

## TECHNICAL DATASHEET RSG MISTRAL SERIES PARTICULATE RESPIRATORS

### Discription



Manufactured in the Netherlands containing only raw materials out of Europe. Easily applied flat fold styled disposable respirators. Both single use face masks are available with and without an exhalation valve.

The RSG filtering face pieces and particulate respirators meet the European Standard EN149:2001 + A1:2009 in FFP1, FFP2, and FFP3 classes of particulate filter efficiency. RSG **maintenance free single use filtering respirators** provide cost effective respiratory protection in hazardous workplaces and laboratories across a wide range of industries.

- Manufactured in the Netherlands with ultra-modern and fully automated machines.
- All raw materials are manufactured in Europe.
- Lowers your ecological footprint and supports local industry.
- The mask provides effective filtration with very low breathing resistance for consistent high quality performance.
- Collapse resistant; ideal for work in warm and humid environments.
- Secured fit- stays securely in place - thus helping to provide a good, comfortable seal.
- Dolomite dust test provides proven protection and comfort for a minimum of 8 hours.
- Soft foaming on the inside of the mask feels comfortable on the skin.
- Specially designed nose dip which keeps it's flexibility even after prolonged usage and fits any nose shape or size.
- Elastic cotton headbands do not cause skin irritation and will not lose flexibility or pressure in hot or cold working conditions.
- The special designed exhalation valve works efficiently to reduce the heat inside the mask and provides comfortable use in hot and humid conditions.
- Comfortable and easy to use for workers with a wide variety of work security equipment such as helmets, safety glasses, ear plugs etc.
- Extremely lightweight.

### Aproval

These products comply with the EU 2016/425 Regulation for Personal Protective Equipment and are thus CE marked.

Product approval by: APAVE SUDEUROPE SAS – France - Notified Body number 0082  
Production Control Module D: DEKRA Testing & Certification; Germany - Notified Body nr. 0185  
Marking on the product: EN149:2001+A1:2009 CE0082

### Standards

These products meet the requirements of the 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.

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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**

These respirators are suitable for use in concentrations of solid and non-volatile liquid particles up to the following limits:

Model EN 149:2001+A1:2009	Classification	Exhalation Valve	Nominal Protection Factor
<b>20 24 10</b>	FFP1 NR D	No	4
<b>20 24 15</b>	FFP1 NR D	Yes	4
<b>20 24 20</b>	FFP2 NR D	No	12
<b>20 24 25</b>	FFP2 NR D	Yes	12
<b>20 24 30</b>	FFP3 NR D	No	50
<b>20 24 35</b>	FFP3 NR D	Yes	50

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

**Part**

- Straps
- Nose Foam
- Nose Clip
- Filter media
- Valve
- Valve diaphragm
- Polybag
- Packaging

**Materials**

- Elastic cotton textile
- Polyurethane
- Aluminium
- Polypropylene
- Polypropylene
- Thermoplastic Elastomer
- Polypropylene
- Recycled paper

**Country of Origin**

- France
- The Netherlands
- The Netherlands
- Germany / France
- The Netherlands
- The Netherlands
- Germany
- The Netherlands



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

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#### Maximum mass of products:

20 24 10 = 9g  
20 24 15 = 12g  
20 24 20 = 9g  
20 24 25 = 12g  
20 24 30 = 10g  
20 24 35 = 12g



#### Fitting Instructions

See Figure 1.

Before fitting device, ensure hands are clean. All respirator components should be inspected for damage prior to each use.

Figure 1:



Hold the respirator in hand with the nosepiece at your fingertips. Allow headbands to hang freely below hand.

1. Cup the respirator firmly against your face with the nosepiece on the bridge of your nose.
2. Stretch and pull the lower headband over the head and position below your ears. Stretch and pull the top headband on the back of your head above your ears
3. Press soft nosepiece to conform snugly around the nose.
4. To test fit for respirator without exhalation valve: cup both hands over the respirator and inhale sharply. A negative pressure should be felt inside respirator. If air flows around your nose, tighten the nosepiece. If air leaks around the edges, reposition the headband for better fit.

#### Fit check

1. Cover the front of the respirator with both hands being careful not to disturb the fit of the respirator.
  - (a) UNVALVED respirator - EXHALE sharply;
  - (b) VALVED respirator - INHALE sharply.
2. If air leaks around the nose, re-adjust the nose clip to eliminate leakage. Repeat the above fit check.
3. If air leaks at the respirator edges, work the straps back along the sides of the head to eliminate leakage. Repeat the above fit check.

If you CANNOT achieve a proper fit DO NOT enter the hazardous area. See your supervisor.

Users should be fit tested in accordance with national requirements.

For information regarding fit testing procedures, please contact RSG Safety BV: [www.rsgsafety.com](http://www.rsgsafety.com)

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#### **Storage & Transportation**

The RSG C Series Particulate Respirators have a shelf life of 5 years. End of shelf life is marked on the product packaging. Product should be stored in clean, dry conditions within the temperature range: – 5°C to + 25°C 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.

#### **Warnings & Limitations**

Always be sure that the complete product is:

- Suitable for the application;
- Fitted correctly;
- Worn during all periods of exposure;
- Replaced when necessary.
- Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer from certain airborne contaminants.
- Failure to follow all instructions on the use of these respiratory protection products and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearer's health, lead to severe or life threatening illness or permanent disability.
- For suitability and proper use follow local regulations, refer to all information supplied or contact a safety professional/RSG Safety BV: [www.rsgsafety.com](http://www.rsgsafety.com).
- Before use, the wearer must be trained in use of the complete product in accordance with applicable Health and Safety standards/guidance.
- These products do not contain components made from natural rubber latex.
- These products do not protect against gases/vapours.
- Do not use in atmospheres containing less than 19.5% oxygen. Note: Individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt.
- Do not use for respiratory protection against atmospheric contaminants/concentrations which are unknown or immediately dangerous to life and health (IDLH).
- Do not use with beards or other facial hair that may inhibit contact between the face and the product thus preventing a good seal.
- Leave the contaminated area immediately if:
  - Breathing becomes difficult.
  - Dizziness or other distress occurs.
- Discard and replace the respirator if it becomes damaged, breathing resistance becomes excessive or at the end of the shift.
- Do not alter, modify, clean or repair this respirator.
- In case of intended use in explosive atmospheres, contact RSG Safety BV: [www.rsgsafety.com](http://www.rsgsafety.com)
- Before initial use, always check that the product is within the stated shelf life (use by date).

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**Respirators Range**



20 24 10



20 24 15



20 24 20



20 24 25



20 24 30



20 24 35