect respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol does not exceed 4 x OEL (Occupational Exposure Limit).

ARIA Respirators feature very sturdy design and anatomical shape that fits most faces. They are made of the highest quality material to ensure maximum effectiveness with low breathing resistance. Available in many variants.

ARIA RESPIRATORS CLASS FFP1 ARE AVAILABLE IN FOUR TYPES:



» FUNCTIONAL PARAMETERS OF RESPIRATORS ARIA CLASS FFP1

Class according to PN-EN 149+A1:2010 (EN 149+A1:2009)		FFP1
Penetration of filtering material by sodium chloride aerosol or oil mist		≤ 20%
Total leakage		≤ 22%
Initial inhalation resistance at a flow of 95 l/min		≤ 210 Pa
Initial exhalation resistance 160 l/min		≤ 300 Pa
Breathing resistance at the end of clogging test with dolomite dust at a flow of:	95 l/min (inhalation)	≤ 300 Pa
	95 l/min (exhalation)	≤ 300 Pa

» EXAMPLES OF APPLICATION OF RESPIRATORS ARIA CLASS FFP1:

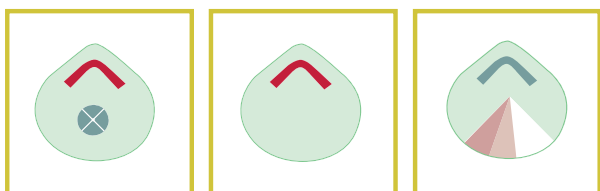
Agriculture, food industry, non-toxic dusts, quarries and cement plants, softwood processing (coniferous) and in particular for dusts like calcium carbonate, natural and synthetic graphite, gypsum, chalk, cement, plaster, marble, zinc oxide, pollen, cellulose, sulphur, cotton, metallic file dust, coal dust, coal dust with free silica content less than 10%.

ARIA 5100 FFP1 NR D RESPIRATOR

DESCRIPTION

ARIA 5100 FFP1 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam.

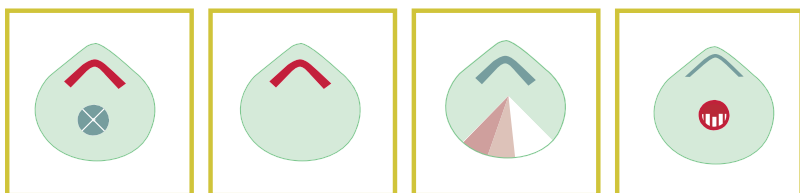


ARIA 5110 FFP1 NR D RESPIRATOR

DESCRIPTION

ARIA 5110 FFP1 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- exhalation valve of plastic.

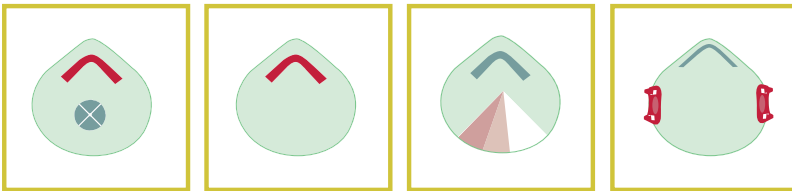


ARIA 5120 FFP1 NR D RESPIRATOR

DESCRIPTION

ARIA 5120 FFP1 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- plastic fastening of head bands.

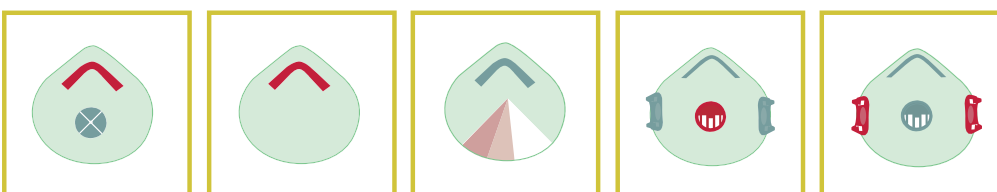


ARIA 5130 FFP1 NR D RESPIRATOR

DESCRIPTION

ARIA 5130 FFP1 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- plastic fastening of head bands;
- exhalation valve of plastic.



