



5-13
Variable Shade

DW7000XL

AUTO DARKENING WELDING HELMET



Please ensure you read this instruction manual carefully before using your Strata Welding Helmet

INSTRUCTIONS FOR USE

Staple your receipt here in order to aid
your warranty or for future reference.

INTRODUCTION

The DW7000XL auto darkening, flip front welding helmet affords reliable protection for the eyes for most welding and grinding applications. The auto-darkening feature of the DW7000XL welding helmet allows the welder to see the point of arc strike more precisely whilst keeping both hands free. The helmets light weight and automatic features reduce fatigue and lead to time savings.

With the front of the DW7000XL raised (flipped-up), the inner visor offers a wide field of view for grinding and slag removal, providing adequate protection in accordance with relevant standards. With the front of the welding helmet lowered (flipped-down), the DW7000XL will offer permanent protection against UV/IR rays (up to Shade 13 DIN), heat and sparks. The protection shades of the DW7000XL auto darkening welding helmet have been chosen to avoid eye damage caused by the welding arc.

WARNING: Do not look directly at welding rays with unprotected eyes when the arc strikes - this can cause a painful inflammation of the cornea and irreparable damage to the lens of the eye leading to cataracts. Ensure the front of the welding helmet is lowered (flipped down) at all times during any Welding, Gas or Plasma Process.

WARNING AND INSTRUCTIONS FOR USE

Read the instructions before operating this Auto Darkening Welding Helmet. This helmet is designed to protect your eyes and face from sparks, spatter and harmful IR and UV radiation. This helmet will not protect you from explosive devices or corrosive liquids.

Never operate this helmet without the lens cover properly installed. Keep front lens cover and light sensors clean for proper operation. Replace auto darkening lens if it is cracked, scratched or pitted to avoid serious personal injury. Use only replacement parts specified in this manual.

DANGER

Arc rays from the welding process produce intense heat and strong ultraviolet rays that can burn eyes and skin. Use the following table to select the appropriate shade number for a Welding Helmet or Welding Face Shield.

1. Use a Welding Helmet or Welding Face Shield fitted with a proper shade of filter to protect your face and eyes when welding or watching.
2. Use protective screens or barriers to protect others from flash and glare; warn others not to watch the arc.
3. Wear protective clothing made from durable, flame-resistant material (wool and leather) and foot protection.
4. Never wear contact lenses while welding.

WARNING

If any of the functions fail in use, DO NOT USE the DW7000XL Welding Helmet and contact your local Strata store.

CAUTION

- Operating range of the DW7000XL is between -5°C - 50°C.
- Materials that may get in contact with the wearers skin could cause allergic reactions to susceptible individuals
- The auto-darkening filters fitted in the DW7000XL helmets are not waterproof and will not work properly if they have been in contact with water.
- Welding helmets and filters only resist a certain amount of heat. Do not place them near naked flames or hot work areas etc.

RANGE OF APPLICATION

The DW7000XL welding helmet can be used for the following applications: MMA, MIG, Mag, TIG. The welding filter must not be used for any other purpose other than welding. The welding filters operate well under both extreme low lighting and very strong sunlight.

Table 1 - Suitable Shade Levels

Process	AMPS																						
	1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600		
MMA	8						9		10		11		12		13		14						
MAG	8							9	10		11			12			13		14				
TIG	8			9			10		11			12		13									
MIG with Heavy Metals	9								10		11		12		13	14							
MIG with Light Alloys	10										11		12	13	14								
Air-Arc Gouging	10										11	12	13	14	15								
Plasma Jet Cutting	9								10	11	12		13										
Micro-Plasma Arc Welding	4	5		6	7	8	9	10		11	12												
	1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600		

