

**CleanAIR®**  
**72 03 00.01**  
**Protective**  
**Face Shield**  
**UniMask**



## Clean Air 72 03 00.01 Protective Face Shield UniMask User Manual

[Home](#) » [Clean Air](#) » Clean Air 72 03 00.01 Protective Face Shield UniMask User Manual 

### Contents

- 1 Clean Air 72 03 00.01 Protective Face Shield UniMask
- 2 Introduction
- 3 Limitations on use
- 4 Control and spare parts replacement
- 5 Cleaning and maintenance
- 6 Materials
- 7 Storage conditions
- 8 Warranty
- 9 List of products and spare parts
- 10 Approved combinations
- 11 How to adjust the airflow direction
- 12 How to change the visor
- 13 Documents / Resources
  - 13.1 References
- 14 Related Posts



Clean Air 72 03 00.01 Protective Face Shield UniMask



**Important** For your safety please read and remember the following instructions before use. If you have any questions, please contact the manufacturer or your distributor. Keep the manual for future reference.

## Introduction

- CleanAIR® UniMask is adapted for use with powered air-purifying respirators (hereinafter PAPR) CleanAIR or with continuous flow compressed air line breathing apparatuses (hereinafter “compressed air systems CleanAIR”) and thus protects the respiratory tract.
- The overpressure created in the headtop prevents contaminants from entering the breathing zone. This ensures the wearer’s comfort, even with long-term use. Breathing remains easy because the user does not have to overcome the resistance of the filter.
- UniMask provides respiratory protection and face protection against particles with high speed and high energy impact.
- If not sure about the suitability of the hood for a specific application, consult with the manufacturer or your supplier!

## Limitations on use

1. Never use the hood in the following environments and under the following conditions:
  - If oxygen concentration in the environment is lower than 17 %.
  - In oxygen-enriched environments.
  - In environments where the user lacks knowledge about the type of dangerous substances and their concentration.
  - In environments that represent an immediate danger to life and health.
2. If the protection foil is damaged, replace it immediately.
3. The hood does not protect against hard shocks, explosions, or corrosive substances.
4. Move to a secure location and take appropriate measures when any of the following problems occur while using

the hood:

- If you feel a significant increase in breathing resistance or any other problems with breathing.
  - If you experience stench, irritation, or an unpleasant taste while breathing.
  - If you feel unwell or experience nausea.
5. Use certified original filters designed for your powered air-purifying respirator only. Replace filters every time you detect a change of odor in supplied air from the respirator.
  6. Filters designed for capturing solid and liquid particles (particle filters) do not protect the user against any gases.
    - Filters designed for capturing gases do not protect the user against any particles. In the workplace contaminated with both particles and gases, combined filters must be used.
  7. The material of the hood can cause allergic reactions in sensitive persons.
  8. Pay attention to checking the product before use. Do not use, if any part of the system is damaged.
  9. Don't put the hood on a hot surface.
  10. This product is intended for use in environments with a temperature range of 0 °C to + 60 °C with relative humidity of 20 – 05 0 Rh.

## **Control and spare parts replacement**

### **Adjusting the airflow direction**

- By sliding the slider control knobs on the bottom front of the mask you can adjust the airflow in three ways (airflow on the visor from the top, on the visor from the bottom, and airflow toward the mouth).
- By closing both knobs all the airflow will enter from the top. By opening both knobs the airflow will be evenly divided between all openings when entering the mask.

### **Changing the exhalation valve membrane**

- Remove the plastic cover followed by the old membrane.
- Put the new membrane on the plastic pin in the original place. Put the plastic cover back.

### **Replacing the visor**

- Shift the visor locks on both sides up (open) and remove the visor.
- Place the new visor on the same spot and shift both locks on the sides back down (lock). Make sure the visor fits properly.

### **Removing the face seal**

- First, remove the visor, then remove the face seal by pushing it out of the mask using your thumbs. The easiest way is to start on the side, just above the visor locks.

### **Attaching the new face seal**

- Start by placing the face seal grooves into the grooves of the shield on the left side, making sure the triangular indicators on both parts match.

