SECURA BC

CATALOG 2023/2024

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TABLE OF CONTENTS

NEOSEC 3000 FFP3 R RESPIRATOR

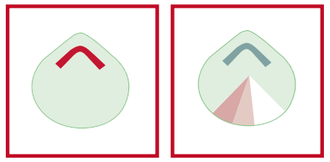
FUNCTIONAL PARAMETERS OF RESPIRATOR NEOSEC CLASS FFP3

Class according to 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

EXAMPLES OF APPLICATION OF RESPIRATOR NEOSEC CLASS FFP3:

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

SPECIAL FEATURES



NEOSEC 3000 FFP3 R respirator class FFP3 is designed to protect respiratory system against harmful effects of dust, solid and liquid aerosols provided that the concetration of the dispersed phase of aerosol does not exceed 30 x OEL (Occupational Exposure Limit).

NEOSEC 3000 FFP3 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 fits in any pocket

SAFE

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

R - means that the product is intended for multiple use

Class according to EN 149+A1:2009.

SECURA 3000 REUSABLE HALF MASK RESPIRATOR

SPECIAL FEATURES

SECURA 3000 respirator, complete with appropriate filtering elements protects against the 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. One-piece, textile head strap, easy to put on and adiust, ensures maximum working comfort even in the most difficult conditions. The bayonet connection adjust provide a quick and secure mounting of filters.

The half mask is available in three sizes: S, M, L.

VARIANTS OF USAGE

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

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

SECURA 3000 Half Mask Respirator with gas and particulate filters protect against gases, vapors and simultaneously occurring dust, fumes and mists.

SECURA 3100 REUSABLE HALF MASK RESPIRATOR

SPECIAL FEATURES

SECURA 3100 respirator, complete with appropriate filtering elements protects against the 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 four-point 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 benefits from a convenient and reliable strapping at the back of the head. The bayonet connections provide a quick and secure mounting of filters.

The half mask is available in three sizes: S, M, L.

VARIANTS OF USAGE

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

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

SECURA 3100 Half Mask Respirator with gas and particulate filters protect against gases, vapors and simultaneously occurring dust, fumes and mists.

SECURA 3200 REUSABLE HALF MASK RESPIRATOR THE PERFECT SOLUTION FOR MINING

SPECIAL FEATURES

SECURA 3200 respirator, complete with appropriate filtering elements protects against the harmful effects of aerosols (dust, fumes, mists), vapors and gases.

SECURA 3200 respirator consists of a body, two inhalation valves with bayonet connectors for filtering elements, an exhalation valve, and a head strap.

SECURA 3200 respirator is made of high-quality materials with a silicone facepiece and a one-piece neoprene 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 benefits from a convenient and reliable strapping at the back of the head. The bayonet connections provide a quick and secure mounting of filters.

The half mask is available in three sizes: S, M, L.

VARIANTS OF USAGE

SECURA 3200 Half Mask Respirator with particulate filters protect against solid and liquid aerosols.

SECURA 3200 Half Mask Respirator with gas filters protect against gases and vapours.

SECURA 3200 Half Mask Respirator with gas and particulate filters protect against gases, vapors and simultaneously occurring dust, fumes and mists.

PARTICULATE FILTERS

SECAIR 3000.01 P1 R Particulate Filter protects against the harmful effects of dust, solid and liquid aerosols, provided that the concentration of the 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), softwood machining, brushing of castings and steel structures, production, handling and application the lime, cement, artificial fertilizers, raw materials for glass, and ceramic industry, rubber industry etc.

SECAIR 3000.02 P2 R Particulate Filter protects against the harmful effects of dust, solid and liquid aerosols, provided that the concentration of the 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 against the harmful effects of dust, solid and liquid aerosols, provided that the concentration of the 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 a represent; tanneries and electroplating plants (chromate dusts and mists); selected pigments (cadmium sulphide); artificial, mineral fibers; asbestos dust; dust, and mists of pharmaceutical products.

PARTICULATE FILTERS

SECAIR 3000.04 P3 Particulate Filter protects against the harmful effects of dust, solid and liquid aerosols, provided that the concentration of dispersed phase of the aerosol does not exceed:

- 20 x OEL (Occupational Exposure Limit) with half mask respirator and
- 1000 x OEL (Occupational Exposure Limit) with full face mask

The filters are designed to be used with the half masks SECURA 2000 series or the SECURA 3000 series (3000, 3100, 3200) and with full masks with a bayonet connection identical to the SECURA connection.

SECAIR 3000.04 P3 Particulate Filter has a protective housing for working in high humidity conditions and increased resistance to contaminants. In addition, the housing provides mechanical protection against damage and extends the service life of the filter.

SECAIR 3000.04 P3 Particulate Filter has a wide range of applications, including mining, chemical, petrochemical, metallurgical, engineering, wood, pharmaceutical, food, and other industries, and it is also recommended to protect during construction works.

