



T-Air® Helmet

Powered Air Purifying Face Shield (Helmet) User Instructions

* Designed to be used with PAPR system



SAFETY WARNINGS - READ BEFORE USING



WARNING

Read & Understand All Instructions Before Using



RSG T-air® Helmet is intended to protect the wearer's head and respiratory system against injury caused by striking the head against hard, stationary objects, and to protect the eye and face from sparks, particle spatters, hot solid spatters, metal melts. T-air® Helmet is designed to be used together with T-air® PAPR system.

Please do not raise the visor during usage, failure to follow this instruction to use this product may seriously affects the user's health.



WARNING



- This product will be always connected with T-air® powered air purifying respirator, it will not fog and influence the wearer's sight to ensure safety.
- This helmet is made to absorb the energy of a blow by partial destruction or damage to the shell and the harness, if fitted, and even though such damage may not be readily apparent, any helmet respirator subjected to severe impact should be replaced.
- For adequate protection this helmet respirator must fit or be adjusted to the size of the user's head.
- The attention of users is also drawn to the danger of modifying or removing any of the original component parts of the helmet, other than as recommended by the helmet respirator manufacturer. Helmet respirator should not be adapted for the purpose of fitting attachments in any way not recommended by the hard hat face shield manufacturer.
- Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the hard hat face shield manufacturer.
- Inspect face seal for damage and replace if necessary. Make sure the air is supplied to hard hat face shield. Make sure the ears are uncovered by the face seal.
- This product is not suitable for protection against X-rays, Gamma rays, high energy particulate radiation, lasers and masers.
- Pls make sure the protection film be removed before use.
- Inspect the helmet respirator before use to make sure it is fully assembled and well-functioned, to ensure safety.
- Check before use to determine whether this product is suitable for your application.
- Replace the protective visor immediately if pitted, scratched or broken, otherwise it will reduce vision clarity, or reduce impact protection.
- Before using the helmet respirator , ensure that you have read and well understood the instructions. The Warranty Terms don't cover problems such as those caused by: unauthorized modifications; using unauthorized spare parts; abuse; failure to follow the instructions; improper maintenance; repairing.
- It will not provide protection against IR.
- There are only original spare parts (See page 10) to be installed. For information about suitable spare parts pls contact the dealer or manufacturer.
- The duration of use depends on various factors such as use, cleaning storage and maintenance. Frequently inspections and replacement if it is damaged are recommended.
- Materials which may come into contact with the wearer's skin could cause allergic reactions to susceptible individuals.

- Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer.
- If protection against high speed particles at extremes of temperature is required then the selected eye-protector should be marked with the letter T immediately after the impact letter, i.e. FT, BT or AT. If the impact letter is not followed by the letter T then the eye protector shall only be used against high speed particles at room temperature.
- If the symbol F, B and A are not common to both the ocular and the frame, then it is the lower level which shall be assigned to the complete eye-protector.
- The optical class 3 oculars are not intended for long term use.
- For a Helmet with face shield to comply with field of use symbol 8, it should be fitted with a filter of scale number 2-1,2 or 3-1,2 and have a minimum thickness of 1,4mm.
- For an eye-protector to comply with field of use symbol 9, both the frame and ocular shall be marked with this symbol together with one of the symbol F, B and A.
- The user shall contact the health and safety representative to ensure he is given the proper protection by the personal eyewear during working conditions.
- Substitute parts, films not included in instruction manual, or spraying or other modifications to face shield will seriously damage the product's protective function and void the warranty, or cause the product's use effect to be inconsistent with protection level and certification.
- Failure to strictly follow all instructions for use and/or to wear product incorrectly throughout exposure can damage wearer's health, resulting in serious or fatal illness, injury, or permanent disability.
- Dispose of waste product parts in accordance with local regulations.

Before / after using T-Air® Helmet respirator, Check the following items.

If protective visor is soiled, change the visor.

Make sure there is sufficient ambient light.

Replace worn or damaged parts immediately.

