

ABOUT

The KC Mask – VBF99.9 is the only reusable mask on the market to protect you and your surroundings from viruses and bacteria with the help of specially developed, laboratory tested virus filters.

KC Mask VBF 99.9 filtering half-mask is approved as PPE-R, CAT. III equipment with EU Type-Examination Certificate under EU Regulation 2016/425 to protect against COVID-19, confirm to the test requirements of PPE-R 02.075 Version 02.



KC STRUKTUR

KC Struktur Kft.
1111 Budapest – HU
Lágymányosi utca 12/2

www.kcstruktur.com
www.kcvirusmask.com
www.kcvirusmask.shop
info@kcstruktur.com

KCMASK™

Nelson Labs tested virus filter



TECHNICAL DATA SHEET

KC MASK VBF 99.9 – PPE-R, CAT.III – COVID-19

The KC Mask VBF 99.9 is a reusable personal protective equipment (face mask) to protect the user, in the way that it is designed to filter the airborne **bacteria and viruses like SARS-CoV-2 (COVID-19)**, using replaceable, built-in high-efficiency filters. These filters were tested in Nelson Laboratories too, for viral and bacterial efficiency at increased challenge level and proven to be **99.9% efficient for viral filtration, and 99.98% for bacterial filtration.**

This half face mask is manufactured from **medical, skin-safe** flexible materials with certain softness – similar to silicone - ensuring to appropriately attaching to the face, following the contour of it, ensuring proper sealing. Adjustable 4 straps secure proper fit to different head sizes and shapes, providing adjustable, but tight fixing, ensuring long, comfortable use.

The mask has no valves, to minimize infections.

The KC Mask is manufactured in **two sizes (L and S)** providing proper fitting for all users with different head and face shape. The mask is available in **4 different colors**, but colors can vary regarding the material color batch used. Color batches are skin-friendly type materials also.



The shape of the half mask is designed in the way to not obstruct the view of the user making possible additional **goggles to be worn**. The KC Mask body part is reusable with the appropriate disinfecting procedure between the uses. **Disinfecting instructions are given in IFU.**

The mask has **replaceable filters** provided by the manufacturer. Do not use with other filters.

This filtering half mask is manufactured for COVID-19 protection only. As requested by World Health Organization recommendations, for this specific use, the nominal protection factor given by this filtering half mask is the same than the FFP2 nominal protection factor defined in EN 149:2001+A1:2009. This filtering half mask is not a filtering half mask for general use and shall not be used for purposes other than protection against COVID-19.



Maximum usage time: **24 active hours**

Cleaning and disinfecting methods:

- scalded by at least **95°C boiling water** or keeping in the hot water
- with **70 % alcoholic disinfectant** (IPA= isopropyl alcohol, propan-2-ol)
- with **antibacterial soap** and warm water

Cleaning and disinfection methods are tested and accepted by the notified body, these are scientifically proved effective against the SARS-CoV-2, or have been recommended by ECDC.

