Installation and Operation Guide
XR926A: AIRFED RESPIRATORY SYSTEM

COMPULSORY INFORMATION FOR THE USE OF A POWERED RESPIRATOR WITH HOOD TYPE HEAD UNIT

Please read these instructions carefully before unpacking the Parweld XR926A product. Failure to comply with the instructions in this leaflet may void your warranty and adversely affect your health. If you have any questions regarding the suitability of this product to your task, please contact an occupational hygienist or call the manufacturers technical help line.
Important:

This manual must be read and fully understood before using the Air Unit.

The manual must be retained for future reference.

**Compulsory Information For The Use Of A Powered Respirator With Hood Type Head Unit**

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1. **Introduction:**

The Parweld XR926A 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 Parweld XR926A has been designed and manufactured to comply with EN12941: 1998 as a TH2P R SL device. The 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 Parweld XR926A can only provide this level of protection when used with filters provided by the manufacturer marked “XR926A” and “EN12941:1998 TH2P”. The Parweld XR926A is supplied with the Parweld welding helmet XR916H. This is the same helmet as XR915H which is certified to EN175 F. The Parweld XR926A 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 this document to be able to use the Parweld XR926A respiratory protective system correctly.

When the blower unit is switched off little or no respiratory protection is to be expected. When switched off a rapid build up of carbon dioxide and depletion of oxygen within the head unit may occur and so it is essential that it is not used when the blower unit 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
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
- No water or other liquids are allowed to enter the unit (in particular the motor and fan, the filter or the battery)

Make sure that the headpiece fits the user’s face correctly to ensure that 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.

The Parweld XR926A 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 is 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 users 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 Parweld XR926A unit is a belt mounted powered respirator with a replaceable, disposable high efficiency particle filter system. The system is certified with the helmet XR916H and they cover head sizes from 535 to 600mm circumference.

The Parweld XR926A unit contains a removable 8 hour rechargeable battery pack.

The Parweld XR926A 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 visual alarm for a low battery and a multiple alarm – audible, visual with vibration for a blocked or missing 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 functions 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 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 it is damaged or if clogged to the point of triggering the systems alarm mechanism.

The removable rechargeable battery used is a lithium iron 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 including Battery and P R SL Filter and Pre Filter
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 by passing the inner strap through the back of the blower loops, through the 2 belt loops and then the buckle.

Fit the battery to the Blower unit:

Ensure the battery is this way up

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.

Tighten

Loosen
5.2.2. Particulate Filter:

Use only the Parweld XR926A filters and Pre Filters as supplied by Parweld Ltd. It should first be ascertained by consulting an occupational hygienist or by calling the manufacturers technical help line as to whether or not the Parweld XR926A 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.

The filter must be regularly checked (see Air Flow Test) and replaced. 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. Make sure that the new filter is within its expiry date, unused and not evidently damaged. From the hygienic point of view the maximum working time of a filter is 180 hours and should not be exceeded. It is prohibited to clean the filter by any procedure; used filters should be discarded.

5.2.3. Removing the Filter:

Open the filter cove by gripping the blower and pulling up the cover from the right hand side.

ATTENTION! Do not use tools to open the filter cover under any circumstances

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

5.2.4. Fitting a new Filter:

Inserting a new filter by putting it into position and using a rotating motion, gently push until it fits well on the body of the unit.

Closing the filter cover by snapping it into place. Ensure that the cover is snapped fully into the blower; 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 clips into place.

Fitting the hose to the hoods is the same procedure.

5.2.7. Donning the Welding Helmet

First set the welding helmet’s 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 ensuring that 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 adjusted by two arrow-buttons from 170 l/min up to 240 l/min.

The number of lit Green LED diodes shows the actual airflow level.

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 (i.e. an acoustic signal can be heard). At this point the user must check the blower unit. If possible, the microprocessor automatically reduces the airflow to the next 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 and the unit will vibrate. 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, some of the LED’s will flash red. Depending on the battery state, a number of the LED’s flashing red will indicate the amount of charge – a fully charged battery will show all red LED’s. 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 chapter 8 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
2. Insert the Airflow indicator into the air hose connector and keep the hose in a 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
4. If the indicator sinks is below the minimum flow rate level, it is necessary to charge the battery or change the filter. If the problem still persists, see section 8 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 and 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 4 to 6 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.
6. 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. Parweld recommends that ‘Incidur’ from Ecolad GmbH & Co. OHG is used for disinfecting. 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.

