

# XR943A PAPR

**EN** Powered Air Purifying Respirator (PAPR) Assembly  
User Instructions



UK  
CA CE

parweld   
WELDING THE FUTURE

## EN English

### IMPORTANT:

Before use, the wearer must read and understand these User Instructions. Keep these User Instructions for reference.



### **! WARNING**

This product is part of a system that helps protect against certain airborne contaminants. Misuse may result in sickness or death. For proper use, see supervisor, User Instructions.

## Foreword

### Contact Information

Read all instructions and warnings before using. Keep this User Instruction for reference. If you have questions regarding these products contact Parweld Technical Service [www.parweld.com](http://www.parweld.com).

### System Description

The PAPR assembly is designed to be used with the Parweld headgear to form a complete approved respiratory system. When used in accordance with its CE approval, PAPR assemblies help provide respiratory protection against particulates. The XR943A PAPR does not provide protection against vapors or gases and is not an intrinsically safe system.

The belt mounted assemblies consist of a motor/blower unit, high efficiency filter, waist belt, and lithium ion battery pack. The motor/blower unit draws ambient air through its high efficiency filter and supplies filtered air to the headgear via a breathing tube. The blower unit is equipped with automatic flow control; the motor speed is regulated during operation to compensate for the charge state of the battery pack and the increasing level of airflow resistance caused by filter loading. Should the airflow fall below the minimum design flow rate, an audible alarm will sound and the red fan shape LED on the blower unit will flash to warn the user to immediately leave the contaminated environment. Similarly an audible and visual low battery alarm will activate when the battery pack has approximately 10-15 minutes of charge remaining to warn the user to leave the contaminated area.

**! WARNING**

Properly selected, used, and maintained respirators help protect against certain airborne contaminants by reducing concentrations in the wear's breathing zone below the Occupational Exposure Limit (OEL). It is essential to follow all instructions and government regulations on the use of this product, including wearing the complete respirator system during all times of exposure, in order for the product to help protect the wearer. **Misuse of respirators may result in overexposure to contaminants and lead to sickness or death.** For proper use, see supervisor, refer to the product User Instructions.

**Limitations of Use**

Do not wear this respirator system to enter areas where:

- Atmospheres are oxygen deficient;
- Contaminant concentrations are unknown;
- Contaminant concentrations are Immediately Dangerous to Life or Health (IDLH);
- Contaminant concentrations exceed the maximum use concentration (MUC) determined using the Assigned Protection Factor (APF) for the specific respirator system or the APF mandated by specific government standards, whichever is lower.

**Immediately exit the contaminated area if any of the low battery or low airflow alarms activate.**

Refer to the User Instructions provided with the applicable headgear and the additional cautions and limitations under these User Instructions.

The recommended operating altitude range of the XR943A PAPR is approximately sea level to 2600 feet (800 metres).

Do not use in environments subject to high magnetic fields.

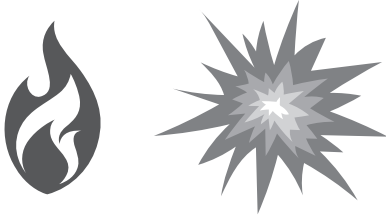
## List of Warnings within these User Instructions

