



Disposable Respirator

KN 95

Technical Data Sheet



Filtering facepiece respirators (FFR), which are also called disposable respirators, are subject to various regulatory standards around the world (see examples below). Certain required physical properties and performance characteristics are specified in order for respirators to claim compliance with the particular standard. N95/KN95/FFP2 respirators are commonly recommended by health authorities during pandemic or emergency situations. They are not exactly the same, but respirators certified as meeting these standards can be expected to function very similar to on another.

- N95 (United States NIOSH-42CFR84)
- KN95 (China GB2626-2006)
- FFP2 (Europe EN 149-2001)

Use For

Filter	Polypropylene/Polyester
Shell	Polypropylene
Coverweb	Polypropylene

- Intended to be worn by operating room personnel during surgical procedures to help protect both the surgical patient and the operating room personnel from transfer of microorganisms, body fluids, and particulate material.
- Always follow User Instructions and use in manners as indicated

3M released a Technical Bulletin on January 2020 regarding Comparison of FFP2, KN95, and N95 and Other Filtering Facepiece Respirator Classes. Based on this comparison, it is reasonable to consider China KN95, as “equivalent” to US NIOSH N95 and European FFP2 respirators, for filtering non-oil-based particles such as those resulting from wildfires, PM 2.5 air pollution, volcanic eruptions, or bioaerosols (e.g. viruses).

Do Not Use for

- DO NOT use in industrial settings
- DO NOT use for gases or vapors (i.e. anesthetic gases such as isoflurane or vapors from sterilant such as glutaraldehyde.)
- DO NOT use in any manner not indicated in the User Instructions

Materials

The following materials are used in the production of respirators:

Straps	Braided Polyisoprene
Staples	Steel
Nose Clip	Aluminium
Filter	Polypropylene/Polyester
Shell	Polypropylene
Coverweb	Polypropylene

Approvals and Standards

- China GB2626-2006
- Meets requirements for a minimum 95% filtration efficiency against solid and liquid aerosols that do not contain oil.
- FDA cleared for use as a surgical mask
- Bacterial Filtration Efficiency F2101 >99% BFE

This Respirator does not contain components made from natural Rubber Latex
Maximum mass of products = 11.3g



Fitting Instructions

Must be followed each time the respirator is worn. Before fitting device, ensure hands are clean.

See Figure 1 below.

All respirator components should be inspected for damage prior to each use.

1. Cup respirator in one hand with nosepiece at fingertips, pull the strips and separate.
2. Hold respirator under chin, with nosepiece up.
3. Locate the each strap around each ear
4. Using both hands, mould noseclip to the shape of the nose to ensure a close fit and good seal. Pinching the noseclip using only one hand may result in less effective respirator performance.
5. Check the strips, they should't be twisted.
6. The seal of the respirator on the face should be fit-checked before entering the workplace.

Figure 1:



Warnings and Use Limitations

Always be sure that the complete product is: - Suitable for the application;

- Fitted correctly;
 - Worn during all periods of exposure;
 - Replaced when necessary.
- It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit then do not enter contaminated area. See your supervisor.
 - Inspect respirator before each use to ensure it is in good working condition. Examine all the respirator parts for signs of damage including the two straps, noseclip, nose foam and staples. The respirator should be disposed of immediately upon observation of damaged or missing parts. The respirator should be disposed of immediately upon observation of damaged or missing parts.
 - Leave the contaminated area immediately and contact supervisor if dizziness, irritation or other distress occurs.
 - Dispose of used product in accordance with applicable regulations.
 - All respirators should be used in accordance with local regulations.
 - Do not alter, repair, wash, and abuse or misuse the respirator.
 - Do not use with beards or other facial hair or conditions that prevent a good seal between the face and the sealing edge of the respirator.
 - The respirator can help protect the wearer's lungs against certain airborne contaminants; however, it will not prevent entry through other routes such as the skin or eyes, which would require additional personal protective equipment (PPE).
 - The respirator is designed for occupational/professional use by adults who are properly trained in it's use and limitations. The respirator is not designed to be used by children.
 - Individuals with a compromised respiratory system, such as asthma or emphysema, should consult a physician and complete a medical evaluation prior to use.
 - Maximum Operating Temperature: +50 degrees Celsius.
 - The filtration efficiency of the respirator may decrease in the presence of oily mists.

Storage and Transportation

Shelf life of the unopened product is five (5) years from date of manufacture when stored within temperature range of -20°C to +30°C and at less than 80% relative humidity. End of shelf life date is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life. When storing or transporting this product use original packaging provided.

Warning

Respirators must not be used until your employer has determined whether usage will be in accordance with manufacturers instructions. The wearer must be trained in the proper fitting and use of this product. Failure to follow all instructions and warnings on the use of this product and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and result in illness or death. It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit, do not enter contaminated areas. Do not use with beards or other facial hair or conditions that prevent a good seal between the face and the sealing surface of the respirator.

Important Notice

To the extent permitted by law, Vitalife shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by Vitalife. Nothing in this statement will be deemed to exclude or restrict Vitalife's liability for death or personal injury arising from its negligence.