

Before wearing the mask, this instruction manual must be read carefully. Always follow these instructions and keep them easily accessible while wearing the protective equipment. In the case of improper use and non-compliance with the manufacturer's instructions, no liability can be assumed by the manufacturer for any resulting damage.

Information about application, purpose, and risk assessment:

- The protective effect may decrease if the mask is not used according to the instructions. Diseases or permanent damage may result.
- Before use, the mask must be checked for defects as well as for damage, dirt, and leaks. Only a mask in original condition can fulfill its protective effect.
- Do not use masks that have exceeded the expiration date.
- The mask required for this use must be selected by a safety specialist. The person wearing the mask must be adequately trained before using the PPE.
- Wearing of the mask is only permitted if a proper fit on the face is guaranteed.
- Facial hair as well as special facial characteristics may reduce the effectiveness of the mask.
- The mask must be put on before entering the hazard area and must be removed only after leaving the hazard area.
- The mask does not offer protection against gases, toxins, vapours, solvents or oxygen depletion.
- Do not use in case of unknown type and/or concentration of a hazardous substance.
- Do not use in a potentially explosive atmosphere and/or oxygen-depleted environment.
- Wear the masks only in a sufficiently ventilated environment and not while breathing heavily or sleeping.
- Do not use in case of alteration to original condition.
- In case of contamination, leakage, damage to the mask or increase in respiratory resistance, the mask must be changed immediately. To do this, leave the hazard area.
- In case of discomfort or side effects during use, leave the hazard area immediately and then immediately discontinue wearing the mask.
- People with pre-existing conditions such as cardiovascular disease and impaired lung function should use the mask with caution.

Filtering half-masks that protect against particulates:

Filtering half-masks are classified into three types according to their filtering capacities: FFP1, FFP2 and FFP3. Before reading this information, please check which category your mask belongs to. You will find this information on the mask and on the packaging.












It is the responsibility of the user to ensure that the breathing apparatus corresponds to the required level of protection with respect to hazardous substances and concentrations in the area, in which it is to be worn.

Technical information according to DIN EN 149:2009:			
Validation tests	FFP1	FFP2	FFP3
Total inward-facing leakage	≤ 22%	≤ 8%	≤ 2%
Initial filter penetration and after loading with 120 mg NaCl and paraffin oil	≤ 20%	≤ 6%	≤ 1%
Respiratory resistance during inhalation 30 l/min	≤ 0.6 mbar	≤ 0.7 mbar	≤ 1.0 mbar
Respiratory resistance during inhalation 95 l/min	≤ 2.1 mbar	≤ 2.4 mbar	≤ 3.0 mbar
Respiratory resistance during exhalation 160 l/min	≤ 3.0 mbar	≤ 3.0 mbar	≤ 3.0 mbar

Labelling of PPE:

Following markings are applicable for respirator masks in addition to the protection class:

- R = reusable
NR = not reusable (to be used during only one work shift)
D = meets the dolomite dust test requirements

Masks labelling / primary / secondary packaging:	
Brand labels	Brand description
TC-2020a	Item No.
TC-001	Type
FFP2 NR	Indication of the level of protection
Particle filtering half mask	Manufacturer's article name
CE 2163	CE mark and four-digit number of the testing institute responsible for carrying out the type-examination and supervising the manufacturer's quality assurance.
EN 149:2001+A1:2009	Numbers of relevant European PPE standards
	Manufacturer
	Production date (month/year)
	Expiration date (month/year)
	Caution, consult accompanying documents
	Consult instructions for use.
	Non-reusable
	Non-sterile
	<80% maximum relative humidity during storage
	Temperature range during storage
	Instructions for recycling product packaging.
	Please dispose in an appropriate manner

Declaration:





CE This product is a CE certified Category III Personal Protective Equipment (PPE). The product thus complies with the applicable requirements of Regulation (EU) 2016/425.






Individual item dimensions/weight				
Size	Length in cm	Width in cm	Height in cm	Weight in g
One-size-fits-all	16.0	10.6	0.6	7.3

Packaging specifications (carton):					
Size	Weight in g	Weight with content in g	Width in cm	Depth in cm	Height in cm
Contains 50 masks	83	465	14.5	12.5	25.0

The above values from both tables are averaged and may be subject to slight fluctuations.

Replacement instructions:
Wash hands thoroughly with soap before putting on and after taking off the mask and avoid touching the face

- A**  Unfold the mask and hold it by the ear bands with the noseband facing upwards.
- B**  Place the mask over the chin on her face and attach the ear bands behind the ears. Make sure the noseband is on the nasal bone.
- C**  Adjust the noseband with both hands to properly fit the shape of your nose thus providing optimal sealing and secure fit in the nose area.
- D**  Check that the mask is close to your face. To do this, enclose the mask with both hands and exhale rapidly. In case of leakage, adjust the position of the mask and the noseband again to your face shape. If you cannot ensure a proper sealing of the mask on your face, do not enter the hazard area.