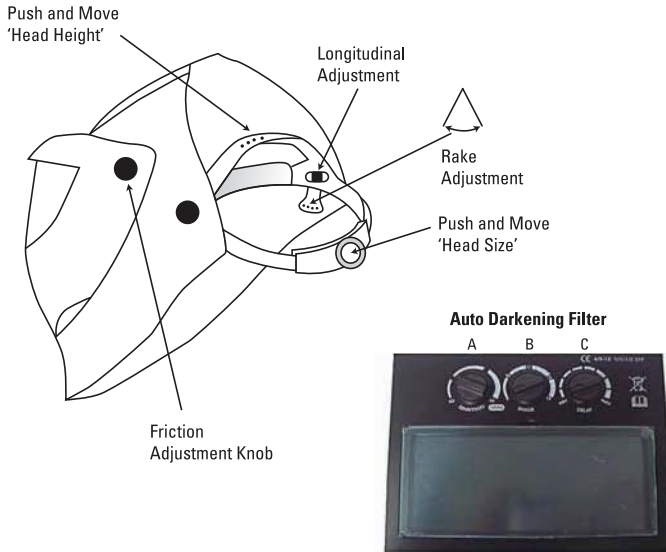
Note: The term "Heavy Metals" applies to steels, alloy steels, copper and it's alloys, etc.

OPERATION

Before using the helmet, it is recommended that the following adjustments are made:

Adjustment of Headgear:

DW7000XL welding helmets are equipped with a headgear that can be adjusted in different ways.



Flip Visor and Grinding Shield

The helmet front with welding filters can be flipped up and 'locked' in a "parked" position to enable grinding and/or the removal of slag whilst ensuring suitable eye protection.

Use the Friction Adjustment Knob to adjust the ease of movement and ensure positive positioning of the flip visor. Replace the polycarbonate grinding lens (P/No W4000-3) whenever visibility is impaired by pushing the lens from the inside of the helmet and easing the lens away from the lower tabs. To insert a new lens, start by inserting the top tabs into the top of the helmet, and ensure all other tabs are positively located into the corresponding cut-outs in the helmet.

Auto Darkening Filter

Selecting the Shade Level (B)

Set the shade by turning the knob on the inside of the helmet (B).

The most suitable setting can be found in **Table 1 - Suitable Shade Levels** (pg3) or chosen using your experience. This setting can also be made manually during the welding process.

Turning clockwise = darker

Turning anti clockwise = clearer

Selecting Sensitivity (A)

Turn the sensitivity knob clockwise to the max. setting (A). Depending upon the surrounding light the filter will switch to the dark state or will flicker (if the surrounding light is very low, the filter may not switch to the dark state). Turn back the sensitivity knob (A) until the filter switches to the clear state. The filter is now set to its optimum sensitivity according to the surrounding light conditions.

If the lighting conditions change significantly you are advised to repeat this process. This will ensure you always have your helmet set to the optimum sensitivity.

Selecting the Delay (C)

The clearing delay can be adjusted manually by turning the delay knob (C) between a fast clear (0.1 sec) fully anti clock wise and a slow clear (1.0 sec) fully clockwise.

SERVICING AND MAINTENANCE

DW7000XL welding helmets should not be dropped. To avoid damage the electro-optical filter, do not place heavy objects or tools (hammers etc.) on or inside the helmet.

Always make sure that the helmet is equipped with an outer and inner lens (in front of the filter on the outside and on the inside, behind the filter). These protection lenses must be replaced if damaged in any way (see overleaf). They are consumables and should be checked and replaced regularly. Please see table overleaf for part codes relating to these consumable products.

The filter should be cleaned when changing the protection lenses. This can be done by any of the following ways:

- Wipe with a clean, dry piece of cloth;
- Clean with a piece of smooth cloth moistened with pure alcohol;
- Clean with a commercial disinfectant.

If used properly the welding filter requires no further maintenance during its lifetime.

If the filter should be replaced on your DW7000XL welding helmet, only use the recommended replacement filter from your local Strata store. The use of any other Auto Darkening Filter will void the warranty. Please see table at the rear of this manual for part codes relating to these consumable products.

The filter itself contains no special or toxic products and can be disposed of in the same way as other electronic devices.



