Technical Datasheet

IMD Particle Filtering Half Mask DM9501

Description

The IMD Particle Filtering Half Mask DM9501 provide effective respiratory protection for use in industries where workers will be exposed to dust particles and/or non-volatile liquid particles.

- Tested and CE Approved to EN 149:2001+A1:2009
- Foldable, easy to store, three-dimensional custom-design accommodates facial movement for wearer comfort
- Two layers high quality melt-blown filter fiber maintain at least 94% filtering efficiency and low respiratory resistance
- Seamless fitting for all-round protection
- Wider elastic nose strip reduces the tenderness pain on the nose
- Comfortable ultra-sonic welding around the chin, no irritation to the skin and comfortable to wear
- Wider knitted ear lanyard, comfortable and breathable to extended wear
- Individual hygienic packaging helps protect the respirator from contamination before use

Approvals
This products meet the requirements of the Regulation: (EU) 2016/425 and are thus CE marked.

Standards
These products meet the requirements of recently amended European Standard EN 149:2001+A1:2009, filtering facepiece respirators for use against particles. They should be used to protect the wearer from solid and non-volatile liquid particles only.
Products are classified by filtering efficiency and maximum total inward leakage performance (FFP1, FFP2 and FFP3), also by usability and clogging resistance.
Performance tests in this standard include filter penetration; extended exposure (loading) test; flammability; breathing resistance and total inward leakage. Reusable products are also subjected to cleaning, storage and mandatory clogging resistance tests (clogging is optional for non-reusable products). A full copy of EN:149:2001+A1:2009 can be purchased from your national standards body.

Designations:
R=Reusable
NR=Non reusable (single shift use only)
D=Meets the clogging resistance requirements

Applications
The respirator is suitable for use in concentration of solid and non-volatile liquid particles up to the following limits:

Model	EN 149+A1 Classification	Exhalation Valve	Threshold Limit Value, TLV
DM9501	FFP2 NR	Unvalved	12

Respiratory protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to hazards.

Materials
The following materials are used in the production of IMD Particulate Respirator DM9501:

Head Strap	Polyester
Nose Clip	Iron wire coated with PE
Filter	Polyproylene
Retaining Clip	Polyproylene

These products do not contain components made from natural rubber latex.

Maximum mass of products:
- Unvalved (DM9501)=4.6g

Fitting Instruction:
1. Place fingers along the mask and ear lanyard while keep the nose clip on top. Gently open the mask and nose clip to keep the mask in almost full open form.
2. Attach the retaining clip into one side of ear lanyard as shown in Fig. 1b.
3. Place the mask in position to completely cover the nose and mouth.
4. Pull the ear lanyard behind the head and fasten the other side ear lanyard into retaining clip as shown in Fig. 1e.
5. As shown in Fig. 2, users can choose the appropriate methods to adjust the tightness of the ear lanyard by attaching to different position on the clip.
6. Gently adjust the nose clip to keep it tightly against the face.
7. Cover the front of the mask with both hands to perform seal check as shown in Fig 1g. Please see Seal Check section for detailed instructions.



Fig. 1 Fitting Instruction

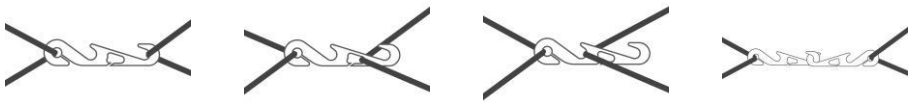

Fig. 2 Retaining Clip Use Schematics

Seal Check:
1. Cover the front of the mask with both hands (Fig. 1g) and exhale sharply. Be careful not to disturb the fit of the mask.
2. If air leaks around nose, re-adjust the nose strip to eliminate leakage. Repeat the above seal check.
3. If air leaks at the mask edges, work the straps back along the sides of the head to eliminate leakage. Repeat the above seal check.
4. Change the mask if a proper face seal cannot be achieved.

5. Change the mask immediately if breathing becomes difficult or mask becomes damaged or distorted.
6. Careful observance these instructions is an important step in safe respirator use.

User Instructions:

1. Failure to follow all instructions and limitations could seriously reduce the effectiveness of this mask and could lead to illness, injury or death.
2. A properly selected mask is essential, before occupational use, the wearer must be trained by the employer in the correct use of the mask in accordance with applicable safety and health standards.
3. This mask does not supply oxygen. Use it in adequately ventilated and where containing sufficient oxygen to support life.
4. Discard the mask and replace with a new one if:
   a) Excessive clogging of the mask causes breathing difficulty.
   b) The mask become damaged.
5. Leave the contaminated area if dizziness, irritation or other distress occurs.

Storage and Transportation

The IMD Particulate Respirators DM9501 have a shelf life of 3 years. End of shelf life is marked on the product packaging. Product should be stored in clean, dry conditions within the temperature range: -20℃ to +40℃ with a maximum relative humidity of <80%. When storing or transporting this product use original packaging provided.

Disposal

Contaminated products should be disposed as hazardous waste in accordance with national regulations.

Warning and Limitations:

1. Do not use this mask or enter or stay in a contaminated area under the following circumstance:
   a) Atmosphere contains less than 19.5% oxygen.
   b) If you smell or taste contaminant.
   c) For protection against gases or vapors.
   d) Contaminants or their concentrations are unknown or immediately dangerous to life or health.
   e) For sandblasting, paint-spray operations and asbestos.
   f) In explosive atmospheres.
2. Do not modify or mis-use the mask.
3. Do not use the mask with facial hair or any other conditions that may prevent a good face-seal, the requirements for leakage will be achieved.
4. This mask helps protect against certain particulate contaminants but does not eliminate exposure to out the risk of contracting disease or infection. Misuse may result to sickness or death.
5. This mask marked “NR”, shall not be used for more than one shift.
6. This mask is not suitable for users have an ear that has been damaged.



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