### ! WARNING

1. This product is part of a system that helps protect against certain airborne contaminants. **Misuse may result in sickness or death.** For proper use see User Instructions.
2. The Parweld Powered Air Purifying Respirator Assembly is not intrinsically safe. Do not use in flammable or explosive atmospheres. **Doing so may result in serious injury or death.**
3. Always correctly use and maintain the filter assembly. **Failure to do so may reduce respirator performance, overexpose you to contaminants, and may result in sickness or death.**
  - a. Inspect filter and gasket(s) before first installation or reinstallation of a filter, replace if damaged.
  - b. Always properly install the filter into the blower unit.
  - c. Keep sealing gasket(s) clean.
  - d. Never attempt to clean filter by knocking or blowing out accumulated material. Doing so will damage the filter media.
  - e. Store the filter as described in these User Instructions within the recommended storage temperature conditions and observe filter expiration dates.
4. **Failure to follow these User Instructions may reduce respirator performance, overexpose you to contaminants, and may result in injury, sickness, or death.**
  - a. Do not use with parts or accessories other than those manufactured by Parweld as described in these User Instructions or on the CE approval label for this respirator.
  - b. The Parweld Powered Air Purifying Respirator XR943A PAPR Assembly is one component of an approved respiratory protection system. Always read and follow all User Instructions supplied with your Parweld headgear and other system components in order to ensure correct system operation.
5. Always correctly use and maintain the lithium ion battery packs. **Failure to do so may cause fire or explosion or could adversely affect respirator performance and result in injury, sickness, or death.**
  - a. Do not charge batteries with unapproved chargers, in enclosed cabinets without ventilation, in hazardous locations, or near sources of high heat.
  - b. Charge in an area free of combustible material and readily monitored.
  - c. Do not immerse.
  - d. Do not use, charge, or store batteries outside the recommended temperature limits.
6. Dispose of lithium ion battery packs according to local environmental regulations. Do not crush, disassemble, dispose of in standard waste bins, in a fire or send for incineration. **Failure to properly dispose of battery packs may lead to environmental contamination, fire or explosion.**
7. To reduce exposure to hazardous voltage:
  - a. Do not attempt to service the chargers. There are no user-serviceable parts inside.
  - b. Do not substitute, modify or add parts to the chargers.
  - c. Inspect the chargers and power cords before use. Replace if any parts are damaged.
  - d. Do not use the chargers outdoors or in wet environments areas.

# ! WARNING

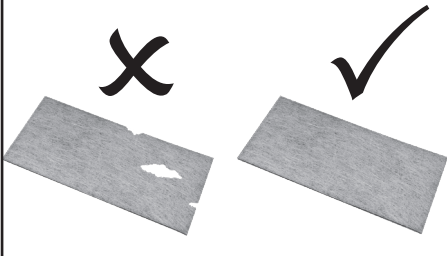
**DO NOT USE IN FLAMMABLE OR EXPLOSIVE ENVIRONMENTS**



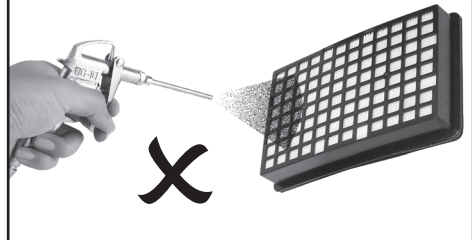
**INSPECT EQUIPMENT BEFORE EACH USE**



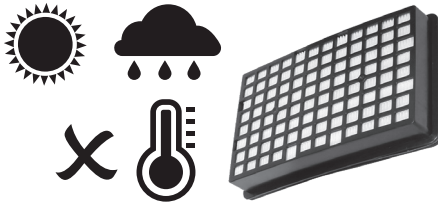
**ENSURE FILTER AND SEAL IS NOT DAMAGED**