- Hold the parts in the right position with one hand while pushing the parts in the right position with the other hand, starting on the top, followed by the bottom, and finally the opposite side.
- Make sure the seal fits correctly onto the shield.

## Cleaning and maintenance

- The lifetime of the hood and visors is influenced by many factors such as cold, heat, chemicals, sunlight, or incorrect use.
- The hood should be checked daily for possible damage to its structure on the inside and the outside.
- Careful use and correct maintenance of the protective hood enhances operating life and improves your safety! Checking before use.
- Inspect that every part of the hood is undamaged and installed correctly.

### Cleaning:

- After each work shift, clean the hood, check individual parts, and replace damaged ones.
- Cleaning must be performed in a room with sufficient ventilation.
- Avoid inhalation of harmful contaminants settled on individual parts!
- For cleaning of plastic parts use lukewarm water (up to +40 °C) with soap or another non-abrasive detergent, and a soft brush.
- The face seal can be washed in a washing machine or dishwasher at a maximum temperature of 30 ° C. The face seal can be dried in a dryer at a speed not exceeding 800 rpm.
- Wash the face seal separately – it must be removed from the mask before maintenance.
- After cleaning individual parts with a damp cloth, it is necessary to rub them dry or let them dry at room temperature.
- Care for the visors and plastic parts, it is recommended to use the CleanAIR® @klar-pilot Fluids.
- Do not use acetone or other cleaning solvents!

## Materials

Part	Material
Hood	Polyamide
Faceseal	Neoprene or 3D polyamide knit
Visor TR1	Polycarbonate (PC) or amorphous polyamide (aPA)
Visor CR1	Cellulose propionate (CP) or polycarbonate(PC)/ PC+ABS

## Storage conditions

- Store the hood in a dry and clean place at room temperature, and avoid direct sunlight (temperature range from -10 °C to +55 °C) with relative humidity between 20 and 95 % Rh).

## Warranty

- The warranty ensures that you will receive a replacement if a product has any manufacturing or material defects that appear within 12 months of the date of purchase. The warranty claim must be reported to the sales department/retailer.
- At the same time, proof of purchase must be submitted (i.e. an invoice or certificate of delivery). The warranty can only be acknowledged if no interventions into the hood have been made.

## List of products and spare parts

**Table 1:** Product name and product code

Product code	Product Description
72 03 00.01	Protective face shield UniMask, grey
72 03 00.02	Protective face shield UniMask, blue
72 03 00.03	Protective face shield UniMask, orange
72 03 00.04	Protective face shield UniMask, red
72 03 00.08	Protective face shield UniMask, neoprene

**Table 2: List of spare parts**

Product code			Product Description
72 03 20/10			protection film UniMask, pack of 10 pcs
72 03 40			Headband UniMask
72	90	00	Spare visor TR1, clear
72	90	01	Spare visor TR1, yellow
72	90	03	Spare visor TR1, shade 3
72	90	05	Spare visor TR1, shade 5
72	90	90	Spare protective visor TR1, clear, aPA, chemically resistant
72	91	00	Spare visor CR1, clear, CP
72 03 50.01			Face seal UniMask, grey
72 03 50.02			Face seal UniMask, blue
72 03 50.03			Face seal UniMask, orange
72 03 50.04			Face seal UniMask, red
72 03 50.08			Face seal UniMask, neoprene
72 03 60			Protective hood UniMask, short
72 03 61			Protective hood UniMask, long
72 03 62			Protective hood UniMask, washable fabric

## Approved combinations

Product code	Product Description	Level of protection
30 00 00PA	AerGO®	TH3
51 M0 00FC	MedicAER	TH3
81 00 00PA	Basic	TH3
51 00 00FCA	Chemical 2F	TH3
52 00 00CFA	Chemical 3F	TH3
63 00 00	Pressure	2A
67 00 00	Pressure Flow Master	3B

- The level of protection is also ensured even if classic-rimmed glasses are used.