WARNING If any of the functions fail in use or during the following tests, DO NOT USE the DW7000XL Welding Helmet and contact your local Strata store.

Evaluating Filter Performance and Function

Before use of the welding helmet the Auto Darkening Filter (ADF) and helmet needs to be checked in accordance with the following procedure:

- Check outer protection lens is clean and sufficiently clear to allow visibility.
- Ensure the sensors are NOT covered and are clean.

Once these checks have been carried out you should test the ADF.

Select the darkest setting (Shade 13) and set the sensitivity to the highest setting. Now point the sensor towards a light source such as an overhead light, lamp etc. The ADF should now switch to the dark state (please note if the ADF is stored in a dark area away from light it may need to be left out in strong light or sunlight for 1 hour to absorb power, if after 1 hour the ADF does still not react then there is an issue with the sensor). Once the filter is in the dark state you can check the shade variation is functioning correctly, simply adjust the shade. By doing this, the shade should get lighter. If the shade does not appear to alter then you have an issue with the shade variation.

To test the Delay Function - set the delay to the maximum setting. Now move the filter sensor away from the light source it should take 1 second to return to the light state, now alter the delay setting to the minimum and repeat the process, the time taken to return to the clear state should be 0.1 second. If the ADF does not react in this way then there is an issue with the delay function.

To evaluate the Sensitivity - set the sensitivity to minimum setting. Point the ADF at the light source you used to test the other functions. If the ADF switches to a dark state, move away until the filter returns to a clear state, then slowly reduce the sensitivity until the filter switches to dark state (if it does not change then move closer to the light until it reacts). If the ADF does not react then there is an issue with the light sensors.

Replacing the Outer Spatter Lens (6)

Ensure that the helmet is always equipped with an Outside Spatter Lens (on the outside of the helmet) and an Inner Lens (inside the helmet). These protection lenses must be replaced if broken, damaged or covered with welding spatter or other matter to such an extent that vision is impaired. Inner & Outer Lenses are consumables and must be replaced regularly with certified Strata spare parts.

NOTE: Before using the DW7000XL helmet for the first time the protective films must be removed from the Front Spatter Lens (Fig. 1). The film cannot be removed from the Front Spatter Lens with the Lens in place, Please follow the instructions below to remove the Spatter Lens.

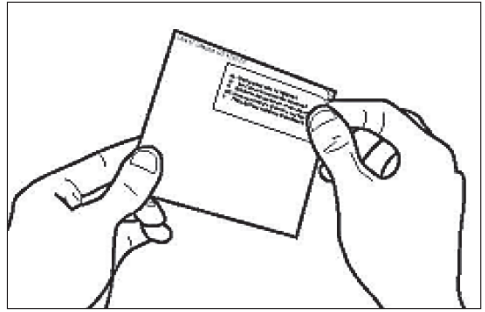


Fig. 1

Inserting and Removing a new Protection Lens

To change the outer protection (3) lens the filter must be removed by unscrewing the two retaining screws (6) from the inside of the helmet flip (1). The old protection lens can then be removed and the new lens inserted followed by the light seal cradle (4), Auto Darkening Filter (5), inner protection lens (7) and then the ADF retaining frame (6) before finally replacing the two retaining screws (see Fig. 2).

Inserting and Removing the Grinding Lens (2)

To remove the grinding lens – simply push out from the inside, ensuring to disconnect from the lugs at the top of the visor. To replace with a new lens – locate the lugs at the top and then clip the lens into all the helmet lugs.

Auto Darkening Filter (5)

To allow the filter to switch, the sensors on the front of the filter must not be covered. The filter then switches to the dark state when the arc strikes and to the clear state when the welding arc stops.

