



Protective Equipment

The Czech Republic = one of the best **healthcare systems** in the European Union

Czech companies are able to supply various kinds of **investment units**:

- + Hospitals
- + Modular Hospitals
- + Laboratories
- + Emergency Healthcare in Crisis Situations
 - Field Hospitals
 - Mobile Emergency Units
- + Public Health Protection Authority
- + Isolation Departments/Wards

CZECH HEALTHCARE SOLUTIONS
by
Association of Manufacturers
and Suppliers of Medical Devices

General Contact:
info@avdzp.cz

CZECH
HEALTHCARE
SOLUTIONS

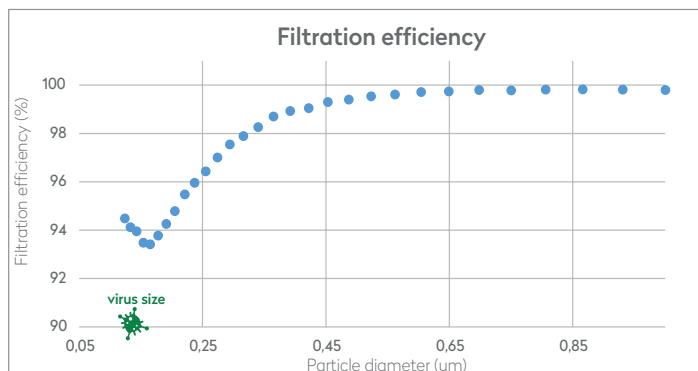
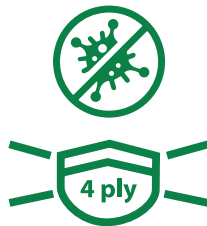




batist@batist.com
www.batist.com

Nano Fiber MASK A

Medical face mask including **nanofiber filter**, protection against the spread of a viral or bacterial infection, with tie straps, four-layers, non-sterile.



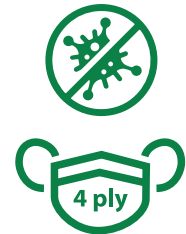
Virus and Bacteria Filtration.

Bacterial filtration efficiency (BFE) $\geq 98 \%$
Effectively filters virus-sized particles.

The product is single-use. If reused, the product may be degraded, cross contamination may occur.

Nano Fiber MASK B

Medical face mask including **nanofiber filter** protection against the spread of a viral or bacterial infection, with earloops, four-layers, non-sterile.




immunity

NANOTECHNOLOGY

Virus and Bacteria Filtration.

Bacterial filtration efficiency (BFE) $\geq 98 \%$
Effectively filters virus-sized particles.

The product is single-use. If reused, the product may be degraded, cross contamination may occur. 



DINA-HITEX is a well-established producer and distributor of disposable medical products. The company is based in the town of Bučovice (South Moravia).



Surgical drape sheets, wear and small sets are packed automatically and undergo EtO sterilization on the premises of DINA-HITEX. This process speeds up the production time considerably. Sterile products are delivered to final users, non-sterile are usually manufactured for B2B contracts.

The wide range of products by DINA-HITEX can satisfy the need to cover a broad spectrum of medical specialities. ➤



Nowadays, it concentrates on the production of surgical gowns both sterile and non-sterile, protective clothing for hospital staff, three-layer face masks and etc. The used non-woven materials are breathable, comfortable and ensure necessary protection against leakage and transmission of infection. Three-ply face masks are enriched with silver for even better anti-bacterial protection.

The company's key programme targets the development and production of highly sophisticated surgical drapes and sets tailored to customers' specific requirements.





DISPOMASK
CZECH

info@dispomask.cz
www.dispomask.cz/en

DispoMask Czech s.r.o. is a Czech manufacturer of type IIR disposable surgical face masks. The manufacturing plant is located in Litomyšl and has an impeccable focus on quality.

The company can ensure large quantity long-term supply of millions of pieces, as well as supply to smaller customers.

The masks are being produced in four colours - green, blue, pink and smaller batches of black. The packaging is of 5, 10 or 50 pieces. ➡

TECHNICAL SPECIFICATION

THREE-PLY DISPOSABLE SURGICAL MASK

DIMENSIONS

Height 95 mm
Width 175 mm

MATERIAL

Outer and inner layer
nonwoven fabric, polypropylene 30 g/m²

Filtration layer
meltblown BFE 99 %

Nose bridge
metallic strip 3 mm

Ear straps
3 mm elastic rope

NOTES

The product complies with the technical standard
EN ISO 14 683 + AC (855812) Type IIR.

BENEFITS

EU quality

Flexibility

Automated production line



NAFIGATE park develops and produces nanofiber products. The park is the first NAFIGATE Corporation's industrial production plant with its own R&D center.