**DO NOT CLEAN FILTER WITH AIR LINE**

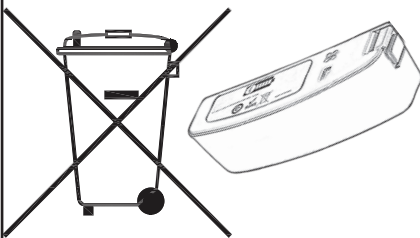


**STORE FILTER IN A COOL DRY PLACE**

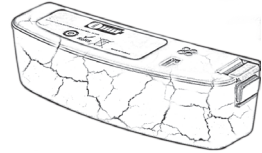


**CHECK FILTER EXPIRY DATE, BEFORE USE**

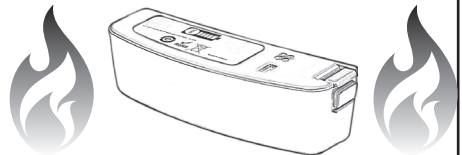
**DISPOSE OF BATTERY PROPERLY**



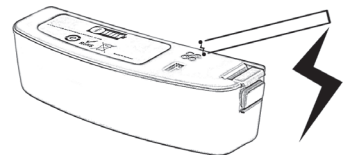
**DO NOT USE A DAMAGED BATTERY**



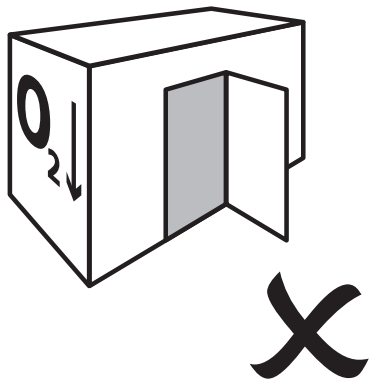
**DO NOT BURN BATTERY**



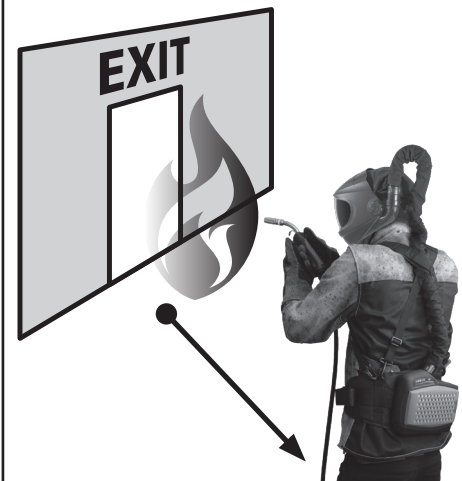
**DO NOT SHORT CIRCUIT BATTERY**



**DO NOT USE IN FLAMMABLE OR  
EXPLOSIVE ENVIRONMENTS**



**EXIT THE FUME AREA IF THE LOW  
BATTERY OR AIR FLOW ALARM SOUNDS**

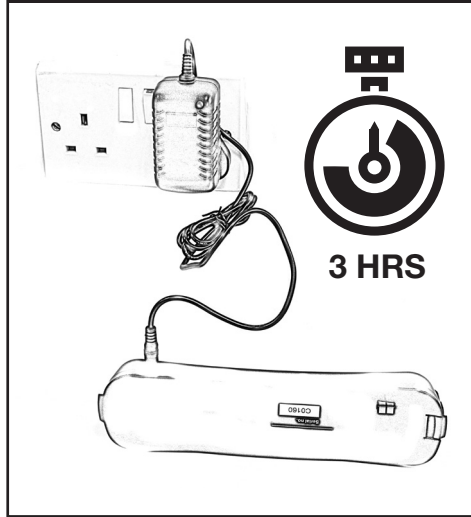


**UNPACK AND CHECK CONTENTS**

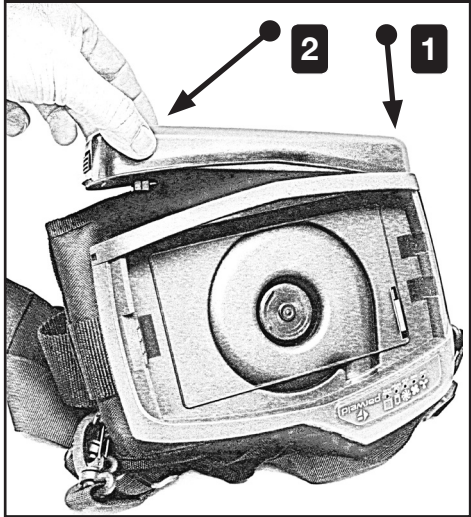
**HELMET, BAG, BLOWER,  
CHARGER, BATTERY,  
HOSE AND FILTERS**