Do not use parts other than those produced by RSG Safety BV.

Headgear must be adjusted to fit properly before use.

Make sure the face seal is securely and properly attached.

Make sure the breathing tube is securely assembled.

The face shield should be stored in dry, cool area when not using it for long time.



WARNING



Severe personal injury could occur if the user fails to follow the above mentioned warnings, and/or fails to follow the operating instructions.

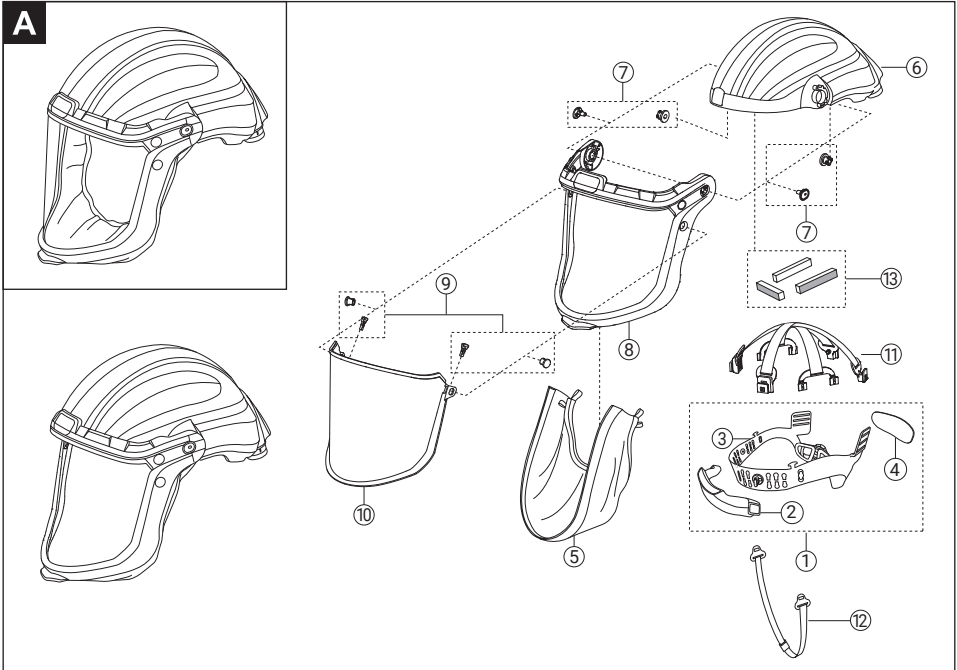
2. SYSTEM DESCRIPTION

RSG powered air purifying helmet has a compact shape and a balanced center of gravity. Used together with PAPR system, the protection class is TH3 (see table). It is convenient, comfortable and easy to adjust, providing users with comprehensive protection for respiratory, eyes and face, head, and hearing (requires noise-cancelling earmuffs).

Please do not raise the visor during usage, failure to follow this instruction to use this product may seriously affects the user's health.

Number	Airhood/masks	PAPR EN12941	PAPR EN12942	Particle filters	Combination filters	Class
		650102		401201	401209/401215/401216/401217/401218	
1	615250	YES	X	P R SL	A2PRSL / AB(E)2PRSL / ABEK2(Hg)PRSL	TH3

PARTS LIST & ASSEMBLY



ITEM	PART NO.	DESCRIPTION
A	T-Air® Helmet	Headtop
A-1	660216	Headgear
A-2	660471	Forehead sweatband
A-3	660216	Head suspension
A-4	660203	Comfort back pad
A-5	660121	Standard face seal
A-6	660311	Headtop (Velcro version)
A-7	660301	Headtop buttons
A-8	660667	Visor frame assembly
A-9	660664	Visor frame buttons
A-10	660729	Protective visor
A-11	660114	Ribbon
A-12	660105	Chin strap

3. INSTRUCTIONS FOR USE

3.1 Adjust Headgear

- Put the face shield on and adjust the face seal, make sure the face seal fully sealed around the face (See fig.1a).
- Adjust the back headgear knob until the face shield fixed on the head properly (See fig.1b).