The production plant was created out of passion for nanofibers and the needs of our customers. The team consists of experts with more than 15 years of experience in the development and production of nanofibers. Part of our team was at the birth of Nanospider™ technology at Elmarco. We believe that nanofibers have been the material of the future for more than 15 years and have an important place in the protection of human health in today's world.



NAFIGATE park currently produces two products:

- + N-composite roll membrane for effective protection against viruses and bacteria in face masks
- + Nanocleaner window mesh for maximum comfort and protection against harmful substances from the air

N-composite roll

The laminated four-layer composite material with a PVDF nanofiber membrane and built-in Ag⁺ ions in the microfiber structure of the supporting nonwoven layer is intended for the production of disposable and reusable medical masks. It serves to significantly reduce the transmission of infectious agents such as viruses and bacteria. It is mainly used in the production of disposable face masks, but it can be also used for the production of respirators for repeated use.

- + Filters up to 99,9 % of particles including bacteria and 92 % of viruses
- + High breathability
- + Lightweight
- + Reusable

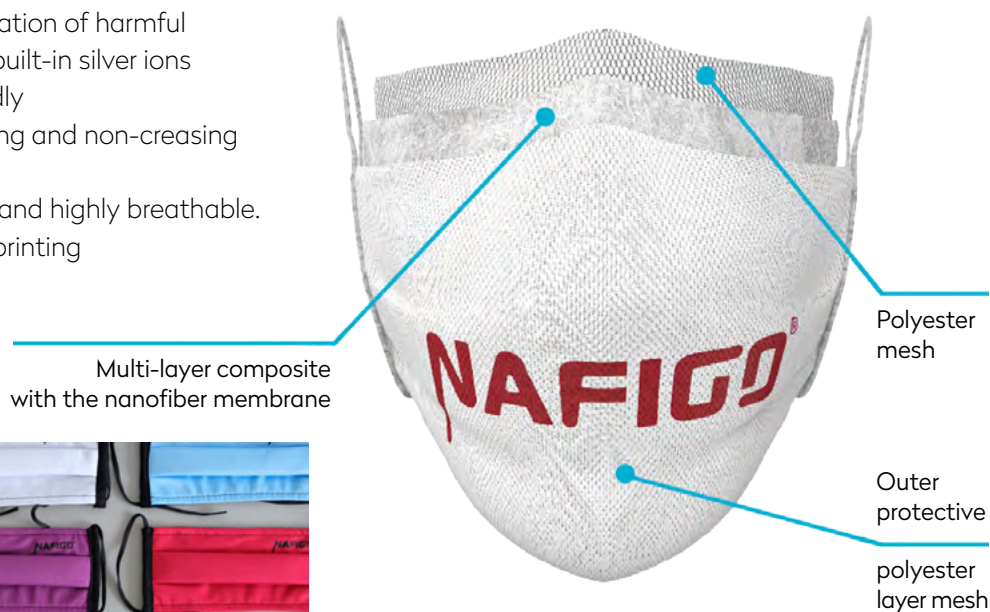


info@nafigo.cz
www.nafigo.cz/en/

NAFIGO N-mask

- + A certified medical device according to EN 14683, type IIR, which effectively filters 99 % of bacteria and 92 % of viruses
- + Contains a nano composite with FFP3 filtration efficiency
- + Prevents the multiplication of harmful organisms thanks to built-in silver ions
- + Can be used repeatedly
- + Made from quick-drying and non-creasing functional materials
- + Elegant, comfortable and highly breathable.
- + Possibility of custom printing
- + CE certified

The N-mask is a reusable medical device designed to protect the respiratory tract. It is made from quality and functional materials whose main advantage is above-standard comfort, breathability, wrinkle-resistance and fast drying. The N-mask contains a revolutionary nanofiber membrane made by patented Czech technology Nanospider™, which has long shown very high filtration efficiency even for such small particles as viruses or bacteria. Moreover, it is suitable for repeated use. The protective function of the nanofiber composite is further enhanced by a meltblown nonwoven fabric with silver ions, which are securely anchored in the fiber structure and prevent the multiplication of unwanted microorganisms such as viruses, bacteria or mold. +





j.peska@royax.eu
www.royax.eu/

Royax company established one of the biggest factories in the field of PPE in Central Europe with production capacity of more than 10 Million face masks and respirators per month. Our respirators are CE certified. Our quality controllers apply the strictest measures and all our products always comply with the highest quality standards. Our

masks and respirators are manufactured strictly from high-quality European raw materials (from Czech, Poland and UK) on fully automated machines in Prague.