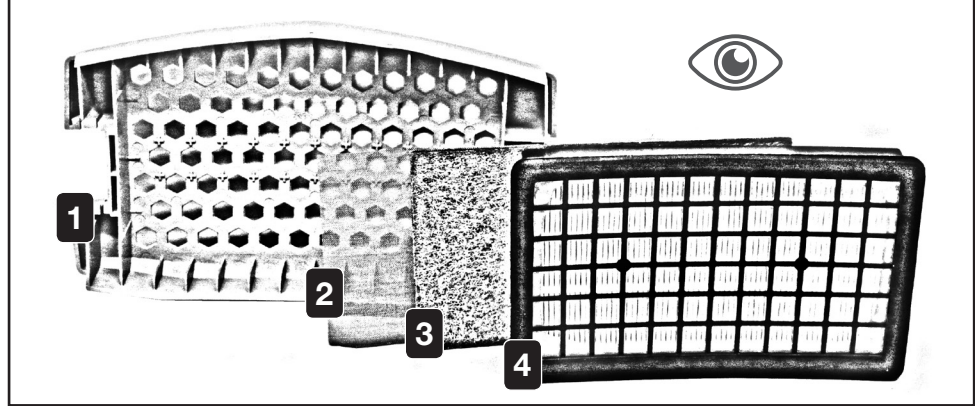
**CHARGE FOR 3 HOURS BEFORE FIRST USE**



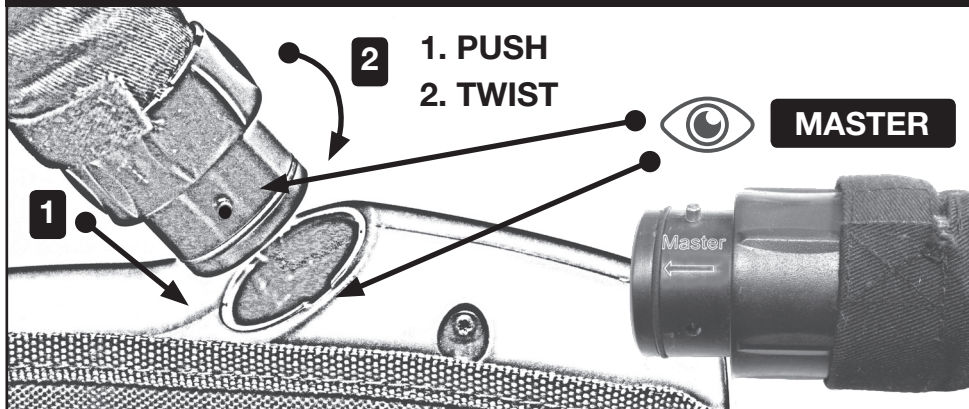
**INSTALL BATTERY**



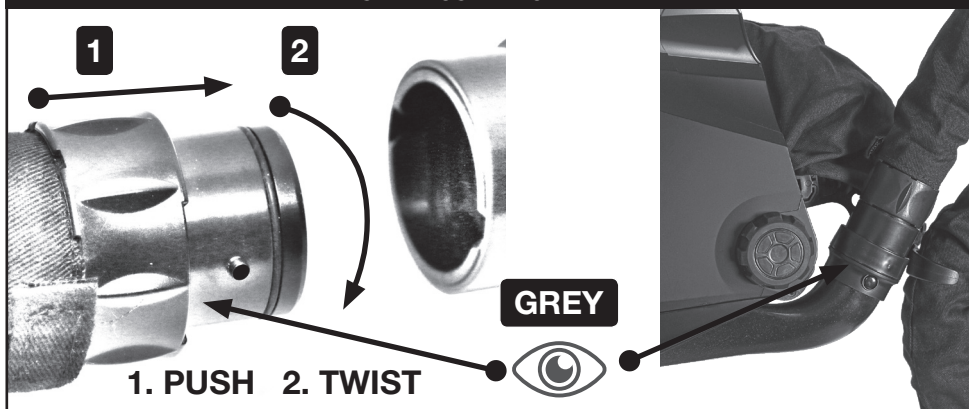
**INSTALL FILTERS 1, 2, 3 and 4**



**INSERT HOSE IN TO BLOWER**