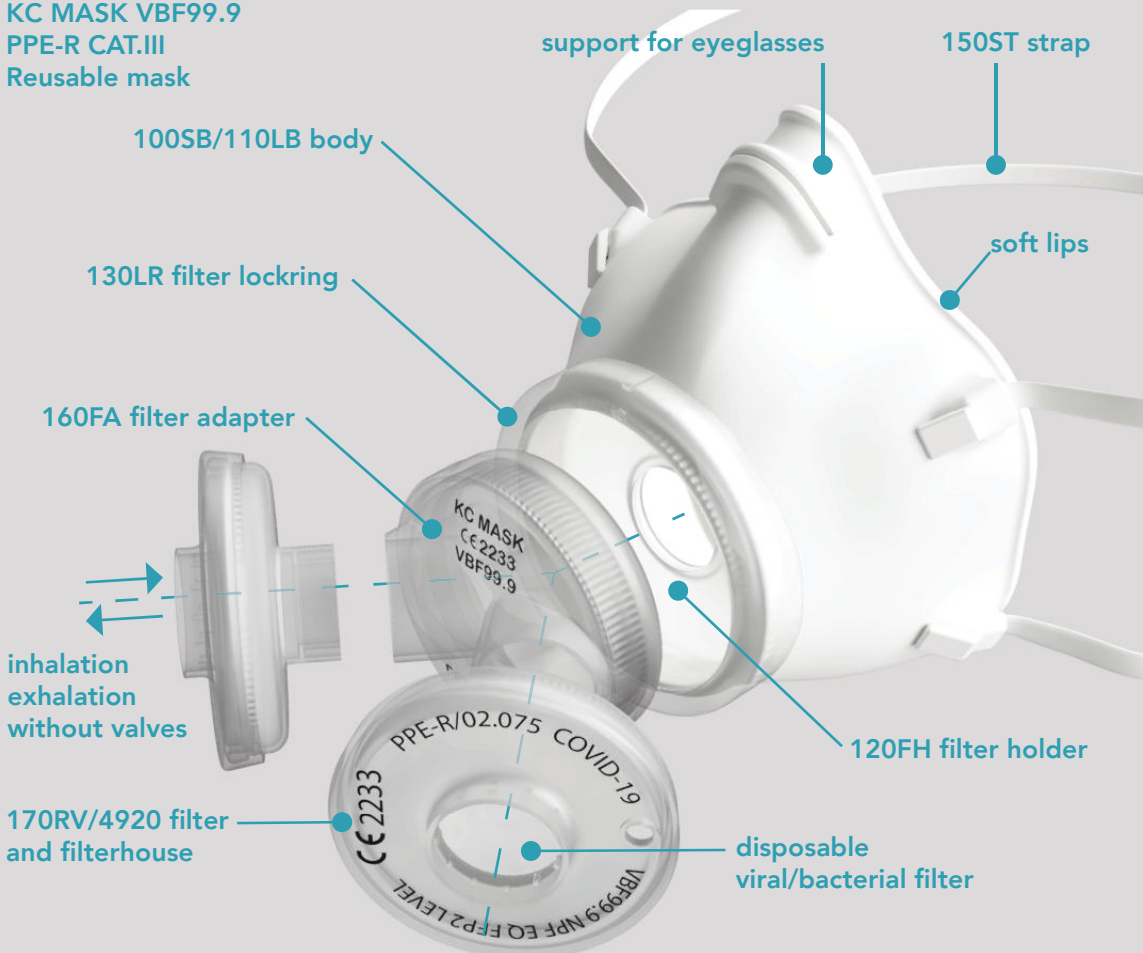
PRODUCT FEATURES

- exchangeable virus filters with 99,98% viral efficiency, tested for 24h active use in the medical, virus-contaminated environment by Nelson Labs and Certification Body 2233
- lightweight, flexible structure with soft lips for a tight connection
- twin filter design, for a record low breathing resistance, less than 1.5mbar at 95l/min
- for the safer use and user environment protection, the mask has no valves
- made of soft, temperature-resistant, skin-safe medical materials, with ISO 10993
- reusable body, exchangeable filters and spare parts to ensure a long product lifetime
- can tolerate disinfectants, alcoholic cleaning products, high-temperatures up to 121°C
- double strap design for fast securing and easy adjustments
- not unisex – different size for male and female users
- equipped with nose clip and support for eyeglasses
- equipped with special seals ensuring no fogging on glasses

Breathing resistance tested after EN 149:2001+A1:2009 by Notified Body 2233, Gépteszt Kft. according to PPE Regulation 2016/425.

Sample	Conditioning	Inhalation resistance		Exhalation resistance 160 l/min				
		30 l/min	95 l/min	Ahead	Vert. uw.	Vert. dw.	Left	Right
210-11	C.D. large 1	0,43	1,48	2,88	2,86	2,87	2,85	2,87

KC MASK VBF99.9
PPE-R CAT.III
Reusable mask



inhalation
 exhalation
 without valves

170RV/4920 filter
 and filterhouse

disposable
 viral/bacterial filter



EASY BREATHING
 < 1.5 MBAR



99,98% VIRAL EFFICIENCY



TEMPERATURE RESISTANT



WASHABLE



REPLACEABLE FILTER



WEARABLE WITH EYEGLASSES



SKIN-SAFE



LABORATORY TESTED



NO EXHALATION VALVE

LIGHTWEIGHT



ERGONOMIC FIT



ONE TIME PURCHASE

