

AIR FLOW INDICATOR (AFI) TROUBLESHOOTING

If the AFI indicates a drop in air flow (refer to fig.1), perform the following check under uncontaminated conditions:

- Ensure that the compressed air supply is turned on at the wall and that input pressure is correctly adjusted.
- Check the security of the rigid air flow indicator tube positioned in the visor. If it has come loose from the end of the flexible transparent hose, push it back into place.
- Make sure that the transparent breathing hose is not kinked, blocked or holed.
- If there is a failure or suspected failure of the regulator, it should be returned to the Anest Iwata for test, rectification or replacement.

SPARE PARTS:

- Replacement visor cover.
- Replacement filter.

CLEANING:

- To external surfaces of all components may be cleaned using a sponge and warm soapy water and afterwards rinsed and allowed to dry naturally.
- Do not immerse any part of the system in water, particularly the regulator system as this may damage it.

STORAGE:

- The equipment should be stored in an uncontaminated environment away from direct sunlight preferably packed in an enclosure.
- Recommended limits of storage are -10 to +50° with RH<60%

SIGNIFICATO DEI MARCHI:

- CE(1) 1F3 to EN166
- (1) = Manufactures mark
- 1 = Optical class 1
- F = Increased Robustness
- 3 = Resistance to chemical splash
- Regulator CE 0086 prEN1835 1995
0086 = Notified body
- prEN1836 1195 = Standard to which the product conforms



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CERTIFIED QUALITY SYSTEM
ISO 9001/2000
DIN CERT

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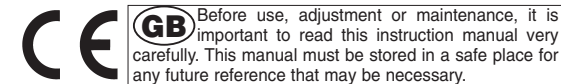
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PROTECTION MASK AIRFED 2000



IMPORTANT

The Airfed protection mask kit is a compressed air fed respirator which, when supplied with breathable quality compressed air, passes it via a belt-mounted regulator and flexible tube into a visor. The regulator is fitted with a replacement nuisance odour filter. These instructions must be read in full before operating the equipment.

Failure to follow these instructions completely may result in a decrease in protection or no protection at all.

Any misuse or handling other than those indicated in this Instruction Manual is not covered by guarantee. ANEST IWATA disclaims all responsibility for any accident or damage caused by failure to observe the operational and safety procedures as from this manual. In the interest of user friendliness, this manual contains information in a brief and concise form.

For any additional information you may require regarding equipment operations, or if any missing parts or any damage during transportation is found, please contact your nearest ANEST IWATA Company (see last cover page).

DESCRIPTION

Browguard and visor
Cover for visor
Waistbelt
Pre-set air regulator
Carbon filter
Gun hose fittings 1,25 m

This visor system conforms to provisional European Standard prEN 1835:1995
Specification for light duty Compressed air breathing apparatus incorporating helmets or hoods'

APPLICATION

The Airfed system will provide protection against airborne dusts, mists, gases and vapours. This system offers respiratory protection to class LDH 3 and hence offers a protection factor of up to 200. This means that it can be used in areas where the concentration of contaminant in the workplace air is up to 200 times the Occupational Exposure Limit (O.E.L.)

- This system should not be used where the level of contaminant exceeds 200 x the O.E.L. or where the contaminant or its level is unknown.

- This system should not be used in oxygen deficient atmospheres.

- This system should not be used below 0°C.

OPERATE

Air supply specification

- Input pressure 5.0 bar.
- Min. air consumption 140 l/min
- Max. air consumption 300 l/min

NOTE: The air supply must be of breathable quality as defined in EN 132. The air supply system should be equipped with a pressure relief safety valve.

AIR SUPPLY HOSE SPECIFICATION

The system should be used with a 5/16" supply hose with maximum working pressure of 15 bar and maximum length of 10 m.

VIZOR AIR SUPPLY SPECIFICATION AND AIR FLOW INDICATOR

MINIMUM DESIGN FLOWRATE: 140 l/min.

An air flow indicator (AFI) is positioned in the visor on the left-hand edge of the wearer's field of vision. When the flow of air drops below the minimum design flowrate quoted above, the float will just break the upper edge of the opaque portion of the tube (refer to fig. 1). If a drop in air flow is indicated in this way, perform the checks listed below under "Air flow indicator troubleshooting".