ARIA DISPOSABLE RESPIRATORS CLASS FFP2



» SPECIAL FEATURES

ARIA Respirators class FFP2 are designed to protect respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol does not exceed 10 x OEL (Occupational Exposure Limit)

ARIA Respirators feature very sturdy design and anatomical shape that fits most faces. They are made of the highest quality material to ensure maximum effectiveness with low breathing resistance. Available in many variants.

ARIA RESPIRATORS CLASS FFP2 ARE AVAILABLE IN FIVE TYPES:



» FUNCTIONAL PARAMETERS OF RESPIRATORS ARIA CLASS FFP2

Class according to PN-EN 149+A1:2010 (EN 149+A1:2009)		FFP2
Penetration of filtering material by sodium chloride aerosol or oil mist		≤ 6%
Total leakage		≤ 8%
Initial inhalation resistance at a flow of 95 l/min		≤ 240 Pa
Initial exhalation resistance 160 l/min		≤ 300 Pa
Breathing resistance at the end of clogging test with dolomite dust at a flow of:	95 l/min (inhalation)	≤ 400 Pa
	160 l/min (exhalation)	≤ 400 Pa

» EXAMPLES OF APPLICATION OF RESPIRATORS ARIA CLASS FFP2:

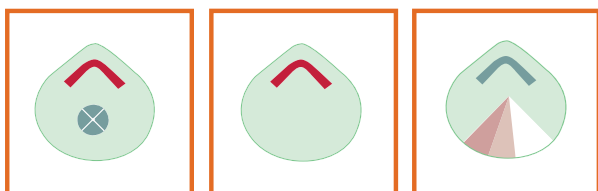
Medium toxic solids, asbestos, copper, barium, titanium, vanadium, chromium, manganese, hardwood, coal dust with free silica content higher than 10%, mining industry, chemical industry, metallurgic industry, welding, soldering, respirable dusts.

ARIA 5200 FFP2 NR D RESPIRATOR

DESCRIPTION

ARIA 5200 FFP2 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam.

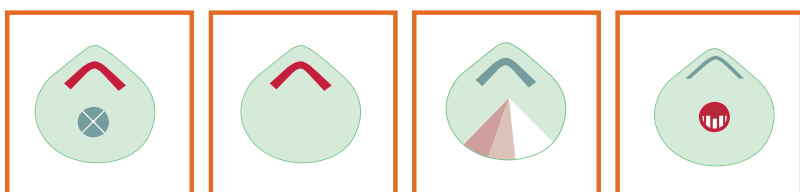


ARIA 5210 FFP2 NR D RESPIRATOR

DESCRIPTION

ARIA 5210 FFP2 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- exhalation valve of plastic.

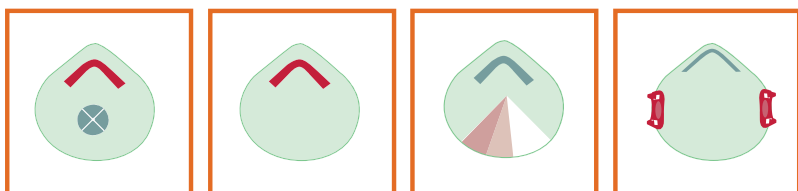


ARIA 5220 FFP2 NR D Respirator

DESCRIPTION

ARIA 5220 FFP2 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- plastic fastening of head bands.

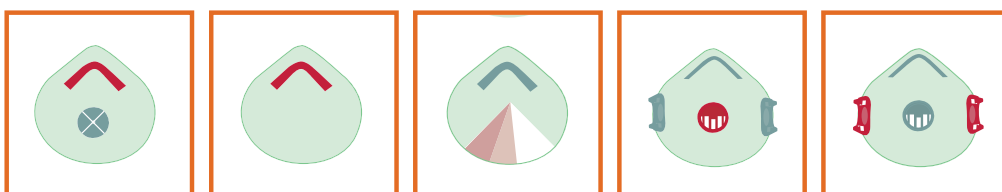


ARIA 5230 FFP2 NR D Respirator

DESCRIPTION

ARIA 5230 FFP2 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- plastic fastening of head bands;
- exhalation valve of plastic.

