



## TECHNICAL DATASHEET

### RSG FS SERIES PARTICULATE RESPIRATORS

#### Description

The RSG FS Series Particulate Respirators 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, the 7 dynamic parts of the mask provide excellent facial movement with maximum comfort.
- The respirator provides effective filtration with low breathing resistance for consistent high quality performance
- Dolomite dust test provides proven protection and comfort for a minimum of 8 hours.
- Collapse resistant; ideal for work in warm and humid environments.
- Stays securely in place - thus helping to provide a good, comfortable seal.
- 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.

#### Approvals

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked.

89/686/EG: European guideline for Personal protective devices (89/686/EG)

Product approval by: INSPEC International Ltd - Notified Body number 0121

Production Control 11A: CIOP-Notified Body number 1437

Marking on the product: EN149:2001+A1:2009 CE1437

#### 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

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
209210	FFP1 NR D	No	4
209220	FFP2 NR D	No	12
209225	FFP2 NR D	Yes	12
209227	FFP2 NR D	Yes	12
209235	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.

### Materials

- Straps Elastic cotton textile
- Staples Steel
- Nose Foa Polyurethane
- Nose Clip Aluminium
- Filter Polypropylene
- Valve\* Polypropylene
- Valve diaphragm\* Polyisoprene

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

### Maximum mass of products:

- 209210 = 11g
- 209220 = 11g
- 209225 = 15g
- 209227 = 15g
- 209235 = 15g

### Fitting Instructions

See Figure 1.

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

1. Hold the respirator in hand with the nosepiece at your fingertips. Allow headbands to hang freely below hand.
2. Cup the respirator firmly against your face with the nosepiece on the bridge of your nose.
3. 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
4. Press soft nosepiece to conform snugly around the nose.
5. 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.
2. (a) UNVALVED respirator - EXHALE sharply;  
1. (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)

### Respirators Range

209210

209220

209225

209227

209235

### Storage and Transportation

The RSG FS 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: - 20°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 and Use 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).



209210



209220



209225



209225A



209225B



209227



209235



209235A