We are offering very competitive prices for our customers without compromising extremely high product quality. ➦

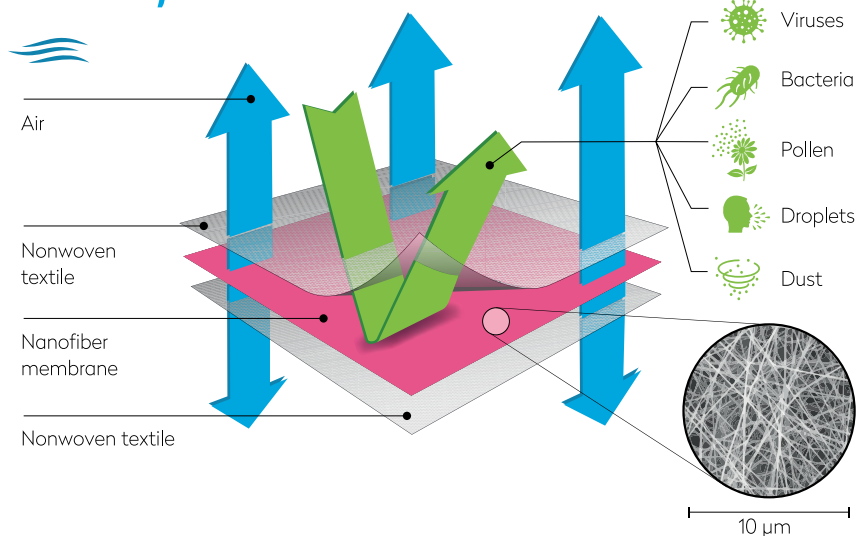


Protective nano face mask Generation 2.0

- It was developed mainly for protection against the spread of viral and bacterial infections
- The Generation 2.0 SNP face mask is structurally and functionally on the border between a face mask and a respirator. In many ways, it even surpasses the qualities of certain types of respirators



Efficiency



- It acts as a mechanical barrier both for its wearer and for its surroundings
- The whole face mask is made of one piece of NANO material and thanks to its unique construction it is highly adhesive, sealing and protecting a large part of the face
- This design solution ensures maximum filtration of inhaled and exhaled air
- The NANO material used allows for easy breathing and the ability to use the face mask, for example, throughout the work shift
- Due to its very low weight its use is comfortable, non-burdensome and safe for users

- It is produced in 4 sizes in order to achieve maximum tightness, filtration and comfort in use

The nanolayer based on a polymer made of PVDF (polyvinylidene fluoride) consists of a dense network of nanofibers with an average thickness of 50 - 90 nm. The three-layer laminate with a nanofiber layer provides high filtration efficiency against various microorganisms, allergens (eg pollen), fungi and dust particles with a lower pressure drop (breathing resistance), or with higher breathability of the material, which ensures comfort when breathing. **+**



spur@spur.cz
www.spur.cz

The family company SPUR a.s. manufactures a wide range of plastic products and NANO fibre filtration material SpurTex®.

Production is based on R&D activities, which follow market demand and ongoing innovation.

SpurTex®

Multilayer filtration material based on NANOFIBRES with high filtration performance and low air-leaks are suitable for the following purposes:



- + Air-filter masks
- + Respirators and medical face-masks
- + High-performance filters of ultrafine particles

NANO Respirator SpurTex® V100 FFP2

- + Excellent protection against viruses and bacteria
- + filtration efficiency of nano-fibre 98,5 %
- + comfortable breathing when wearing for multiple hours
- + 5-ply material structure



NANO Face Mask Class II SpurTex® PP

- + Protective 5-ply face mask with high filtration performance nanomaterial
- + Filtration efficiency /BFE/ is 99,73 %
- + Maximum protection against spread of viral & bacterial infection for its user and their surroundings

Standard 3-ply mask 	✓	COMFORTABLE WEARING	✓	SPURTEX® PP Nano Face Mask  SPURTEX® NANOTECHNOLOGY
	✓	AFFORDABLE PRICE	✓	
	✗	5-PLY PROTECTION	✓	
	✗	NANOFIBRE	✓	
	✗	MECHANICAL FILTRATION	✓	
	✗	HIGH BREATHABILITY	✓	
	✗	EFFECTIVE VIRUS DETECTION	✓	



sekreteriat@egozlin.cz
www.egozlin.cz

We offer a proven variety of protective suits of the highest biological protection. The suits are equipped with a supply of filtered air, thanks to which the user can enter an environment contaminated with a highly contagious disease. The suits have been used successfully, for example, during the Ebola epidemic in Africa.

Protective suits for the highest protection and comfort

- + Suits are made of highly durable butyl rubber
- + Are decontaminable and reusable
- + User protection is ensured by internal overpressure



- + Large-area visor
- + All seams are sealed with an elastomer mixture

Bio-bag for maximum protection in the most dangerous conditions

The Bio-bag is a highly functional and environmentally tested isolation device used for a transport of a person infected with the highly contagious disease or a person to whom it is necessary to provide protection from the outer environment (typically in case of reduced patient's immunity). The design of the Bio-bag has undergone several modifications over the years and its current design belongs to the top of the field. +