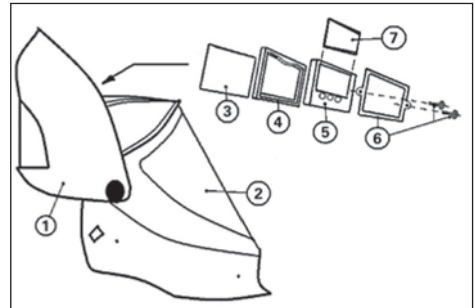


Fig. 2

SPECIFICATIONS

Usage:	For use when ARC, MIG, TIG, Pulse ARC, Micro-TIG and Plasma Cutting.
Viewing Area:	100 x 50 mm
Light State Shade:	DIN 4
Dark State Shade:	Variable DIN 5 - 13
UV/IR Protection:	Up to shade DIN 15 at all times
Operating Temp.:	-5°C ~ 50°C
Switching Time:	1/10,000 second
Optical Classes:	1/1/1/2
Weight:	621g

SPARE PARTS

The following items are available from your nearest Strata store.

Part Number	Description	Suits
W4000-1	Protective Outer Welding Lens, 110 x 96mm(3pk)	DW4000, DW7000XL
W7000-1	Protective Inner Rear Welding Lens, 53 x 103mm(3pk)	DW7000XL
W4000-3	Protective Grinding Lens	DW4000, DW7000, DW7000XL
WT19859	Sweatband	DW7000XL
WT4000-4	Headband	DW4000, DW7000XL
WT7000-6	Head Band with Air Ducts	DW7000XL
W7000-10	Replacement Auto Lens	DW7000XL

AIRKOS Respiratory Protective Device POWERED RESPIRATORY FILTERING DEVICE, INCORPORATING A WELDING HELMET OR IMPACT PROTECTIVE FACESHIELD, CLASS TH2P R SL DEVICE



1. Introduction:

This is a respiratory protective system which is based on the principle of circulated over pressured air in the hood. The belt-mounted blower unit delivers air through a filter and via an air hose into a headpiece (a hood or mask). The supply of filtered air creates positive pressure inside of the headpiece, which prevents the external contaminated air from entering the user's breathing zone.

2. Approvals:

The STRATA RESPIRATOR has been designed and manufactured to comply with EN12941: 1998 as a TH2P R SL device. BS4275 (Guide to implementing an effective respiratory protective device program), which the user is advised to read, defines an EN12941 TH2P R SL device as offering an Assigned Protection Factor of 20.

The STRATA RESPIRATOR can only provide this level of protection when used with filters provided by STRATA.

The STRATA RESPIRATOR is manufactured under ISO 9001:2000 Quality System.

3. Preconditions for use:

This Respirator must be used strictly in accordance with this instruction leaflet and the instructions supplied with the corresponding head-units (hoods). The user must read and understand all the following "Instructions for Use" well to be able to use the respiratory protective system correctly.

When the blower unit is switched off little or no respiratory protection is to be expected. When the blower unit is switched off a rapid buildup of carbon dioxide and depletion of oxygen within the head unit may occur and so **it is essential not to use the blower unit when it is switched off.**

THE UNIT MUST NOT BE USED:

- In an atmosphere that is immediately hazardous to user hygiene or health and / or has oxygen content of less than 17% or contains unknown substances.
- In confined spaces or unventilated areas such as tanks, pipes, canals etc.
- Near to flames and or sparks
- In areas with danger of explosion.
- In an area where there are high winds.
- If the blower unit stops working due to any reason, the user must leave the contaminated area immediately.
- If no filter is installed.

It is also essential that:

- Nothing is allowed to touch the moving parts.
- There is no attempt to modify or alter the unit or filter in any way
- Water or other liquids enter the unit in any way – in particular the motor and fan, the filter or the battery.

Make sure that the headpiece fits the user's face perfectly. Only then the efficiency of the system is sufficient. The protective factor of the complete system is reduced if the seal of the headpiece is not fitted properly, for example due to beards or long hair intervening into the seal line. There is a possibility that the hose to the head unit may become caught up in use. The blower unit should be positioned on the person in such a way as to reduce this possibility.

Filters cannot be fitted directly to the head units and should not be adapted to do so. Correct respiratory protection will not be provided if any parts of the equipment are modified.