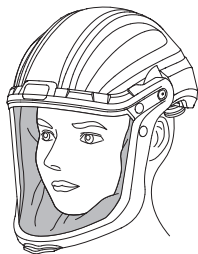


fig.1a

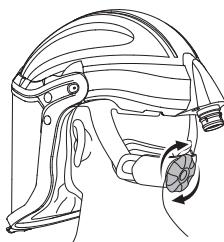


fig.1b

3.2 Face Shield Height Adjustment

- If you feel uncomfortable or unbalanced when wearing the face shield, adjust the front and rear attachment positions of the suspension headband to an appropriate position (See fig.2). The suspension headband can be adjusted at four locations: two in the rear and two in the front. Each location can be adjusted independently for a custom fit.
- Remove the headgear assembly (See fig.3a).
- To change the position of the front headband, pull the attachment buckle out of the slot and rotate the buckle 90° clockwise to detach it from the peg. Re-position the peg to another slot on the "ladder" of the buckle, then follow the reverse steps to reinstall the buckle into place (See fig.3b).
- To change the position of the rear headband, pull the height adjustment slot off the peg and re-position it to another slot on the "ladder" (See fig.3b).
- Put the face shield on to check if it fits comfortably. Repeat the aforementioned steps if necessary.

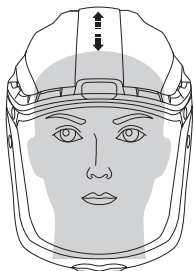


fig.2

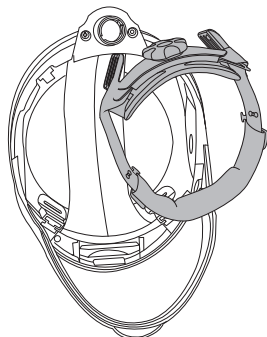


fig.3a

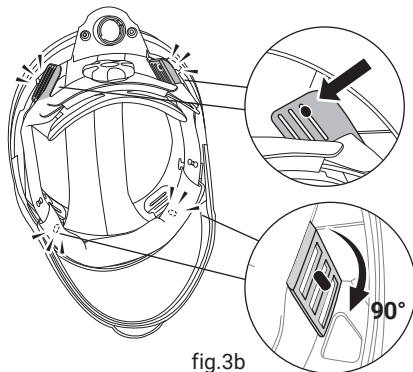


fig.3b

3.3 Air Flow Direction Adjustment

- Toggle forehead air flow direction adjustment plate to adjust direction of the airflow in face shield to ensure comfortable wearing (2 gears adjustable) (See fig.4)

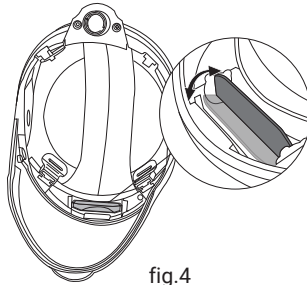


fig.4

3.4 Connect Hose to Helmet

- Pull the head of hose to connect it to protruding connector of T-Air® Helmet, and then turn the bajonet coupling to the head of hose to complete the fixing.

4. MAINTENANCE

4.1 Replacing Protective Visor

To remove visor

- Pull up the latches and remove buckles from both sides (See fig.6a / 6b), keep the parts appropriately. Push the central of visor top edge from internal side, until you hear a "click" to get out the visor (See fig.7a / 7b).