### These products are approved in compliance with the following standards:

- Notified body for the CE approval.
- **EN 12941:1998+A2:2008 & EN 14594:2005**
  - Occupational Safety Research Institute, v.v.i. Jeruzalemska 1283/9, 110 00 Prague 1, Czech Republic  
Notified body 1024
- **EN 166**
  - Institute for testing and certification, a.s.
  - Trída Tomáše Bati 299, 764 21 Zlin, Czech Republic Notified body 1023
  - Declaration of Conformity is available at: <https://www.clean-air.cz/doc>

### Markings and symbols according to EN 166:

**UniMask® frame marking:** EN 166 MS 3 4 5 9 FT B 5/2-5

UniMask® compatible visors marking			
Visor	Description	Visor marking	Field of use
72 90 00	TR1, clear PC	2C-1,2 MS 1 FT B 9 K N	3 4 5 9
72 90 01	TR1, yellow PC	2C-1,2 MS 1 FT B K N	3 4 5
72 90 03	TR1, shade 3 PC	3/2-3 MS 1 FT B K N	3 4 5
72 90 05	TR1, shade 5 PC	5/2-5 MS 1 FT B K N	3 4 5
72 90 90*	TR1, clear aPA	MS 1 FT	3 4
72 91 00	CR1, clear CP	MS 1 S N	3 4 5
72 91 01	CR1, clear PC	MS 1 FT	3 4 5

not suitable for use in the ATEX zone

Marking description	
MS	Manufacturer identification (MALINA – Safety s.r.o.)
166	Standard EN 166
3; 5	Shade number – welding filter (EN 169)
2C	Code number – UV protection with good color recognition (EN 170)
2	Code number – UV protection (EN 170)
1,2; 3; 5	Shade number – UV protection (EN 170)
1	Optical class
A (T)	Mechanical strength – High energy impact (190 m/s)
B (T)	Mechanical strength – Medium energy impact (120 m/s)
F (T)	Mechanical strength – Low energy impact (45 m/s)
S	Mechanical strength – Increased robustness

If the letter (A, B, F) is followed by the letter „T“, then the frame protects against impact at extreme temperatures (-5°C / +55°C)

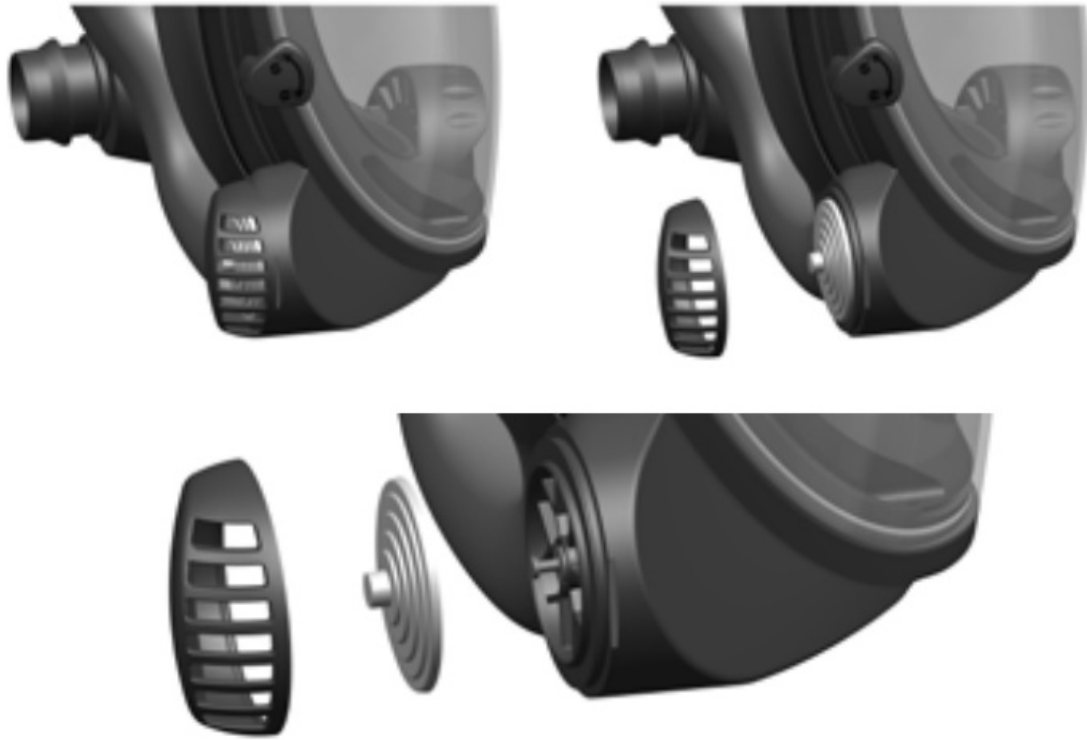
3	Field of use – Liquids (droplets or splashes)
4	Field of use – Large dust particles
5	Field of use – Gas and fine dust particles
9	Field of use – Splashes of molten metal and penetration of hot solids
K	Resistance to surface damage by fine particles
N	Resistance to fogging