At very high work rates the pressure in the device may become negative at peak inhalation flow. STRATA RESPIRATOR systems are for use only by competent, trained personnel. Filters should not be modified to fit different blower units.

ATTENTION! If any of these conditions is not kept or followed, the warranty automatically invalid.

The user is advised to leave the contaminated area immediately if:

The Manufacturer's Minimum Design Flow (MMDF) warning Alarm sounds.

Breathing becomes difficult.

Dizziness or distress occurs.

Any part of the system becomes damaged.

Airflow into the Head-Unit decreases or stops.

Contaminant can be smelt or tasted inside the Head-Unit

Materials that may come into contact with the user's skin are not known to cause allergic reactions to the majority of individuals but in the unlikely event of a reaction, the user should immediately leave the contaminated area, remove the unit and seek medical advice.

4. System Overview:

The STRATA Respirator unit is a belt mounted powered respirator with a replaceable, disposable high efficiency particle filter system. The helmet covers head sizes from 535 to 600mm circumference.

The STRATA Respirator unit contains a removable 8hr rechargeable battery pack. The STRATA Respirator unit will warn the user when the MMDF of 170 L/min, is not achieved with its audible alarm.

In operation once the alarm sounds, the user must immediately leave the work area and reach an area nominated to be safe. The unit has audible and visual alarms for a low battery and a blocked filter. Depending on the fault, the user should replace the Pre Filter with a new one (In very dusty environments the Pre Filter will need changing frequently) and or re-charge or change the battery for a fully charged one. If the blocked filter alarm continues to sound the main filter should be changed. Only when the unit will function with the alarm switched off and the flow rate has been tested to be acceptable, should the user return to the work place.

The filter has been developed especially for this unit. It is used to filter the air the user will breathe. It is essential that the user checks the filter for any signs of damage or deformation that could potentially let contaminated air into the unit. The filter must be disposed of if the filter is damaged or if clogged to the point of triggering the systems alarm mechanism.

The removable rechargeable battery used is a Lithium Ion cell. When supplied the battery may hold a small charge, the unit should be run flat and then charged for sixteen hours before the first use.

5. Unpacking / Assembly / Usage:

5.1. Unpacking:

Check that the package is complete and that no part is damaged due to the transport or for other reasons.

A package with the complete system including accessories contains:

1. Blower unit incl. Battery and P R SL Filter and Pre Filter and Filter Cover
2. Belt
3. Air hose
4. Air flow indicator
5. Battery charger
6. User Instructions

5.2. Assembly:

Attach the respiratory unit onto the belt: Pass the inner strap through the back of the blower loops. The pass through the 3 belt loops and then through the buckle.



Fit the battery to the Blower unit:

5.2.1. Waist-Belt Adjustment:

Put the belt around your waist with the blower unit to the back and fasten the two ends together



If the belt is too loose, slide the male adjuster down the belt, towards the female half. If the belt is too tight. Slide the male adjuster away from the female half.

Repeat the above processes until a comfortable and secure fit is achieved. Once the belt fits correctly, secure any excess belt material using the Velcro sections.

Loosen



Tighten



5.2.2. Particulate Filter:

Use only STRATA RESPIRATOR filters and Pre Filters as supplied by Strata.

It should first be ascertained by consulting an occupational hygienist or by calling the manufacturers technical help line as to whether or not the STRATA RESPIRATOR Filter will offer suitable protection from the hazard.

The respiratory power unit is equipped with a high efficiency particle filter of class P R SL and a Pre Filter.



As soon as the warning alarm sounds, the pre filter should be exchanged or checked. In very dusty areas this can be necessary on a frequent basis.

The filters must be regularly checked (see Air Flow Test) and replaced.

Make sure that the new filters are within their expiry date, unused and not evidently damaged.

From the hygienic point of view the maximum working time of a main filter is 180 hours and should not be exceeded.

It is prohibited to clean the filters by any procedure!

5.2.3. Removing the Filter:

Opening the filter cover: Grip the cover on the right hand side and pull the cover open.

ATTENTION! It is strictly forbidden to use any tools to open the filter cover.