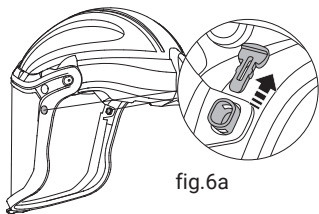


fig.6a

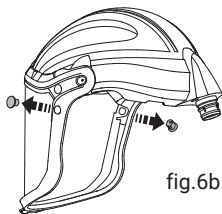


fig.6b

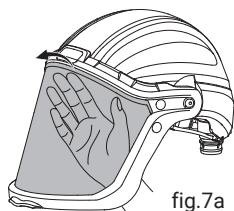


fig.7a

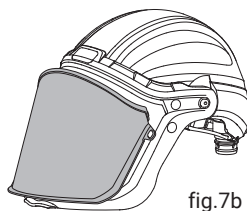


fig.7b

To install visor

- Put the one side of the visor into the slot (See fig.8a) and then put the other side of the visor into the slot (See fig.8b / 8c). Press the center of the top edge of the visor inward from the outer side until you hear a "click" sound to fix the visor (See fig.8d). Place the buckles in the position shown and slide down the latches firmly until you hear a "click" sound (See fig.8e).

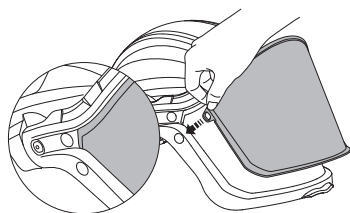


fig.8a

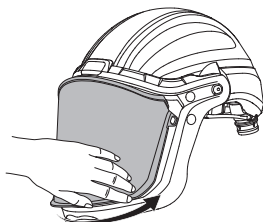


fig.8b

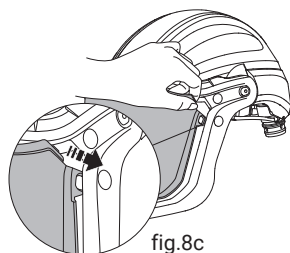


fig.8c

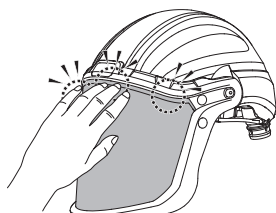


fig.8d

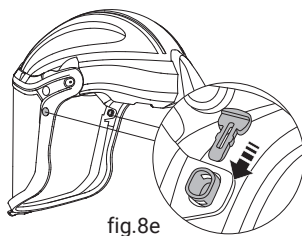


fig.8e

4.2 Replacing Face Seal

- Fix the edge groove of the face seal to the edge of the outside frame of the face shield (See fig.9a), and press to the arrow direction to complete the installation (See fig.9b), and hang the inner and outer elastic bands on both sides to the "T" hook to fix (See fig.9c).

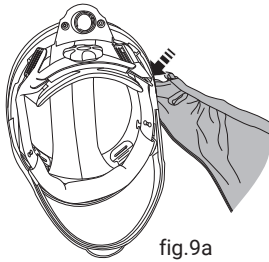


fig.9a

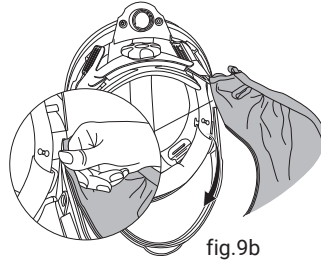


fig.9b

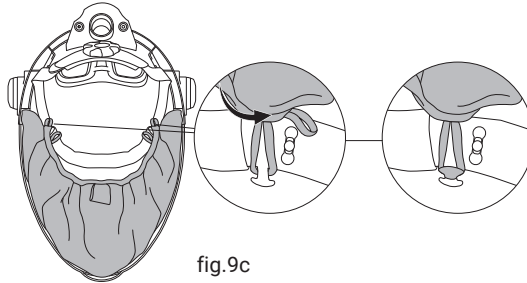


fig.9c

4.3 Replacing Sweatband and Back Pad

- Remove headgear from face shield (See fig.10a / 10b).
- Replace sweatband and back pad with new one, and then put complete headgear back into face shield (See fig.10c)