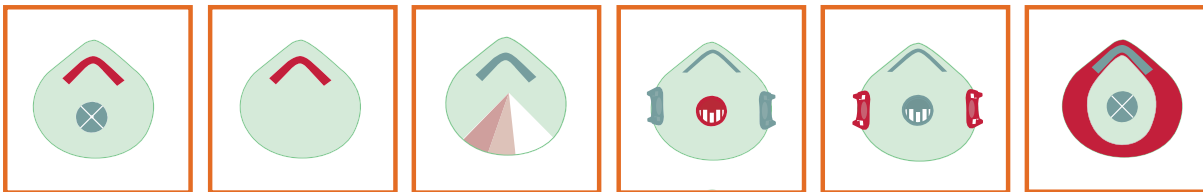


ARIA 5240 FFP2 NR D RESPIRATOR

DESCRIPTION

ARIA 5240 FFP2 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- plastic fastening of head bands;
- exhalation valve of plastic;
- internal insert improving tightness and comfort of use.



ARIA DISPOSABLE RESPIRATORS CLASS FFP3



» SPECIAL FEATURES

ARIA Respirator class FFP3 are designed to protect respiratory system against harmful effect of dusts, solid and liquid aerosols, provided that the concentration of dispersed phase of aerosol does not exceed 30 x OEL (Occupational Exposure Limit)

ARIA Respirators feature very sturdy design and anatomical shape that fits most faces. They are made of the highest quality material to ensure maximum effectiveness with low breathing resistance. Available in many variants.

ARIA RESPIRATOR CLASS FFP3 ARE AVAILABLE IN ONE TYPES:



» FUNCTIONAL PARAMETERS OF RESPIRATORS ARIA CLASS FFP3

Class according to PN-EN 149+A1:2010 (EN 149+A1:2009)		FFP3
Penetration of filtering material by sodium chloride aerosol or oil mist		≤ 1%
Total leakage		≤ 2%
Initial inhalation resistance at a flow of 95 l/min		≤ 300 Pa
Initial exhalation resistance 160 l/min		≤ 300 Pa
Breathing resistance at the end of clogging test with dolomite dust at a flow of:	95 l/min (inhalation)	≤ 700 Pa
	160 l/min (exhalation)	≤ 300 Pa

» EXAMPLES OF APPLICATION OF RESPIRATORS ARIA CLASS FFP3:

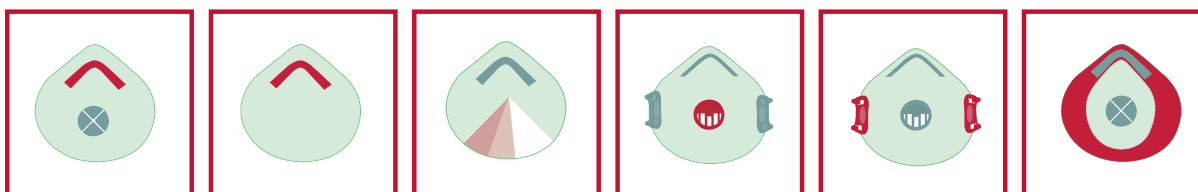
High concentrations of respirable dusts, welding and soldering, protection against dusts containing beryllium, antimony, arsenic, cadmium, cobalt, nickel, radium, strychnine, radioactive particles.

ARIA 5340 FFP3 NR D RESPIRATOR

DESCRIPTION

ARIA 5340 FFP3 NR D Respirator main components:

- multi-layered polypropylene filter;
- nose clip for fitting half mask to face;
- head bands of braided rubber thread;
- nose seal of polyurethane foam;
- exhalation valve of plastic;
- plastic fastening of head bands;
- detachable fastenings of plastic;
- internal insert improving tightness and comfort of use.