8. Fault finding:

If there is a sudden change in air supply while using the Parweld XR926A 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 (if so, diodes do not work)
- 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)

<table>
<thead>
<tr>
<th>Fault</th>
<th>Probable reason</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>The blower unit does not work at all</td>
<td>Entirely discharged battery. (verify if the blower unit works with another charged battery)</td>
<td>Charge the battery. (if problem persists, check the battery)</td>
</tr>
<tr>
<td></td>
<td>Faulty motor, circuit board or connector</td>
<td>Contact your supplier</td>
</tr>
</tbody>
</table>

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.
### Low airflow

<table>
<thead>
<tr>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blocked air hose or airduct</td>
<td>Check and remove blockage</td>
</tr>
<tr>
<td>Leakage</td>
<td>Check all seals, connectors and the air hose. Make sure that air can not leak through holes or tears</td>
</tr>
<tr>
<td>Battery is not charged enough</td>
<td>Charge the battery (if problem persists, check the battery)</td>
</tr>
<tr>
<td>Blocked Filter</td>
<td>Change the filter</td>
</tr>
</tbody>
</table>

### Short operating time

<table>
<thead>
<tr>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clogged Filter. Battery is not charged properly</td>
<td>Change the filter Charge the battery (If problem persists, check the battery)</td>
</tr>
</tbody>
</table>

### Battery cannot be charged

<table>
<thead>
<tr>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery contact is damaged</td>
<td>Check the battery contact</td>
</tr>
<tr>
<td>Charger is faulty</td>
<td>Contact your supplier</td>
</tr>
</tbody>
</table>

### Battery cannot be charged sufficiently

<table>
<thead>
<tr>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery is worn out</td>
<td>Install a new battery</td>
</tr>
</tbody>
</table>

### 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.
### List of Parts and Assembly Drawing:

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>DESCRIPTION</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Face Seal</td>
<td>XR260</td>
</tr>
<tr>
<td>2</td>
<td>Head Gear and Air Duct Assembly</td>
<td>XR261</td>
</tr>
<tr>
<td>3</td>
<td>Hose and Cover Assembly</td>
<td>XR262</td>
</tr>
<tr>
<td>4</td>
<td>Belt</td>
<td>XR264</td>
</tr>
<tr>
<td>NI</td>
<td>Universal Charger</td>
<td>XR265</td>
</tr>
<tr>
<td>5</td>
<td>Battery</td>
<td>XR266</td>
</tr>
<tr>
<td>6</td>
<td>Blower Unit</td>
<td>XR269</td>
</tr>
<tr>
<td>7</td>
<td>Filter</td>
<td>XR267</td>
</tr>
<tr>
<td>8</td>
<td>Pre Filter</td>
<td>XR268</td>
</tr>
</tbody>
</table>
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: 170 to 240 Litres/ min.
Minimum flow rate 170 Litres/ min.
Weight with filter: 920 grammes
Type of filter: P R SL

Type of Battery:
Replaceable and rechargeable Li-Ion 7.4V/5200Ah

Charging Cycles >350
Visual alarm for low battery voltage.
Visual, audible alarms and vibration alarms for insufficient flow rate (below 170L/min) and missing filter
Actual Protection Factor (APF) 20
Noise level: 65dBA
Operating time greater than 8 hours on minimum flow rate with a new filter and fully charged battery in a clean environment (6 hours on maximum flow rate).

Note! Operating time can be shortened in case of clogged filter under changed battery

Certified by: DEKRA-EXAM GmbH

Symbols:

Refer to the manufacturers instruction manual
Store between 0 – 40 Degrees C
Best before 2014 / 05
Maximum storage Humidity <75%

Filter Symbols:
R = this means the filter is reusable for more than one shift.
S = means the filter protects against solid particles.
L = means the filter protect against liquid particles.

12. Warranty:

The Parweld XR926A Blower unit is guaranteed for a period of 12 months from date of purchase against mechanical or electrical defects.