Maintenance:		
 Do not wash	 Don't bleach	 Do not dry in the drum dryer
 Do not iron	 Do not dry clean	

Storage and aging:

- The product should be stored in the original packaging, in a cool and dry place at a temperature between -10 and +40°C and a relative humidity below 80%.
- Keep away from sunlight.
- Keep away from heat and ignition sources.
- If stored properly, the maximum shelf life is 2 years.
- The packaging of the product is marked with the date of production and expiry date (month/year).

Disposal:

- Used masks may be contaminated by environmentally harmful or dangerous substances.
- Disposal is to be carried out in accordance with the nationally and locally applicable requirements.

Health risks:

- If the mask is contaminated with hazardous materials, the hazardous area must be left immediately and the mask must then be removed from the face and disposed.
- Allergic reactions to mask components are not known. However, in case of allergic reaction or sensitivity to the mask due to prolonged wearing, remove the mask and consult a physician and/or dermatologist.

Hazardous components:

- The product is manufactured in accordance with Annex XVII of the European REACH Regulation 1907/2006.
- Hazardous substances in concentrations subject to declaration are not contained in the product.

Notified body responsible for carrying out the EU-Type examination and for monitoring product's quality:

Universal Certification and Surveillance Service Trade Ltd. Co., Necip Fazıl Bulvarı Keyap Sitesi E2 Blok No: 44/84 Yukarı Dudullu, Ümraniye-İstanbul, Türkiye, NB:2163

The full declaration of conformity and the manufacturer's information can be found at:

www.tungsten-consulting.de — www.tungsten-consulting.de/produkt/zertifikate

Disclaimer:

This TC product as well as the related and previously listed information have been manufactured/made to the best of our knowledge. TC reserves the right to revise these information as well as its own product. Nevertheless, TC assumes no legal liability or responsibility for the accuracy or completeness of any information contained in this document. This TC product complies with the technical standard requirements listed above. All information presented in this document refer exclusively to this TC product and cannot be transferred to other products. Any use of the TC product that is not in accordance with the information presented in this document is solely at the user's own risk.

In addition to compliance with the above information, the user is also responsible for compliance with all other generally applicable safety regulations and guidelines. The selection of the PPE must be made independently by the user according to the respective requirements of the workplace, the nature of the hazard and the relevant environmental conditions. It is the user's responsibility to determine whether the TC product is suitable for the user's particular purpose or not. TC is not responsible for any improper use of the TC product in general. Likewise, TC shall in no event be liable for (i) any improper use of TC products, (ii) any effects of any kind that may result there from, or (iii) any damages not attributable to TC.

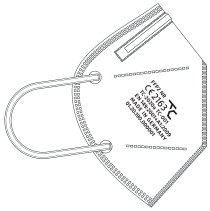
TC-2020a


Expiration date (BBD): February 2023

Production date: February 2021

Particle filtering half mask

Technical data sheet



Manufacturer:	Tungsten Consulting GmbH 	
Article:	TC-2020a TC-001	
Model:	FFP2 NR Filtering half mask	
Filter area:	P – Particles	
PSA category:	PPE cat. III – includes hazards that may cause very serious consequences such as death or irreversible damage to health, in accordance with PPE Regulation (EU) 2016/425, Annex I (published in the Official Journal of the EU)	
Standard:	DIN EN 149:2001 + A1:2009	
Material:	Color: white Nose band: HDPE-coated galvanized wire	Nonwoven materials: polypropylene (PP) and polyester (PES) Ear bands: 60% polyamide (PA), 40% elastane (EL), latex-free
Transport packaging:	24 folding boxes = 1200 masks/cardboard box; or other sizes like 1000 or 2000 masks/cardboard box with the respective number of packages	
Secondary packaging:	Foil bags of various sizes with 1, 2, 3, 5, 6, 10, 15, 20, 25, 50 masks. Partially packed in folding boxes, e.g. 50 masks per foil bag in a folding box.	
Primary packaging:	Foil bags of different sizes with 1, 2, 3, 5, 6, 10, 15, 20, 25, 50 masks, e.g. 1 mask in foil bag, 6 masks in foil bag or 50 masks in foil bag.	
Properties:	FFP2 NR particle-filtering dust masks are not reusable (NR = non-reusable) and can only be worn for one working shift including breaks.	
Application:	Suitable for professional activities as well as leisure activities in enclosed spaces with sufficient ventilation and outdoors to protect the airways from solid and/or non-volatile liquid particles and dusts according to the FFP2 protection class.	