ELSEC INSULATING GLOVES



» APPLICATION

ELSEC insulating gloves are designed for electrical applications only as the basic personal protective equipment for working with voltages up to 1 kV or as additional protective measure for voltages exceeding 1 kV.

» MAIN FEATURES

ELSEC electro-insulating gloves have ergonomic shape and are made of high quality natural latex using fully automated production line. Each glove is individually numbered and electrically tested at a computer controlled testing rig. Report of this test is attached to each individual glove package. The ergonomic shape and elasticity of glove makes manual work comfortable and easy even when anti perspiration inner cotton glove and/or protector leather gloves are worn over. Five classes of ELSEC gloves are available fulfilling different voltage test requirements.

ELSEC gloves are category RC gloves according to EN 60903:2003 + AC2:2005 standard and have special properties increasing their resistance to:

R – acid, oil and ozone.

C – resistant to extremely low temperature.

TECHNICAL CHARACTERISTICS OF ELSEC GLOVES

Five sizes available: 8, 9, 10, 11,12 to fit any hand.

The ELSEC gloves have been tested against thermal influence of electric arc according to the requirements described in the standards:

- 1/ PN-EN 61482-1-1: 2009
- 2/ ASTM F2675/F2575M – 13

Technical characteristic of ELSEC gloves according to EN 60903:2003 + AC2:2005

Type		ELSEC 2,5	ELSEC 5	ELSEC 10	ELSEC 20	ELSEC 30
Catalogue number		S5921000	S5922000	S5923000	S5924000	S5925000
Class/Category, acc. to EN 60903:2003 + AC2:2005		00/RC	0/RC	1/RC	2/RC	3/RC
Designation of maximum use voltage	AC [V] rms	500	1000	7 500	17 000	26 500
	DC [V]	750	1500	11 250	25 500	39 750
AC tests	Proof test voltage [kV] rms	2,5	5	10	20	30
	Maximum proof test current [mA] rms, (routine test)	12	12	14	16	18
	Withstand test voltage [kV] rms	5	10	20	30	40
DC tests	Proof test voltage Avg [kV]	4	10	20	30	40
	Withstand test voltage Avg [kV]	8	20	40	60	70
Length [mm]		360	360	360	360	360
Maximum glove thickness, A, H, Z and R category gloves may need to be thicker, but never over 0,6 mm.		0,5 mm	1,0 mm	1,5 mm	2,3 mm	2,9 mm
Average tensile strength not less than		16 MPa	16 MPa	16 MPa	16 MPa	16 MPa
Average elongation at break not less than		600%	600%	600%	600%	600%
Size		8,9,10, 11,12	8,9,10, 11,12	8,9,10, 11,12	8,9,10, 11,12	9,10, 11,12
Cuff		Straight	Straight	Straight	Straight	Straight



ELSEC 2,5 kV INSULATING GLOVES

Class/Category: 00/RC
Catalog number: S5921000
Proof voltage [V]: 2 500
Maximum use voltage:
– A.C. voltage [V]r.m.s.: 500
– D.C. voltage [V]: 750



ELSEC 5 kV INSULATING GLOVES

Class/Category: 0/RC
Catalog number: S5922000
Proof voltage [V]: 5 000
Maximum use voltage:
– A.C. voltage [V]r.m.s.: 1 000
– D.C. voltage [V]: 1 500



ELSEC 10 kV INSULATING GLOVES



Class/Category: 1/RC

Catalog number: S5923000

Proof voltage [V]: 10 000

Maximum use voltage:

– A.C. voltage [V]r.m.s.: 7 500

– D.C. voltage [V]: 12 250



ELSEC 20 kV INSULATING GLOVES



Class/Category: 2/RC

Catalog number: S5924000

Proof voltage [V]: 20 000

Maximum use voltage:

– A.C. voltage [V]r.m.s.: 17 000

– D.C. voltage [V]: 25 500





ELSEC 30 kV INSULATING GLOVES

Class/Category: 3/RC

Catalog number: S5925000

Proof voltage [V]: 30 000

Maximum use voltage:

– A.C. voltage [V]r.m.s.: 26 500

– D.C. voltage [V]: 39 750



»» ACCESORIES FOR INSULATING GLOVES



Leather overgloves

Working on live system may expose insulating gloves to mechanical damage. Commonly used insulating gloves are made of latex, which has relatively low mechanical resistance to puncture and cuts. Hence the need for protective gloves to be worn over electrical insulating gloves.



Cotton inserts

Made of fine cotton, they significantly improve the comfort of working, isolate hands from the ELSEC glove latex, and absorb the sweat well.

With these inserts the hands are dry, and the work is more pleasant and safer. They also facilitate ELSEC gloves' storing, maintaining keeping clean.



Carrying bag

Bag for ELSEC gloves that provides safe storage and transport. Made of polyvinyl chloride coated polyester (not permeable to moisture), it has three pockets for three types of gloves, anti-sweat or warm pads, for ELSEC gloves and leather gloves. Fastened with a press stud, has a snap hook, with which the bag with its content can be freely attached to tool belt, the bag also has a loop, through which the belt can be inserted.

RUBBER INSULATING MAT AND CARPET, CLASS 2



Usage and scope of application:

Rubber insulating mat and carpet is a homogenous floor covering used as the additional electroinsulating protective equipment which improves work safety with the service of electroenergetic installation with the highest voltage to 17 000 V (for alternating tension) and 25 500 V (for direct current).

Produced according with PN-EN 61111:2009

External appearance of the product:

The product has a protruding pattern on the top surface in the form of symmetrically spaced stripes, colour: brown.

Technical parameters:

Dimensions [mm]	Size [mm]
Height of striped	1,5 / ± 0,5
Total thickness *	5,0 / +0,5/-0,2
Width	Carpet 750 , Mat 1100 / ± 3,0
Length at least	Carpet 750 , Mat 2000-8000 / ± 3,0

Electroisolation properties of the mat and carpet , class 2: effective value examining with alternating tension test 20kV

Properties physics – mechanical

It.	Properties	Unit	Requirements
1.	Shore's hardness	°ShA	66 ÷ 75
2.	Tensile strength, min.	MPa	5
3.	Elongation at break min.	%	250
4.	Resistance to tearing, min.	kV/m	20
5.	Resistance to air ageing at 700 C after 168h measuring by resistance to pierce min,	%	80
6.	Resistance to pierce, min.	N	70
7.	Resistance to slip, min	N	50
8.	Resistance to burning, max.	mm	50
9.	Resistance to low temperature (-25 0 C)	-	without cracks, damages
10.	Resistance to sulphur acid measuring by resistance to pierce, min.	%	75
11.	Resistance to oil no 1 measuring by resistance to pierce, min.	%	75

SECOL



Hydrophilic gel protecting against organic substances SECOL is thinner than skin and protects like a glove.

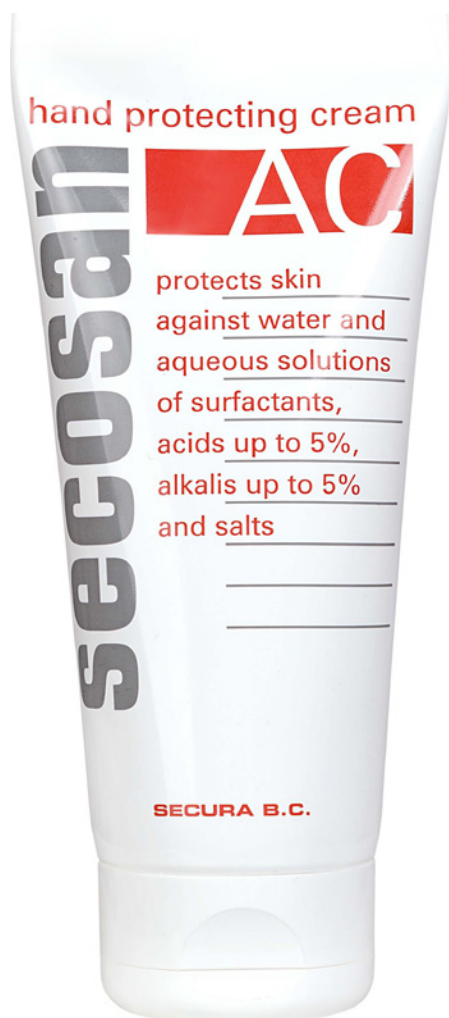
SECOL is thinner than skin and protects like a glove.