To remove the filter, pull it off the filter seal while rotating it. Clean the unit from dust.

5.2.4. Fitting a new Filter:

Inserting a new filter: Put the filter back into position using the same rotating motion and gently push until it fits well on the body of the unit. Re fitting the Cover; follow the alignment as per the pictures.

Ensure the filter clips enter the Blower body, then rotate Clockwise until closed. Do not attempt to use the blower unit without the cover fitted correctly.



5.2.5. Changing the Pre Filter

The pre filter is a sleeve which is fitted over the main filter. To remove / replace simply pull off the old filter and stretch the new one into position. It's important to ensure that the filter media of the main filter is completely covered by the pre filter.



5.2.6. Attaching the Hose to the Blower Unit:

Align the pins of the Hose Bayonet connector with the slots in the air outlet of the blower. Push the Bayonet connector into the blower until it reaches the bottom of the hole and then twist in a clockwise direction until the locating pins clip into place. Fitting the hose to the hoods is the same procedure.

5.2.7. Donning the Welding Helmet:

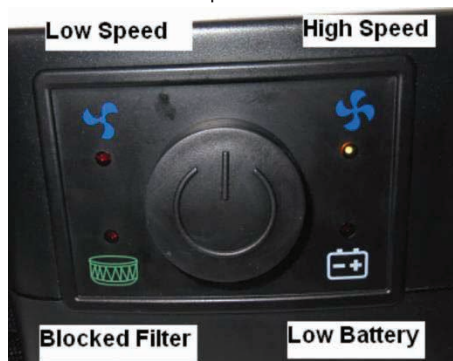
First set the Welding helmets rake and adjust the welding filter to suit (See the helmet's user instructions). Lift the helmet to its upper position. Place over the head and adjust the headgear ratchet wheel by pushing it in and twisting until a satisfactory tightness is achieved. Pull the elasticated chin guard downwards and at the same time pull the helmet down. Ensure the elasticated chin guard fits comfortably under the chin.



The Welding helmet is now ready for use

5.3. Usage:

Switch on the unit by pressing the ON/OFF button on the control panel. The airflow can be



either the low speed 180 l/min or the high speed 220 l/min. The speed denoted by the lit LED and the fan symbol. You can change the speed by pressing the ON/OFF switch. Only by depressing the ON/OFF switch for several seconds will stop the unit.

The unit ensures a constant supply of air. The microprocessor inside the unit automatically regulates the motor speed to compensate the filter clogging and the battery state. If the microprocessor cannot keep the adjusted airflow, the unit will sound a 'beeping' alarm (an acoustic signal can be heard). At which point the user must check the blower unit. If possible, the microprocessor automatically reduces the airflow to the lower level, if it fails to meet the lower level, the alarm will still sound. When the airflow falls below the minimum safe operating level, a second audible alarm joins the first. At this point, the user must stop working at once, leave the working environment and reach an area nominated to be safe and change the filter or recharge/change the battery.

To check the battery: When first starting the unit, the battery LED must show red – this shows a fully charged battery. It is recommended that only a fully charged battery should be used when starting a work shift.

With a fully charged battery in place, the unit should function normally, but if the audible alarm still sounds, the user must change the filter. If the problem still persists, see section 10 for additional suggestions.

6. Before use:

6.1 Inspection before use:

Each time before starting work check that:

- All components are in good condition with no visible damage (like holes, tears etc) Replace any damaged or worn parts. Carefully examine the air hose, seals and the face piece.
- There is a good connection between the air hose and the headpiece as well as the blower unit.
- There is sufficient air flow (see 6.2.)
- The air is supplied through the whole respiratory system from the blower to the hood.
- Charge the battery before the first use. (See 6.3.)

6.2. Air Flow Test:

1. Disconnect the air hose from the Blower unit.



Minimum
Airflow
Level

2. Insert the Airflow indicator into the air hose connector and keep the hose in vertical position at about the eye level.
3. Switch the power unit on. The airflow is sufficient only if the ball indicator reaches the minimum flow rate level. If the indicator sinks below the minimum flow rate level, it is necessary to charge the battery or change the filter. If the problem still persists, see section 10 for additional suggestions.