### How to adjust the airflow direction



### Changing the exhalation valve membrane





**How to change the visor**

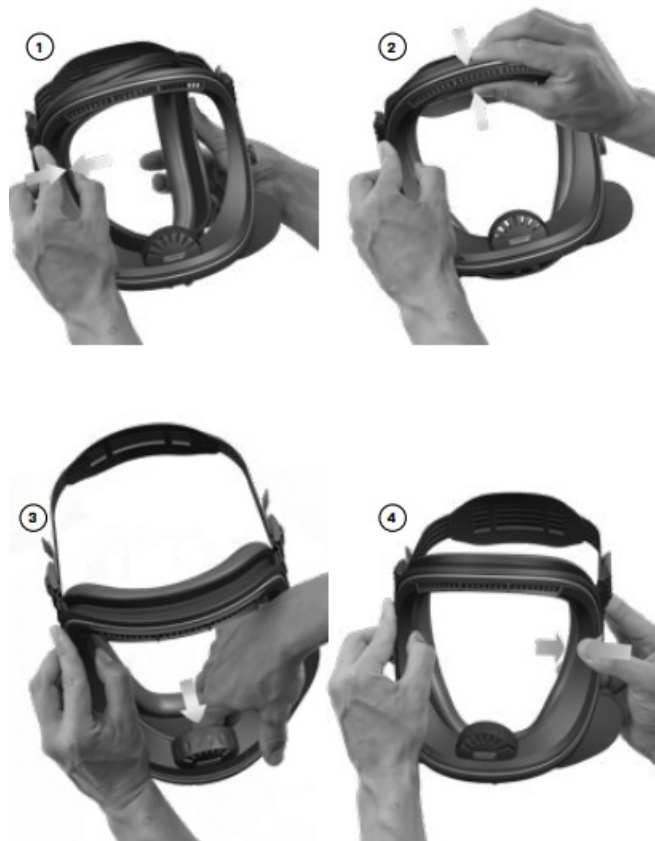


**Removing the face seal**

**remove the visor first**




#### How to attach the new face seal



- Techware Pty Ltd
- ABN: 13 914 775 899
- Phone: 1300 062 947
- Email: [sales@maxisafe.com.au](mailto:sales@maxisafe.com.au)
- Website: [www.maxisafe.com.au](http://www.maxisafe.com.au)
- Techware Pty Ltd
- PO Box 4220
- Hoppers Crossing
- VIC 3029

- **Australia**
- **DA-001 – 720101 – CA-1 Lite\_ - EN**
- **CleanAIR® All rights reserved**
- **Revision: 2021 04\_19**
- **Output: 202104.19**

## Documents / Resources

	<p><a href="#">Clean Air 72 03 00.01 Protective Face Shield UniMask</a> [pdf] User Manual</p> <p>72 03 00.01, 72 03 00.02, 72 03 00.03, 72 03 00.04, 72 03 00.08, 72 03 00.01 Protective Face S hield UniMask, 72 03 00.01, Protective Face Shield UniMask, Face Shield UniMask, Shield Uni Mask, UniMask</p>
-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## References

- [User Manual](#)

### Manuals±, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.