

:: Star Mask

paint spray respirator

CHARACTERISTICS

Star Mask is a respirator with exchangeable pre-filters and gas-filters. Star Mask protects against mist of paint, lacquer, enamel, pesticide, organic vapour and dust and is approved according to CE standards CE 0194/ EN 140:198; EN 143:2004 and A1:2008. The replaceable filter system ensures maximum protection, also in a long term employment.

APPLICATION

The CARSYSTEM Star Mask Series facepieces meet the requirements of the approved standard EN140. The vapour/gas filter cartridges and particulate cartridges meet the requirements of the respective approved standard EN14387:2004+A1:2008. The filter pads meet the requirements of the approved standard EN14387:2004+A1:2008 only when used in conjunction with vapour/gas cartridges.

141.224 Filter cartridge protection class A2

Organic vapours, with boiling point above 65°C, to 50X OEL or 1000 ppm, whichever is the lower.

141.154 Prefilter protection class P2SL

For usage as in above categories and against dusts and liquid based aerosols to 10X OEL.

HANDLING

Inspection Procedure

This respirator must be inspected before use to ensure it is in good condition. If any damaged or defective parts are noticed the respirator should be discarded and a new one obtained. The following procedure is recommended.

1. Check the facepiece for cracks, tears and dirt. Make certain the facepiece, especially the face seal area, is not distorted. The material must be pliable - not stiff.
2. Examine all plastic parts for signs of cracking or fatiguing making sure the gaskets are properly seated.
3. Examine the exhalation valve for signs of distortion, tearing or cracking. Lift valve and inspect valve seat for dirt or cracking. See maintenance instructions on method of removing and replacing the head harness yoke for access to the valve.
4. Examine the inhalation valves for signs of distortion, cracking or tearing. Lift valves and inspect valve seats for dirt or cracking.
5. Examine that the head straps are intact and have elasticity.

Instructions for Assembling Respirator

Also see instructions for selected filter.

1. To attach the cartridges to the respirator, first make sure that the gaskets around the base of the holder are properly seated. If the gasket is twisted or out of its slot, the respirator may leak. Reset the gasket if necessary.
2. To attach the cartridges and prefilters to the respirator, first hold the respirator upright in one hand. With the other hand place the cartridge over the facepiece and align the notch markings on the cartridge base with similar marks on the harness near the front yoke. While pressing inward rotate the cartridge 1/4 turn until a click is felt. The cartridge should be securely attached at this time.



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3. Place the prefilters (if needed) on top of the cartridges. The printed side of the prefilter should face the cartridge.
4. Place the prefilter retainer over the filter and cartridge and press until the retainer snaps into place. Make sure that the retainer is secured properly and prefilter fully covers the cartridge or leakage may occur.

Fitting Instructions

To be followed each time respirator is worn.

1. Select most appropriate size of facepiece. Place the respirator over the mouth and nose (check that the top of the nosepiece aligns with the bridge of the nose, whilst the base of the facepiece fits under the chin and seal all around the facepiece makes contact with the skin on the face), then pull the head harness over the crown on the head.
2. Attach the bottom straps behind the neck.
3. Tighten top strap by pulling on ends to obtain a secure and comfortable fit.
4. Tighten bottom straps by pulling on ends or loosen by pushing out on buckle.
5. Fit check respirators every time you enter a contaminated area (see next page).

Maintenance, Assembly & Storage Instructions

A. Maintenance and Disassembly

1. The CARSYSTEM Respirator is considered a low-maintenance product. However, some cleaning is recommended after each use. Simple cleaning can be accomplished by wiping out with a dampened wipe. If a more substantial cleaning is desired, first disassemble by removing the cartridges, prefilters, headbands and

other removable parts. Head harness is removed by pushing in 4 retaining lugs on inner side of yoke and pulling off the yoke.

2. Clean and sanitize the mask and other parts (excluding filters and cartridges) by immersing in warm cleaning solution containing a mild or neutral detergent, at a temperature less than 50°C, and scrub with soft brush until clean. Do not use cleaners containing lanolin or other oils.

3. Rinse in fresh water and air dry in a noncontaminated atmosphere.

4. Respirator components, especially exhalation valve and seat, should be inspected. If any deterioration is noted, the assembly should be replaced with a new one.

B. Assembly Instructions

1. Replace respirator yoke and headstrap assembly (head harness towards nosepiece) by placing it over the facepiece so that with some pressure applied it will snap and lock into place over the exhalation valve.