- Effectively protects the skin from aggressive substances such as: aliphatic and aromatic organic solvents and their halogen derivatives (e.g. benzene, toluene, xylene, trichloroethylene, chlorobenzene); petrol, kerosene, oils, greases, tar, pitch and other petroleum products; resins, curing agents, plasticizer (e.g. styrene); esters and ketones (e.g. ethyl acetate, methylethylketone).
- Recommended for jobs that require prolonged or frequent contact with the aforementioned substances, especially when using gloves is prohibited.
- Easy application: spread a small amount on hands and let dry for about 2 minutes to create a strong, thin and elastic protective layer.
- SECOL is easily washed off with soap and water, bringing all the dirt with him.
NOTE: It is recommended to wipe off excess oil or grease with a paper towel before washing hands.
- Proved therapeutic and relief action.
SECOL is beneficial for various skin conditions (e.g. occupational acne recedes after 4 weeks of SECOL application in 96% of the subjects tested).
SECOL is also a powerful germicide and protects against mycosis.
- No skin irritation or sensitization has been observed.
- SECOL allows the skin to breathe.

SECOL is available in packages of 140 g, 5 kg, 50 kg.



SECOSAN AC



Hydrophobic cream protecting against water and aggressive substances dissolved in it.

- SECOSAN AC protects the skin creating an impermeable barrier for water and the substances dissolved in it that also prevent skin maceration.
- Designed to protect hands from aggressive water-based solutions: surfactants and other cleaning agents, acids in concentration up to 5% (hydrochloric, nitric, sulphuric, acetic, lactic and others), alkalis in concentration up to 5% (sodium and potassium hydroxide, ammonia), salts, other contaminants, e.g. wet soil.
- SECOSAN AC is recommended for use during cleaning and washing, in food preparation, soil cultivation, gardening, fishery, machining of metal parts with aqueous synthetic fluids, in health services, laboratories, under rubber gloves, etc.
- The use of SECOSAN AC is recommended for jobs that require prolonged or frequent contact with water or moisture, especially when using gloves is prohibited.
- Convenient and economic: spread a small amount on hands and let dry for about 2 minutes creates a thin and elastic protecting layer. The liquid component of SECOSAN AC penetrates the epidermis softening and oiling the skin.
- Washing hands with water remove dirt while beneficial residue of cream remains on the skin to protect against contaminant. (The cream is completely removed after a few washings).
- SECOSAN AC provides a substantial improvement to various skin conditions*.
- SECOSAN AC is slightly antiseptic.
- No skin irritation or sensitization has been observed.

SECOSAN AC is manufactured according to Technological Procedure 12/2003/W prepared by the Central Institute for Labour Protection – National Research Institute (CIOP-PIB).
Dermatologically approved.

*Controlled tests performed at Dermatology Clinic of Provincial Centre of Labour Medicine in Lublin have shown skin condition improvement with 100% patients suffering of various skin changes and applying SECOSAN AC.

SECOSAN AC is available in packages of 100 ml and 200 ml.





SECURA B.C. Sp. z o.o.
Matuszewska Str. 14, Building B1, 03-876 Warsaw, Poland

phone: +48 22 813 45 69
info@secura.com.pl
www.securabc.com