The Parweld XR926A battery is guaranteed for a period of 6 months from the date of purchase.

The Company undertakes to exchange or repair without charge, any part found to be defective within this period. Alternatively and at it’s discretion the Company may replace.

This guarantee is subject to:-

The The Parweld XR926A unit has been used solely for the purpose for which it is intended.

The The Parweld XR926A unit has not been subject to misuse, accident, modification or repair.

N.B. In the event of a claim, contact the retailer from which the The Parweld XR926A unit was purchased.

This guarantee does not cover normal wear and tear.

This guarantee does not affect your legal rights.
User Instruction Manual for The Parweld XR926A – Particle Filter P R SL: XR267

Please read the user instruction manual before using the respiratory system and be aware of the following points:

- The person using the respiratory system must have read the user manual and fully understood the functions and settings on the PAPR system
- The Oxygen level in the working area must be minimum 17% Volume
- Areas lacking in ventilation, such as man-holes, containers, working inside pipe lines should not be entered with our PAPR system carrying the P R SL filter or areas where contaminants are above 20 times the relevant exposure level
- The composition of the fumes generated during the welding process must be known
- Particle filters can’t be used to filter organic fumes and vapors
- If work is required in areas with particles, fumes and vapors you will need a combination filter with the adequate PAPR system
- The Parweld XR926A respirator system must be used according to the concentration of fumes and vapors in the ambient air
- P R SL article filter must be user in combination with a tested The Parweld XR926A blower unit
- Do not use The Parweld XR926A respiratory systems in areas were explosions might occur
- If the blower unit acoustic alarm sounds please leave immediately the working area and get into a non-contaminated environment
- Use the respiratory system in conditions where the temperature is not below 0°C and maximum of +40°C

All products returned for warranty replacement will be accepted only if the unit has been cleaned, inspected and the P R SL filter replaced with regularity.

Warning

- Use only particle filters produced by Parweld Ltd
- It should first be ascertained by consulting an occupational hygienist or by calling the manufacturers technical help line as to whether or not The Parweld XR926A Filter will offer suitable protection from the hazard
- Please use P R SL filters packed in original packaging only, unsealed products should not be used
- P R SL filters with damaged sealing gasket or any visible damage to the casing should not be used

Fault Finding

- Should the alarm sound on The Parweld XR926A blower please leave the working area and inspect the unit in a non-contaminated working place
- With the Parweld XR926A powered remove the P R SL filter to establish if the blockage of the filter is causing the alarm to sound; if the alarm still sounds after removing the filter it may be that the unit needs re-charging
- The Parweld XR926A blower unit will ring for 4 seconds once powered; if the alarm still sound after 4 seconds please check if the hose has a blockage; otherwise the battery needs re-placing or re-charging
- Inspect the blower unit and reassure the P R SL filter is sealed; only then assemble the new filter into the blower

Removing the Filter

Pull open the filter cover and remove the filter with a slight twist and pull action.

Fitting the Filters

After first having checked the filter for any damage, place the filter over the air inlet and push onto the seal with a slight twisting action. Then snap the filter cover closed.
Filter markings

P R SL-Filter, part number: XR267

Colour marking: White
Manufacturer’s name: Parweld Ltd
Meets EN norms: EN12941:1998
Notified body number: 0158
Product label: see filter label

Applications

The P R SL Filter can be used against the majority of particles (hard particles, fluid-aerosols, bacteria, viruses and enzymes); against radioactive dust, microorganisms and enzymes the P R SL filter should be used only once.

Storage

The PSL Filters should be stored in a dry, clean area, in the temperature range of 0°C to +40°C and relative humidity less than 75%RH. The Filters must be protected from dust, particles and other contamination when stored.

Product life

The P R SL Filter life-time depends on the conditions and the concentrations of particles where this product is being used as well. as the length of time the system is being used by the operator

Symbols:
Refer to the manufacturers instruction manual
Store between 0 – 40 Degrees C
Best before 2014 / 05
Maximum storage Humidity <75%

Attention – Never use second hand Filters
User Instruction Manual for the Parweld XR625A – Battery Charger

The light and easy to transport charger complies with the European safety standards.