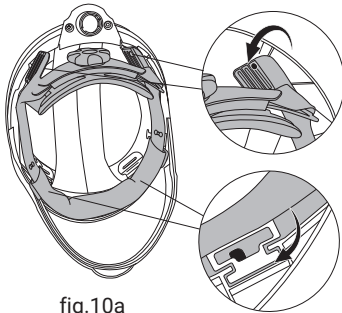


fig.10a

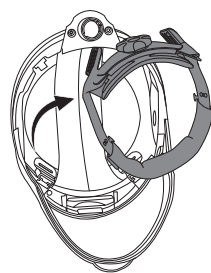


fig.10b

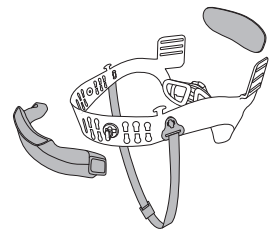


fig.10c

- Remove soft band from headgear and replace with a new webbing (See fig.11).

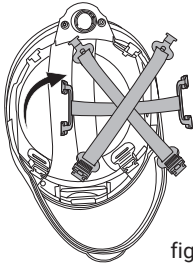


fig.11

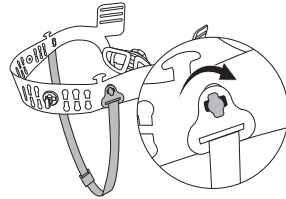


fig.12

4.4 Replacing Visor Frame Assembly

- Push out the button from inside of the visor (See fig.13a), disassemble two buttons from both sides (See fig.13b), remove the visor frame assembly and replace the new one (See fig.13c).

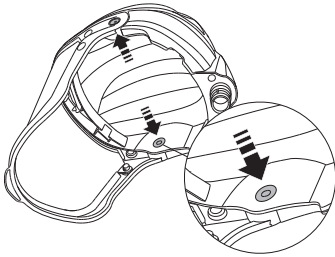


fig.13a

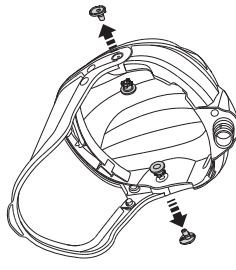


fig.13b

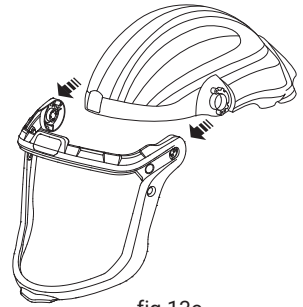


fig.13c

5. CLEANING AND DISINFECTION

5.1 CLEANING

- The helmet respirator should be cleaned after every use. Clean the face shield by wiping with a soft cloth. Clean the visor surfaces regularly. Do not use strong cleaning solutions. Clean it with methylated spirit and a clean cloth and wipe dry with a lint-free cloth.

5.2 STORAGE

- Keep the product in a clean environment away from contamination, dirt, debris, and direct sunlight to prevent damage or distortion. Avoid storing near high-heat sources like furnaces or ovens. Ensure storage temperatures are within recommended conditions (refer to "TECHNICAL SPECIFICATIONS") and humidity levels are below 90%. Dispose of the product in accordance with local regulations.

6. TECHNICAL SPECIFICATIONS

Model No.	T-Air® Helmet
Viewing Area	426 cm ² (66 sq. in)
Storing Temp.	-10°C ~ 55°C
Application Industry	Painting / Metal processing / Other applications with hot particles
Approval	EN 12941:2023 ; EN 166:2001;EN 397:2012.

APPROVED INSTITUTION

Produktion controll according module D of the regulation 2016/425 :
DEKRA Testing & Certification GmbH, Handwerkstrasse 15, 70565, Stuttgart, ID-Nr. 0158

Type examination module B: Apave SA (n°0082) - 6 Rue du Général Audran -
92412 COURBEVOIE cedex - France.

Download Declaration of Conformity
@ www.rsgsafety.com/en/declaration-of-conformity



7. TROUBLE-SHOOTING GUIDE

• Poor vision

- Protective visor is soiled (Change visor).
- There is insufficient ambient light.
- Check if removing the film on the visor.



WARNING



The user must stop using the face shield immediately if the above-mentioned problems cannot be corrected. Contact the dealer.