REGULATOR SPECIFICATION

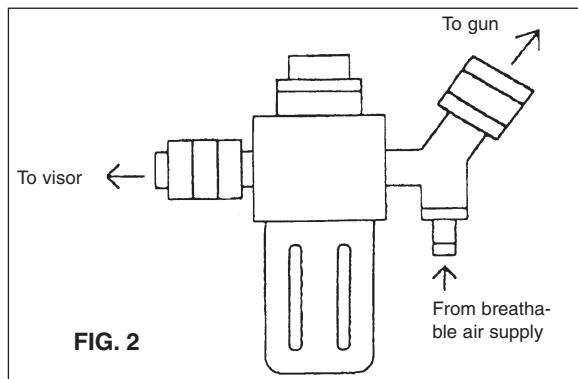
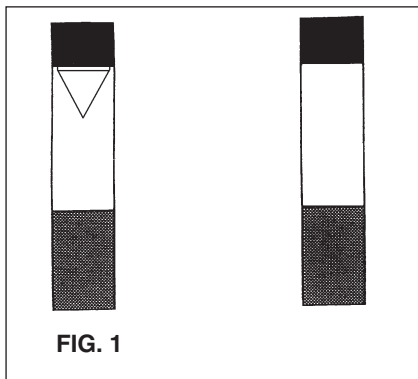
This regulator is non-adjustable. Do not attempt to adjust the regulator.

Every regulator has marked a serial number. The last two figures of the serial number correspond to the year's manufacture.

BEFORE USE:

The following should be performed in an uncontaminated area.

- Check that the air supply pressure and flow available are in accordance with the above AIR SUPPLY SPECIFICATION.
- Inspect the equipment before use for any signs of damage or deterioration. Do not use the equipment if it appears damaged.
- Fit the belt with the regulator attached around the operator's waist with the regulator on the side of the body and the fitting to take the air from the breathable air supply pointing forward. Lock the buckle and adjust the belt to a comfortable tightness.
- Connect the male end of the main air supply hose to the main air supply. Connect the female end of the main air supply hose to the male inlet of the regulator. (See Figure 2)
- Examine the visor and replace the visor cover if contaminated, by pulling it off and pushing a new visor cover over the two metal studs.
- Connect the visor to the outlet of the regulator ensuring that it is locked in place.



- If spray gun is to be used, connect spray gun to the spray take-off.
- Check the air quality from the visor. If any odour is detectable then the carbon filter should be replaced. (See maintenance section for details on replacing the filter). If an odour is still detected then the visor should not be used. The cause should then be investigated since further prefiltering will probably be required.
- If an accessory such as spray gun or power tool is to be driven from the same compressed air supply tube, ensure that the airflow indicators show that sufficient flow is being delivered into the visor when the accessory is consuming the maximum airflow requirement.

FITTING THE VISOR ASSEMBLY:

The users should be trained in correct fitting of the visor assembly

- Open out the head harness by rotating the knob on the back of the harness.
- To fit the head harness, adjust the crown strap and the knob at the back of the head harness until the foam face seal fits around the face when the visor is flipped down.
- The light duty breathing hose should run down the back of the user.

IN USE:

The operators should be trained in the use of this equipment prior to entering a hazardous area.

- If an oil odour develops during use the quality of the supply and carbon filter should be checked to ensure that the air being fed to the breathing equipment is free from oil mist.

WARNING:

- If the face seal does not fit closely to the face than the stated levels of protection may not be achieved.
- This system should not be used below 0°C.
- This system should not be used in or with oxygen or oxygen rich air.
- At very high work rates the pressure in the visor may become negative at peak inhalation flow.
- The protection factor may not be achieved with persons with excessive facial hair or glasses.
- The user must ensure the purity and identity of the breathing air supply at all times.
- Adequate protection may be provided by the apparatus in certain highly toxic atmospheres.
- This apparatus should not be used in area where inhalation of the atmosphere, whilst escaping in the event of failure of the air supply, would cause serious harm to health.
- The air supply system should be equipped with an appropriately rated and adjusted pressure relief safety valve.
- The optical class of the visor may be reduced by adding one or more visor covers.

CARE AND MAINTENANCE:

All maintenance should be performed in an uncontaminated area.

- The carbon filter may be replaced by, with the air turned off, unscrewing the bowl below the regulator and grasping the filter, firmly twist and pull downwards. The old filter should be disposed of. A new filter is fitted by inserting and twisting upwards. The bowl should then be refitted and screwed tightly to the regulator.
- Visor covers (should be replaced when contamination start to obscure vision by pulling off and pushing a new visor cover over the two metal studs.
- It is recommended that the complete kit of the equipment is inspected on a monthly basis (or before use for occasional user) and any worn or damage components are replaced. Particular attention should be paid to the visor and its foam surround.
- The carbon filter shelf life from the date of manufacture. Expiry date should be checked.
- The equipment (other than the carbon filter) has a shelf life of 5 years from manufacturing date.