6.3. Batteries:

NOTE! Batteries are delivered only partially charged, all batteries must be charged before they are used for the first time. The battery can be charged separately or on the blower unit. The charger must not be used for any other

purpose than that for which it was manufactured. Do not charge the battery in a potentially explosive atmosphere. The battery charger is intended for indoor use. It must be protected against damp. The charger controls the charging automatically. After the battery has been charged, the charger switches to the trickle charging regime and keeps the battery fully charged. The charging time is 6 to 8 hours.

6.3.1. Battery charging:

1. Check that the voltage of the electrical power supply is correct.
2. Plug the charger into the socket.
3. Connect the battery to the charger. The socket of the battery is positioned on the back side. The charging state is indicated by a red LED diode light.
4. After charging has been completed, the trickle charging regime is activated: - red LED diode goes out, the green LED diode comes on at the moment of trickle charging.
5. Disconnect the charger from the power supply. **Do not leave the charger in the power supply if not in use!**

6.3.2. Battery changing: Removing the battery

Locate the battery catch. Pull back the battery catch and at the same time the Battery can be removed by lifting upwards.





Fitting the battery: Make sure the battery is the correct way up (as per 5.2) and then slide into the bower until the battery catch engages. It is essential that the battery catch is fully locked.

7. Maintenance / Cleaning:

The Blower unit, filter housing and head units must all be regularly cleaned to keep them in good working order.

For single users, the units can all be cleaned with a cloth moistened with luke warm water and soap. For multiple users, the units should be disinfected when passed from one user to another. Liquids must not be allowed to enter the workings of the blower unit or get on to the element of the filter.

Parts should be allowed to air dry. Under no circumstances should any solvents or abrasive cleaning agents be used. The unit must not be dried using hot air or radiant heat. The unit should continue to provide protection to the designed specification for 2 to 3 years, when maintained in accordance with these instructions. Prior to each use the user should check that the unit is free from defects, such as cracks, split filters and hoses, cracked visors and helmet components as appropriate.

8. Storage and Transportation:

When not in use or during transportation the blower and head units should be stored in the container in which they were provided, or other similar container, such that it is out of direct sunlight, not in contact with solvents and cannot be damaged by physical contact with hard surfaces/items. Do not store outside the temperature range of 0°C to +40°C or with humidity above 75%RH.

9. List of Parts

Part Numbers and Descriptions

W4000-1	Protective Outer Welding Lens (3pk)
W4000-3	Protective Grinding Lens
W4000-4	Headband
W7000-1	Protective Inner Welding Lens (3pk),
W7000-2	Flame Retardant Belt for DW7000XL Filtration Unit
W7000-3	Airhose for DW7000XL Filtration Unit
W7000-4	Heavy-duty Battery for DW7000XL Filtration Unit
W7000-5	Battery Charger for DW7000XL Filtration Unit
W7000-6	Headband with Air-duct
W7000-7	Face seal Suits DW7000XL
W7000-8	PRSL Filter Suits DW7000XL
W7000-9	Pre-filter for DW7000XL PRSL Filter (10pk)
W7000-10	Replacement Auto Lens Suits DW7000XL

10. Fault finding:

If there is a sudden change in air supply while using the STRATA RESPIRATOR system, it is necessary to check the following:

- That all parts of the air-supply system are assembled properly.
- The battery and its connector.
- Whether the charger is not faulty or malfunctioning.
- Filters and their clogging.
- That there is not a hole in the air hose.
- Whether the hood seal is not damaged.
- Whether the working time after a full recharging of the battery has not decreased (if so, it is necessary to replace the battery).