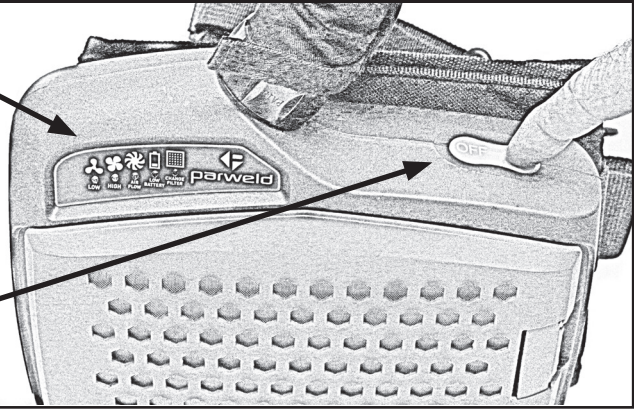
**INSERT HOSE IN TO HELMET**



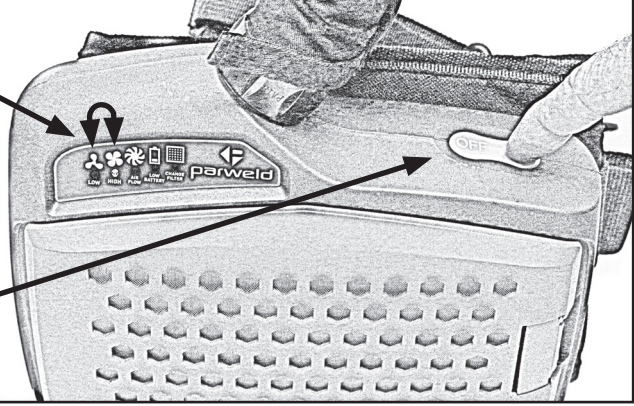
**PRE USE INSPECTION**



SWITCH ON



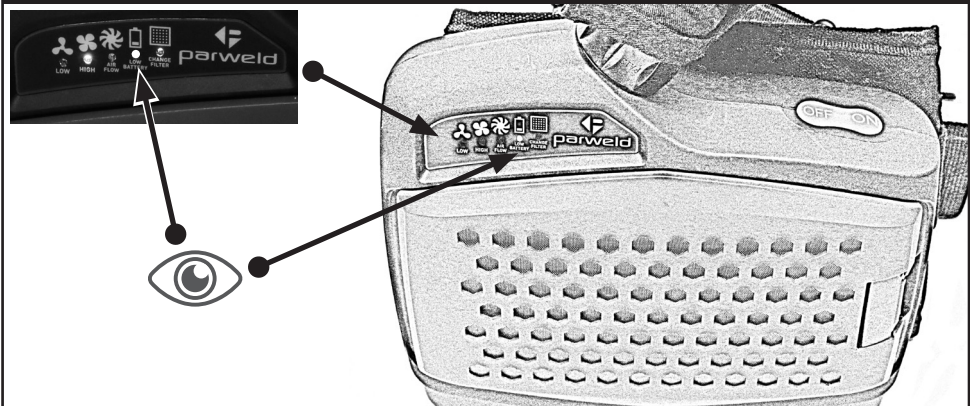
INCREASE OR DECREASE THE FLOW RATE FROM 170 TO 220 l/min



