



FUNDACJA POMOCY
RODZINOM I CHORYM
NA MUKOWISYCYDOZĘ

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VK Respirators – How They Work and What Is Unique About Them

Double protection against viruses. These are the words that first come to mind if you know the VK product line, or have at least heard about it. These respirators boast a nanofiber membrane that works as a protective filter in both directions. Thus they protect the wearer and those around them at the same time. The inner and outer layer of the respirator are enriched with accelerated copper. Between them is situated the nanofiber filter, blocking out 99.9% of all viruses and bacteria, which are then all deactivated by the accelerated copper. In other words, it eliminates not only those pathogens from the outside, but also any that may be coming from you in case you have been infected. This process is what allows us to call the VK respirators self-sterilizing. It means that you can wear them repeatedly – without any maintenance – for a whole week, or 168 hours cumulatively. What is more, they come in various shapes and sizes to fit almost everyone.

There are two types of respirators in the VK line, with different shapes. Both are comfortable, light, and offer maximum protection thanks to their nanofiber membrane.

Their nanofibers are up to a thousand times thinner than the human hair. Because they are so thin, they can form a perfect, dense sieve which blocks out even the most minute particles, such as viruses and bacteria.



VK respirators are certified in accordance with the EN 149:2001+A1:2009 norm and have an embedded nanofiber membrane that captures 99.9% of viruses and bacteria, smog, dust, pollen, allergens, molds, and other pathogens. Their unique feature is accelerated copper, which secures their self-sterilizing effect. VK respirators are maintenance-free and can be worn repeatedly. They have flexible ear loops and are manufactured in the Czech Republic.

The VK RespiPro is C-shaped and thus follows the contours of your face. It is available in sizes M and L. The elongated shape of the VK RespiRaptor might be likened to a fish. This shape ensures that when it is put on, its wearer is better understood when speaking. It is also suitable for men with beards and people with glasses. It is available in sizes S and M/L. Size S also fits children.

We really enjoyed the feedback that we got from our customer Jana: “Our daughter is in love with your VK respirator! She says that if everyone wore it we could wipe out all viruses. At last, she can wear her size-S RespiRaptor to school. She says it doesn’t chafe or rub and that she can finally breathe! Sometimes she even forgets to take it off when I pick her up at school. We are really satisfied.”

Protecting Yourself from Viruses and Bacteria with the R-shield Neck Gaiter

R-shield bears no resemblance to a standard medical protective device, yet it is an ideal compromise between functionality and design. It boasts a special nanofiber membrane that captures up to 99.9% of viruses and bacteria. It is sewed in the area that covers the wearer's nose and mouth so it won't let any smog, dust, pollen or other allergens pass through it. It is available in both classic and Light versions. The tubular shell of the R-shield Light is made from a lighter textile, and so it is even more breathable, making it suitable even for warmer days and for sports.

The idea of a neck gaiter was conceived back in the days when wearing a face mask in public anywhere in Europe might earn its wearer questioning looks and/or undesirable reactions from passers-by.

We launched the product based on feedback from our client-patients. Due to their illnesses, they had to wear respiratory protection in public long before COVID. That is why we decided to "conceal" a nanofiber face mask that effectively blocks out viruses and bacteria into a neck gaiter. This helped them to better "blend in with the crowd".

And how does R-shield work? The RESPILON® membrane, which is sewed in the area that covers the wearer's nose and mouth, is a part of each neck gaiter. This membrane is made up from an extremely dense network of nanofibers which can mechanically capture even the smallest viruses and bacteria. What's more, it works in both directions, and thus protects both its wearer and also the people around them.

R-shield is made from a flexible material which provides outstanding elasticity, it wicks moisture, and is resistant against molds. Its special, close-fitting tubular design, embedded nose clip, and cord lock which lets you adjust the size or width of your R-shield, ensure no uncomfortable tightness nor headaches. It also fits almost every face type and face size. It is washable and needs no changing of filters.

There is no need to worry about choosing the right size. Thanks to the cord lock at the back of your R-shield you can always readjust its size to make it fit to your face more closely. It is also available in a children's size. The adjustable nose clip also helps inhaled air to travel through the nanofiber membrane.

R-shield is an ideal companion in the mountains, in polluted areas and in places with airborne allergens, for sports, in crowded cities during flu season, in public transport, on busses, trains, or for sports and trips. A handy case that will protect your R-shield from getting dirty, torn, or cross-contaminated, is also available.

To support the Czech Cystic Fibrosis Association, we created the limited edition R-shield Parrot with a parrot pattern. We asked children to draw the design of an R-shield they would like to wear every day and everywhere. More than 100 children participated, and the author of the final design was then 14-year-old Karolína. She said that her drawing was inspired by her own parrot. Children and adults all around the world now wear the neck gaiter with her own design. What is more, RESPILON donates \$1 from the sales of every R-shield Parrot to the Czech Cystic Fibrosis Association.



Clean and Safe Air in Your Homes

Since clean air indoors is also important for us, we developed a universal protective air conditioner filter as well. It adsorbs bacteria, and its antimicrobial properties prevent their further growth inside the A/C unit. The filter also eliminates odors, harmful gases, and protects your space from dust. It can be installed in every room fitted with an air conditioner, be it a living room, office, or doctor's office.

How does the RESPILON® A/C filter work? First, it is important to realize how home air conditioners work. An indoor air conditioner draws in air from the room, heats it or cools it, and then lets it back into the room. Because of that, the air which was already in the room circulates. The RESPILON® A/C Filter attaches to the vents through which the air conditioner draws in air. The air is filtered at the intake through the nano membrane, which rids it of undesirable particles such as dust, pollen, bacteria, and gases responsible for unpleasant odors.

Purified air at a required temperature then comes out of the air conditioner. The versatility of the filter is a big advantage – it doesn't matter whether you have a wall-mounted, a ceiling-mounted (so-called cassette), or a mobile air conditioner, it doesn't even matter what brand it is. RESPILON® A/C can be installed in any A/C unit.

Its universal applicability is a great advantage, just like its antimicrobial effect, not to mention its deodorizing zeolite core – which not only adsorbs odors, but also prevents their growth on the filter. It is also maintenance-free and easy to install. It is certified by independent institutions, and holds four test reports from the accredited FITI Testing & Research Institute.

All our nanofiber products help to improve the quality of life for both the healthy and the sick. As Jana Zimová says: “We understand how important it is to help patients with cystic fibrosis to protect themselves from harmful particles which can be mortally dangerous. And how difficult it can be for them to do everyday activities. We believe that with our solutions we can help them better protect themselves against viruses and bacteria, and bring more comfort into their lives.”

If you want to learn more about RESPILON and our products, please go to **www.respilon.com**. And if you think that our products may help you and make your life easier, please visit our online store at **www.shop.respilon.com**.

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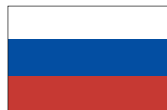
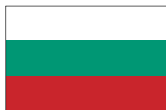
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