

FFP1 NR D

>> Type of uses (\*)

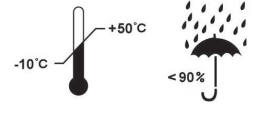
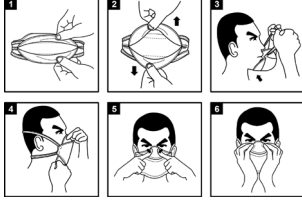
**FFP1:** Protection against solid and liquid aerosols (eg. Mist of oil) non-toxic in concentrations up to 4.5 x MAC/OEL/TLV or 4 x APF. Protection for example against cotton, flour, cellulose, cement, mineral and vegetable oils, soft wood, pollen... Can be used in construction sector, handicrafts, textile and food industries, DIY...

MAC = Maximum Admissible Concentration OEL = Occupational Exposure Limite TLV = Treshold Limit Value APF = Assigned Protection Factor

>> Technical features

- ✓ **Designation :** Premium filtering face-piece respirator. Filters solid and liquid aerosols. Single-use (NR). **3 panels design.** Latex free double elastic band. Adjustable invisible nosepiece to minimise leakage but maximise comfort. Comfortable nose foam pad. Horizontal fold-flat. Exhalation valve.
- ✓ **Material :** non-woven polypropylene.
- ✓ **Color :** white.
- ✓ **Classification :** FFP1 NR D.
- ✓ **Lifespan :** if stored under the conditions of storage, up to 5 years from the date of manufacture.
- ✓ **Packing:** - carton de 12 boxes.  
- customized box of 20 pieces.  
- each mask under individual polybag.

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>> Main advantages

- ✓ Comfort and safety improved thanks to the ideal concept in 3 panels of this equipment. Large volume and exhalation valve improving the breathing of the user and decreasing the fatigue at work.
- ✓ Foldable design and easy carry/storage. Individually hygienically packed.
- ✓ Sealed edge avoids fluffy open layers and eliminates the possibility of irritation.
- ✓ Soft edges can fit different facial shapes with minimum leakage. Exhalation valve lessens heat build-up and provides greater comfort.
- ✓ Light wear and comfortable. Easy breathing/Speaking. Clear vision. Free maintenance (disposable item).
- ✓ Passes EN 149:2001 optional Dolomite (symbol « D ») clogging test for more comfortable breathing and high reliability.
- ✓ Smooth lining in polypropylene. Comfortable nose foam pad.
- ✓ Reliability of an ISO 9001 manufacturing.
- ✓ ISO 14001 Environmental Management system to be more environmentally friendly.

>> Conformity

This product has been tested according to the following European Standard:

- **EN 149: 2001 +A1: 2009.** Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking.

It complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment (PPE). **Category III.**

EU type examination certificate (**module B**) issued by **BSI (Nederlands)**. Notified body **n°2797**.

The PPE is subject to the conformity assessment procedure based on internal production control plus supervised product checks at random intervals (**Module C2**) set out in Annex VII under surveillance of **BSI**. Notified body **n°2797**.

Download the EU declaration of conformity on: <http://docs.singer.fr>

EN149: requirements	FFP1	FFP2	FFP3
Total inward leakage	< 22%	< 8%	< 2%
Maximum penetration of test aerosol (Sodium chloride or paraffin oil)	< 20%	< 6%	< 1%
Breathing resistance			
- inhalation (30 l/min)	< 0,6 mbar	<0,7 mbar	< 1,0 mbar
- inhalation (95 l/min)	< 2,1 mbar	< 2,4 mbar	< 3,0 mbar
- exhalation (160 l/min)	< 3,0 mbar	< 3,0 mbar	< 3,0 mbar



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