Fault	Probable reason	Recommendation
The blower unit does not work at all	Entirely discharged battery. (verify if the blower unit works with another charged battery) Faulty motor, circuit board or connector	Charge the battery. (if problem persists, check the battery) Contact your supplier.
Low airflow	Blocked air hose or air duct. Leakage Battery is not charged enough. Blocked Filter or Pre Filter	Check and remove blockage. Check all seals, connectors and the air hose. Make sure that air cannot leak through holes or tears. Charge the battery (if problem persists, check the battery) Change the Pre – Filter. Then if the problem persists change the main filter.
Short operating time.	Clogged Filter. Battery is not charged properly.	Change the filters Charge the battery. (If problem persists, check the battery)
Battery cannot be charged.	Battery contact is damaged. Charger is faulty.	Check the battery contact. Contact your supplier.
Battery cannot be charged sufficiently.	Battery is worn out.	Install a new battery.

11. Technical data:

This powered respirator is light-weight and easy to handle. It is equipped with a replaceable particulate filter. The system affords reliable protection against particulates and aerosols.

Air flow	180 or 220 Litres/ min
Minimum flow rate	170 Litres/ min.
Weight with filter	920 grams
Type of filter	P R SL
Type of Battery	Replaceable + rechargeable Li-Ion 7.4V/5200Ah
Charging Cycles	>350
Actual Protection Factor (APF)	20
Noise level	65dBA

- Visual, audible alarm for low battery voltage and for insufficient flow rate (below 170L/min)
- Operating time greater than 8 hours on minimum flow rate with a new filter and fully charged battery in a clean environment. (5 hours on maximum flow rate.)

Note! Operating time can be shortened in case of clogged filter under changed battery
Certification EN 12941:1998+A1:2003+A2:2008

Filter Symbols:

- R = the filter is reusable for more than one shift.
- S = the filter protects against solid particles.
- L = the filter protect against liquid particles.

12. Warranty:

As part of an on-going commitment to excellence in product support, Euroquip offers a comprehensive product warranty program.

Warranty period for the DW7000XL:

Commercial Use: 24 Months

Domestic Use: 24 Months

Warranty covers failure caused by manufacturing and material defects in the product, during the warranty period specified. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Warranty does not cover parts that are subject to wear and tear from usage.

Warranty covers failure of a product caused by defective materials and/or manufacturing for the period given and the usage specified by Euroquip. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Warranty also does not cover failure caused by the untimely replacement or service of the above wearing parts. Evidence must be provided that the product has been maintained and serviced suitably for a claim to be considered under warranty.

Failure caused by incorrect operation of the product, lack of proper care and maintenance of the product, external damage, external circumstances such as contaminated fuel or poor water supply, modifications to the product, attempted repair/ service by a party other than an Approved Service Agent, is not covered under warranty.

Warranty does not cover pre delivery service and adjustment, or failure that may occur as a result of lack of/ incorrect pre delivery service and adjustment.

Warranty does not cover any incidental, indirect or consequential loss, damage or expense that may result from any defect, failure or malfunction of a product.

Should any issue be found to be a combination of a warranty failure and a non-warranty issue, the repair cost component to rectify and repair the non-warranty failure is the customers' full responsibility.

The decision that an issue with a product qualifies as a warranty claim is made at the sole jurisdiction of Euroquip.

No costs incurred will be considered under warranty if repairs are carried out by a party other than a Euroquip Approved Service Agent, unless with prior consent in writing from Euroquip.

It is the responsibility of the purchaser to deliver a product under warranty to the nearest relevant service agent or product reseller. Warranty does not cover call outs, mileage and freight costs.

If a product is repaired under warranty, parts and labour required for the repair will be supplied at no charge. Warranty assessment and repair will be scheduled and executed according to the normal work flow at the service location and depending on the availability of suitable replacement parts.

This warranty policy is an additional benefit and does not affect the legal rights of any end user, reseller or service agent.



Congratulations on your new STRATA product. We are proud to have you as our customer and will strive to provide you with the best service and reliability in the industry. This product is backed by our extensive warranty. To locate your nearest distributor or service agency visit www.strata.co.nz, or email us at CustomerService@euroquip.co.nz

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