SECAIR 3000.04 P3 Particulate Filter conform to European Standard EN-143:2021.

Filters stored in original packaging keep their useful (protective) properties for 5 years from the production date.

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 vapors, against sulphur dioxide and other acid gases and vapors, 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)**.

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)
3034 K2	3000.01 P1 R	K2 P1*
3034 K2	3000.02 P2 R	K2 P2*
3034 K2	3000.03 P3 R	K2 P3*

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

SECURA 3000 AND 3100 KITS

The SECURA 3000 LAK kit protects respiratory system against dust, fume and liquid aerosols (mist) as well as vapors and organic gases with boiling point > 65℃. 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 equiment 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 system against solid and liquid aerosols (dust, mists and fumes) when the 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 system against dust, fume and liquid aerosols (mist) as well as vapors and organic gases with boiling point > 65℃. 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 system 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

PROTECTIVE HOOD SECURA 3000

Protective hood SECURA 3000 after assembling with relevant SECURA B.C. filtering elements (particulate filters, gas filters, and sets of filters), protects the respiratory system against air pollution in the form of:

- dust, solid, and liquid aerosols, when equipped with particulate filters,
- vapors and gases, when equipped with gas filters,
- aerosols, vapors, and gases when equipped with sets of filters.

The protective hood is made of polyester fabric coated with PVC, while the visual area is made of soft, transparent PVC.

Inside the hood, there is a silicone half-mask body that fits snugly to the face around the nose and mouth.

The hood seals securely around the neck with a silicone ring. Additionally, it is equipped with a set of valves with silicone membranes to ensure proper airflow and adjustable headgear for the user head size adjustment.

The product meets the applicable essential health and safety requirements included in Regulation (EU) 2016/425 of the European Parliament and of the Council of March 9, 2016, and meets the requirements of standard EN 403:2007, excluding points 6.7 and 6.11.

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 an 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 a fully automated production line. Each glove is individually numbered and electrically tested at a computer-controlled testing rig. A report of this test is attached to each individual glove package. The ergonomic shape and elasticity of the glove makes manual work comfortable and easy even when antiperspiration 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 temperatures.

TECHNICAL CHARACTERISTICS OF ELSEC GLOVES

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

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

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

Technical characteristics 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		Straigth	Straigth	Straigth	Straigth	Straigth

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

CLASS 00
ELSEC
2,5 kV
SIZES 8-12

ARC TESTED

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

CLASS 0
ELSEC
5 kV
SIZES 8-12

ARC TESTED

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

CLASS 1
ELSEC
10 kV
SIZES 8-12

ARC TESTED

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

CLASS 2
ELSEC
20 kV
SIZES 8-12

ARC TESTED

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

CLASS 3
ELSEC
30 kV
SIZES 9-12

ARC TESTED

ACCESORIES FOR INSULATING GLOVES

Leather overgloves

Working on a 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 to use protective gloves over electrical insulating gloves.

Cotton inserts

Made of fine cotton, t hey significantly improve the comfort of working, i solate h and f rom 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 contents can be freely attached to the tool belt, the bag also has a loop, through which the belt can be inserted.

RUBBER INSULATING MAT AND CARPET, CLASS 2

Intended use and scope of use:
Class 2 electrical insulating mat and carpet are intended for use with electrical devices with a maximum rated voltage of 17,000 V - for alternating current 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.

Technicals 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

Electrical insulating properties of pavement in class 2: effective value when tested with an alternating test voltage of 20 kV.

Physical and mechanical properties of the product

No.	Parameters	Unit	Requirements
1.	Hardness	°ShA	66 ÷ 75
2.	Tensile strength, min.	MPa	5
3.	Relative elongation at break min.	%	250
4.	Tear strenght, min.	kV/m	20
5.	Resistance to heat aging in air at 70 °C for 168 h determined by measuring puncture strength, min.	%	80
6.	Puncture resistance, min.	N	70
7.	Slip resistance, min.	N	50
8.	Burn resistance, max.	mm	50
9.	Resistance to low temperatures (-25 °C)	-	no cracks, scratches or abrasions
10.	Resistance to sulfuric acid by measuring puncture resistance, min.	%	75
11.	Resistance to oil no 1 by measuring puncture resistance, min.	%	75

SECOL

Hydrophilic gel protecting against organic substances.

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 derives (e.g. benzene, toluene, xylene, trichloroethylene, chlorobenzene); petrol, kerosene, oils, greases, tar, pitch and other petroleum products; resins, curing agents, plasticizers (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 gloves using 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 whit 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, and 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, and 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 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 contaminants. (The cream is completely removed after a few washes).
- 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 the Dermatology Clinic of the Provincial Centre of Labour Medicine in Lublin have shown skin condition improvement with 100% patients suffering from various skin changes and applying SECOSAN AC.

SECOSAC AC is available in packages of 100 ml.

NOTES

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