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

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.

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

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

Unfold the mask and hold it by the ear bands with the noseband facing upwards.

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.

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.

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 it must 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/B4 Yukarı Dudullu, Ümraniye-İstanbul, Türkei, NB:2163

The full declaration of conformity and the manufacturer's information can be found at:
www.tungsten-consulting.de or www.tungsten.berlin

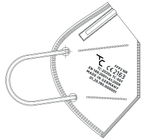
Disclaimer:

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

Partikel filtrierende Halbmaske

Technisches Datenblatt



Hersteller:	Tungsten Consulting GmbH TUNGSTEN CONSULTING
Artikel:	TC-2020a TC-001
Modell:	Filtrierende Halbmasken FFP2 NR
Filterbereich:	P – Partikel
Farbe:	weiß
PSA-Kategorie:	**PSA-Kat. III** – umfasst Risiken, die zu schwerwiegenden Folgen wie Tod oder irreversiblen Gesundheitsschäden führen können, nach PSA-Verordnung (EU) 2016/425, Anhang I (Fundstelle im Amtsblatt der Europäischen Union)
Norm:	**DIN EN 149:2001 + A1:2009**
Material:	Vliesmaterialien: Polypropylen (PP) und Polyester (PES) Nasenbügel: HDPE-bedeckter verzinkter Draht Ohrenbänder: 60% Polyamid (PA), 40% Elasthan (EL), Latexfrei
Umverpackung:	24 Faltschachteln = 1200 Masken/Karton; oder andere Größen wie 1000 oder 2000 Masken/Karton mit jeweiliger Anzahl an Faltschachteln
Verpackung:	10 Folienbeutel = 50 Masken/Faltschachtel; oder 50 Masken im Folienbeutel/Faltschachtel (= 50 Masken/Faltschachtel); oder 2x 50 Masken im Folienbeutel/Faltschachtel (= 100 Masken/Faltschachtel)
Unterverpackung:	5 Masken/Folienbeutel; oder 50 Masken im Folienbeutel

Eigenschaften: FFP2 NR partikelfiltrierende Feinstaubmasken sind nicht wiederverwendbar (NR = non-reusable), nur für eine Arbeitsschicht einschließlich Pausen benutzbar.

Einsatzbereiche: Geeignet für berufliche Tätigkeiten sowie Freizeitaktivitäten in geschlossenen Räumen mit ausreichend Belüftung und im Außenbereich zum Schutz der Atemwege vor festen und/oder nicht flüchtigen flüssigen Partikeln und Stäuben entsprechend der FFP2 Schutzklasse.