2. Again make sure that every part is in its proper place and position. The inhalation and exhalation diaphragm valves are the same colour but are a different size and fastening method.

C. Storage Instructions

The respirator should be placed in its resealable bag and stored at ambient temperature in a dry, noncontaminated atmosphere that is protected against atmospheric contaminants. It is recommended that maintenance should be performed at monthly intervals (or every 3 months with infrequent usage) and records should be kept, but check regulatory standards.

Positive/Negative Facefit Instructions

Positive Pressure Facefit Check

Place palm of hand over exhalation valve cover and exhale gently. If the facepiece bulges slightly and no air leaks between the face and the facepiece are detected, fit is considered satisfactory. If face seal air leakage is detected, reposition the respirator on the face and/or adjust the tension of the elastic straps to eliminate the leakage. Repeat the above tests until a tight face seal is obtained.

Negative Pressure Facefit Check

Place palms of hands over the face of both cartridges to restrict air flow. Inhale gently. If you feel the facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper fit has been obtained. If face seal air leakage is detected, reposition the respirator on the face and/or adjust the tension of the straps to eliminate the air leakage. Repeat the above steps until a tight face seal is obtained.

- If you cannot obtain a proper facefit try another size of facepiece.
- If you still cannot obtain a proper facefit do not enter the contaminated area. See your supervisor.

PRECAUTIONS

WARNINGS - LIMITATIONS

1. This respirator must be used in accordance with a complete respirator programme which includes proper selection, fit testing and training in the wearing, fitting, cleaning and storing of the respirator. Otherwise, the protection given may be less than specified in the Product Selection Guide. Regulatory standards may set a lower protection level for this class of equipment.
2. Do not use this respirator when concentrations of contaminants are unknown, are

immediately dangerous to life and health, or when the concentrations exceed the limits given in the selection guide.

3. This respirator does not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen (or as set by regulatory authorities) or any atmosphere which is or may become immediately dangerous to life or health. Do not use in oxygen enriched atmospheres.
4. Leave the contaminated area immediately and replace respirator if: a) it becomes damaged; b) you taste or smell contaminates or an irritation occurs; c) breathing becomes difficult; d) dizziness or other distress occurs.
5. The prefilter pads are additionally required with the gas and vapour cartridges for certain dust, fumes, mists and sprays. For specific applications, consult an Occupational Hygienist or Safety Professional.
6. If you cannot obtain a proper facefit, do not enter the contaminated area. See your supervisor.
7. Do not use this respirator if you have a beard, facial hair or other physical characteristics that may prevent direct contact between the face and the edge of the respirator.
8. Do not abuse, misuse, modify or alter this respirator.
9. Only use for vapours and gases which have noticeable odours at levels below the OEL. The useful life of a cartridge or filter depends on the contaminant levels, work rate and other environmental factors. Discard and replace both cartridges and filters when odours can be tasted in the facepiece or breathing resistance becomes excessive. Ensure both are the same category.
10. The useful life of the vapour and gas filter cartridges may also depend on the number and types of different chemicals present in the atmosphere. For advice, consult an



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Occupational Hygienist or Safety Professional.

11. Store this respirator in a sealed container away from contaminated areas when not in use.

12. Do not use where the concentrations of contaminants may generate high reaction heat in combination with the chemical cartridge.

13. The equipment should not act as an ignition source but it should not be used in explosive atmospheres as the concentration of contaminants within normal flammability range would exceed the limits in the selection guide.

14. The respirator facepiece must be replaced after 6 months of usage or sooner if defects are found. It must also be discarded if shelf life has expired, ie within 5 years of manufacture. The manufacturing date is given on the clock located on the inside of the facepiece. Each digit in the inner segment represents the year. Each dot in outer segment represents the quarter (ie 3 months) with that year. For example, 3 dots in outer segment adjacent to the "14" means that the facepiece was manufactured in the third quarter 2014, between 1/7/14 - 30/9/14.

15. P2R prefilter can be used for more than one shift.

Important Notice to Purchaser

The following warranty is made in lieu of all other warranties expressed or implied, including but not limited to, the implied warranties of merchantability and fitness for purpose. Manufacturer warrants this product to be free from defects. Manufacturer's only obligation shall be, at out option, to replace any portion proving defective or to refund the purchase price thereof. **USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS INTENDED USE, AND ASSUME ALL RISKS AND LIABILITY IN CONNECTION THEREWITH.**



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SAFETY ISSUES

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Material Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

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