

## 9504IN & 9504INV Disposable Respirator

### Main Features

The 3M 9504IN & 9504INV respirators provide lightweight, effective, comfortable and hygienic respiratory protection against dusts and mists. The convex shape, twin strap design and soft aluminum nose clip ensure a good face seal over a wide range of face sizes. It has high efficient filter media to ensure adequate respiratory protection. The unique valve model (9504INV) offers durable comfortable protection particularly in hot and humid conditions. The 3M 9504 IN & 9504 INV are "Disposable Respirator". There is no Maintenance cost associated with this products.

### Applications

- Rubber/Plastics
- Paint Manufacture
- Pharmaceuticals
- Laboratories
- Market Gardening
- Quarrying
- Engineering
- Agrochemicals
- Agriculture

### Approvals

Meets the performance requirements of the European standard for filtering facepiece dust respirators; EN 149: 2001 FFP2

The products are Certified IS 9473: 2002 FFP2

### Standards

The product has been tested to the EN 149 P2 regulation and has met the requirements of category P2 in this standard. It is also approved by Bureau of Indian Standard for FFP2. It has ISI Mark on it. The main performance tests in this standard are:

- **Filter Penetration & Total Inward Leakage**
- **Flammability**
- **Exhalation and Inhalation Resistance**
- **Performance**



The 9504IN & 9504INV are at least 94% efficient against fine dusts, water & oil based and non-volatile liquid aerosols down to 0.1 micron. Its Penetration is lower than 6% and pressure drop is lower than 21 mm of H<sub>2</sub>O.

### Materials

The following materials are used in this product

- |                |   |                   |
|----------------|---|-------------------|
| • Straps       | - | Elastomer         |
| • Nose-clip    | - | Aluminium         |
| • Filter/shell | - | Polypropylene     |
| • Nose Foam    | - | Polyethylene Foam |

### Warnings

- As with the use of any respiratory device, the wearer must first be trained in the proper use and fit of the product.
- This product is not be used in explosive environment.
- This product also protects the wearer against particulates from various operations. But it does not protect in atmospheres containing less than 19.5% oxygen.
- Use only in adequately ventilated areas containing sufficient oxygen to support life.
- Do not use when concentrations of contaminants are immediately dangerous to life or health.
- Leave the area immediately if:
  - \* breathing becomes difficult
  - \* dizziness or other distress occurs
- Discard and replace respirator if it becomes damaged, breathing resistance becomes excessive, or at the end of one shift.
- Never alter or modify this device.



# 3M™ 9504 INV Disposable Respirator, EN/BIS FFP2

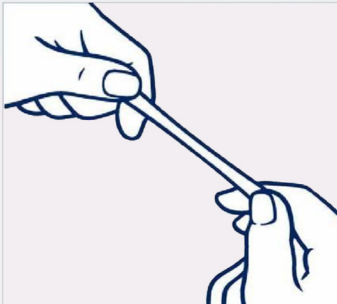
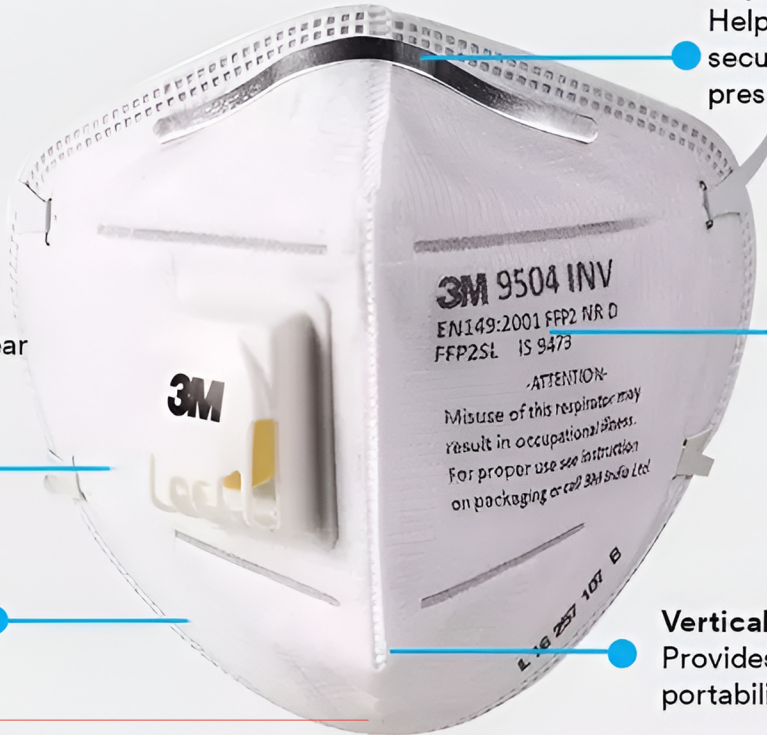
**3M Cool Flow Valve**  
Effectively removes heat build up to provide a cooler and more comfortable wear

**Light Weight Design**

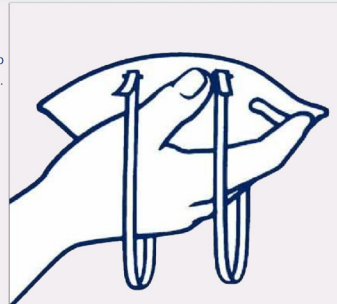
**Adjustable M-Nose clip**  
Helps provide a custom, secure seal with fewer pressure point

**P2 Respirator**  
Offers 94% effective protection against dust & mist

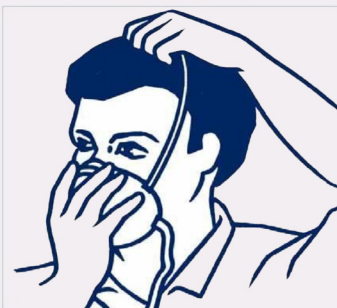
**Vertical Flat Fold Design**  
Provides convenient portability



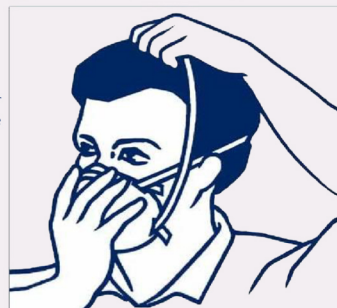
1. First check the strap condition and entire respirator.



2. Open the flat fold respirator and keep the respirator in your hand with the nose-piece at your fingertips allowing the headbands to hang freely below your hand.



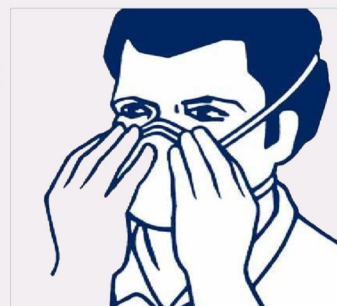
3. Position the respirator under your chin with the nosepiece up.



4. Pull the top strap over your head resting it high at the top back of your head. Pull the bottom strap over your head and position it around the neck below the ears



5. Place the fingertips of both hands at the top of the metal nosepiece. Mould the nosepiece to the shape of your nose by pushing inward, while moving your fingertips down both sides of the nosepiece. Pinching the nosepiece using one hand may result in less effective respirator performance.



6. The seal of the respirator on the face should be fit-checked prior to wearing in the work area. Cover the front of the respirator with both hands, being careful not to disturb the position of respirator and/or tension of strap. Positive pressure should be felt inside the respirator. If any leakage is detected, adjust position of respirator and/or tension of strap. Retest the seal. Repeat the procedure until the respirator is sealed properly.



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