

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 CE certified, approved as PPE-R (reusable), CAT. III protective equipment with EU Type-Examination Certificate under EU Regulation 2016/425 to protect against SARS-CoV-2 (COVID-19), confirm to the test requirements of PPE-R 02.075 version 02.

CE2233 - PPE 2016/425
PPE-R 02.075 COVID-19



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, CAT.III – COVID-19 PPE-R 02.075, WITH NOMINAL PROTECTION FACTOR SAME AS FFP2 IN EN 149:2001+A1:2009

The KC Mask VBF 99.9 is a reusable personal protective equipment (face mask) designed to filter airborne bacteria and viruses like SARS-CoV-2 (COVID-19) to protect the user with replaceable, built-in high-efficiency filters. These filters were tested in Nelson Laboratories for viral and bacterial efficiency for 24 hours use at increased challenge level and proven to be 99,98% efficient for viral filtration, and 99,99% for bacterial filtration. Relevant testing was carried out with the use of *Staphylococcus aureus* bacteria (approx. 1,0µm size) and *phi-X 174 bacteriophage virus* (approx. 0,027µm size).

This half face mask is manufactured from **medical, skin-safe** flexible materials with certain softness – similar to silicone - ensuring to appropriately attach to the face, following its contour for a **tight seal**. Four adjustable straps provide a tight fit for different head sizes and shapes and ensure comfortable use for long time periods. **The mask has no exhalation valves, to minimize infections.**

The KC Mask is manufactured in **two sizes (S and L)** providing proper fitting for all users with different head and face shape. The mask is available in **4 different colors** but may vary on batches, or when a different color is chosen by the customer. Color batches are skin-friendly type materials also.



The shape of the half mask is designed to not obstruct the view of the user, making additional **glasses or eyewear to be worn** possible. 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 as 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 or other viral and bacterial infections.



Maximum usage time: **24 active hours.**

Cleaning and disinfecting methods (without the filter):

- 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 proven effective against the SARS-CoV-2, or **have been recommended by ECDC, European Centre for Disease Prevention and Control.**

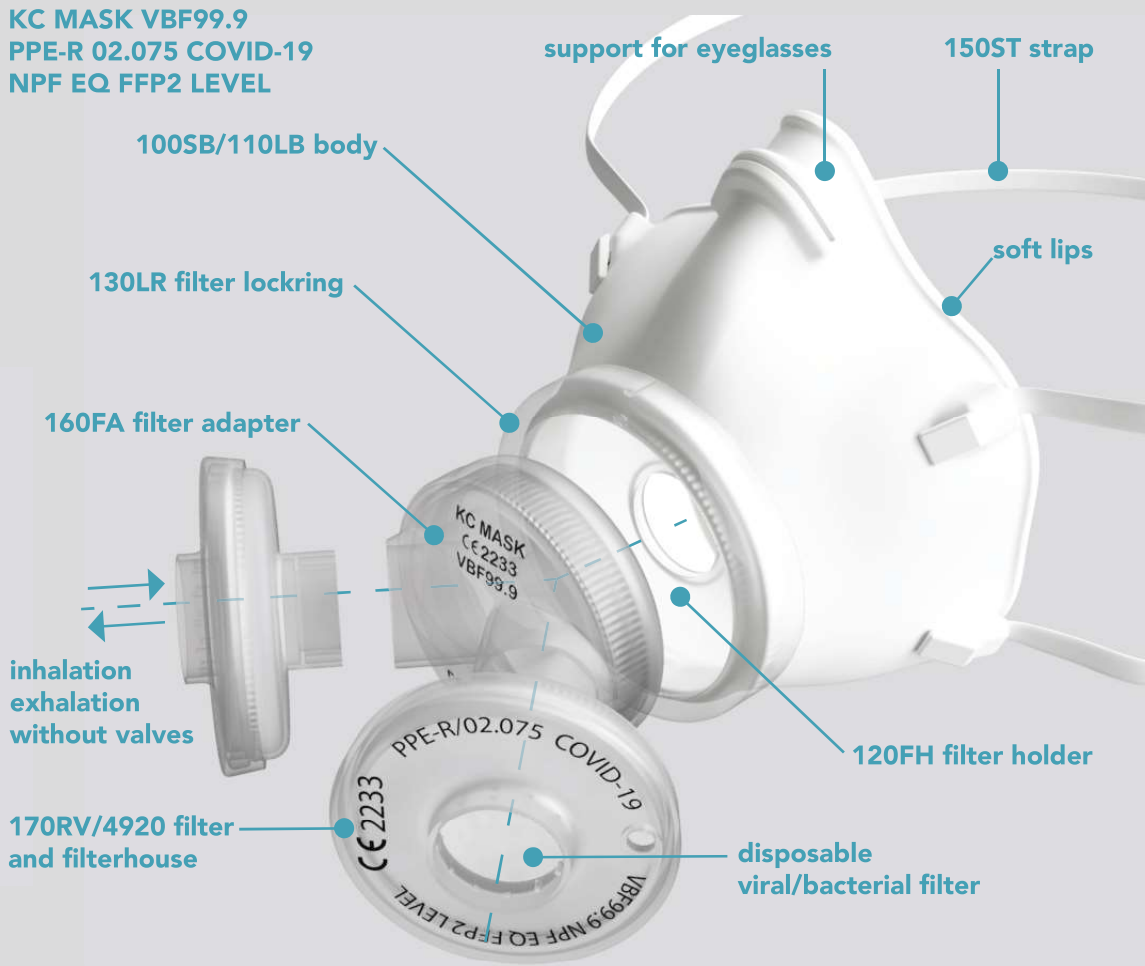
PRODUCT FEATURES

- exchangeable virus filters with 99,98% viral efficiency, tested for 24h active use in the medical, virus-contaminated environment by Nelson Labs
- 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 safety of the user and their environment, the mask has no exhalation valves
- made of soft, temperature-resistant, skin-safe medical materials after ISO 10993 cert.
- 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
- available in different sizes 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 02.075 COVID-19
NPF EQ FFP2 LEVEL



EASY BREATHING
 < 1.5 MBAR

99,98% VIRAL EFFICIENCY

MAX 121°C

WASHABLE

TEMPERATURE RESISTANT

WEARABLE WITH EYEGLASSES

REPLACEABLE FILTER

SKIN-SAFE

LABORATORY TESTED

LIGHTWEIGHT

ONE TIME PURCHASE

ERGONOMIC FIT

NO EXHALATION VALVE