Please read these instructions carefully; they contain important operation and safety descriptions. Save these operating instructions carefully.

Features

• The Parweld charger is suitable for Lithium-ion battery packs only and has been provided with a short circuit protection device
• Each charger has quick-change socket power adapter for various mains (see picture below). It uses CC/CV technology and it is designed to quick charge 2-4 cells Lithium–Ion battery packs with a capacity of 4000-4300mAh.

Only use this charger with batteries that meet the specifications on the chart below: First connect its DC output plug to the battery and then connect its AC input plug to 100-240VAC mains power before switching on the mains power point; ensure the correct charging lights are illuminated; please check with the label on the rear of the charger.

It is normal that the charger and the battery might warm up (below 50°C) during charging; otherwise please stop using it. Please disconnect the charger AC input plug first and then disconnect the DC output plug when charging is finished. When the Red LED is showing the batteries are fully charging; when the Green LED is illuminated the batteries are fully charged.

Safety

Do not charge any other batteries; do not open the charger any repairs should be done by the manufacturer
Do not attempt to take the unit apart, this will end the warranty and if plugged into the mains electric supply will give risk of electric shock or fire.

Never expose the charger to any water, rain or snow

Don’t use the charger with visible damage; contact your supplier or other professional person to make repairs

If the charger is not used in accordance with this manual you may risk causing a fire, electric shock or personal injury; please read carefully all the instructions and warnings on the charger, battery and product to be charged before using it.

Attention: Please ONLY charge up the correct type of rechargeable battery to reduce the possibility of injury. Otherwise it may cause explosion, personal injury or other damages.

Environmental

Batteries are small chemical waste. Throw away broken or used up batteries in a special container or hand them in at a recycling centre.

Technical Specifications

• Working voltage range: 110Vac – 240Vac; 50, 60Hz
• Rated current: 150mA
• Operating temperatures: 0°C to 40°C
• Operating relative humidity: Less than 75% RH
WEEE Statement

WEEE (Waste Electrical & Electronic Equipment)
2002/96/EC

In relation to implementing the legislation, Parweld has established relevant recycling and recovery methods. We have been fully compliant against the marking requirements since August 2005. Parweld is registered in the UK with the Environment agency as detailed below. For WEE compliance outside the UK please contact your supplier/Importer.

Parweld is registered with a compliance scheme
Official registration number is WEE/FD0255QV

When your equipment reaches the end of its service life you should return it to Parweld where it will be reconditioned or processed for recycling.

Purchaser’s rights under this warranty are void if the product is sold to purchaser by non-authorized persons.

The warranty is effective for the time stated below beginning on the date that the authorized Distributor delivers the products to the purchaser. Notwithstanding the foregoing, in no event shall the warranty period extend more than the time stated plus one year from the date Parweld delivered the product to the authorized distributor.
EC DECLARATION OF CONFORMITY

The manufacturer, or its legal representative supplier in the European Community Parweld Ltd, declares that the equipment described hereafter conforms to the provisions of the European Council

Type: XR926A


This is to certify that the tested sample is in conformity with all provisions of the above detailed EU directives and product standards.

RoHS Compliance Declaration


Restriction of use of certain hazardous substances in electrical and electronic equipment

The above listed products are certified to be compliant with the RoHS directive with all homogeneous component parts being controlled to ensure material contents as per the list below.

- Cadmium 0.01% by weight
- Lead 0.1% by weight
- Mercury 0.1% by weight
- Hexavalent chromium 0.1% by weight
- Polybrominated biphenyl’s (PBBS) 0.1% by weight
- Polybrominated diphenyl ethers (PBDES) 0.1% by weight

It should be noted that under specific exempted applications, where lead is used as an alloying element the following limits are applied in accordance with the regulations.

- Copper and copper alloy parts use less than 4% by weight of each homogeneous component.
- Steel and steel alloy parts use less than 4% by weight of each homogeneous component.
- Aluminium and aluminium alloy parts use less than 4% by weight of each homogeneous component.

Only dispose off in authorised sites for electrical and electronic waste do not dispose of with general refuse or landfill waste.

Jonathan Websdell
Technical Manager