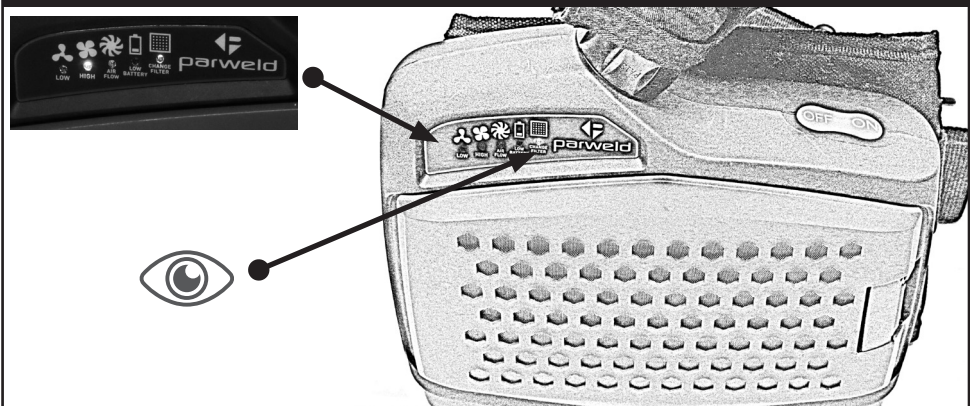
LOW AIR FLOW – MOVE AWAY FROM CONTAMINATED AREA AND INSPECT FOR BLOCKAGES



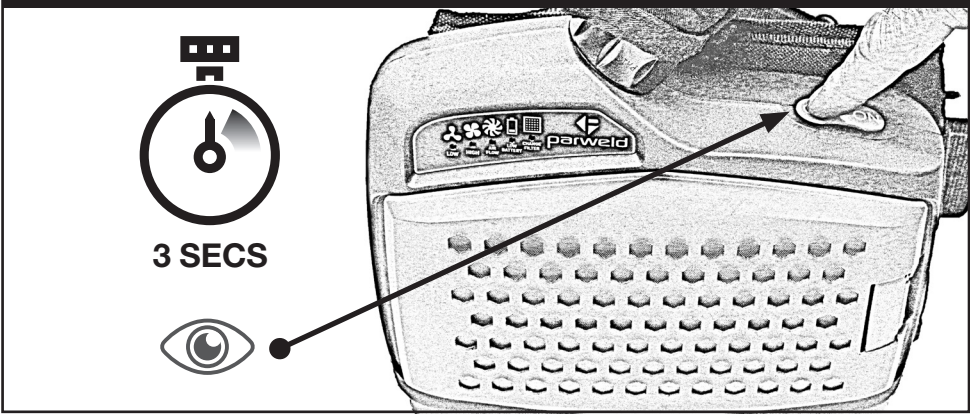
**LOW BATTERY – MOVE FROM CONTAMINATED AREA AND RECHARGE/REPLACE THE BATTERY**



**FILTER BLOCKED – MOVE FROM CONTAMINATED AREA AND REPLACE FILTER**



**SWITCH OFF**



WEAR AROUND WAIST WITH OR WITHOUT SHOULDER STRAP



**PAPR SPARE PARTS LIST**



**PAPR SPARE PARTS LIST**

Item	Part Number	Description	Pk Qty
1	XR1003	Blower unit without belt (no filters but with cover)	1
2	XR1004	Filter cover with purple catch	1
3	XR1005	Spark Arrestor	1
4	XR1006	Carbon Pre-filter	10
5	XR1007	P3 HEPA filter	1
6	XR1008	Comfort belt with shoulder straps	1
7	XR1109	Flex air hose (inc Flame Retardant cover) 1.05m	1
8	XR1108	Flame Retardant hose cover 1.05m	1
9	XR1016	BATTERY Li/ion	1
10	XR1017	Universal charger	1
11	XR1001	Nylon carry bag	1



## P APR SPARE PARTS LIST



Item	Part Number	Description	Pk Qty
21	XR1020	XR943 Helmet with face seal and air duct	1
22	XR1021	Air duct, and internal diffuser assembly	1
23	XR372	Sweat band for head gear	1
24	XR344	Hose clip for headband (Rotate clockwise to remove)	1
24	XR343	Complete head band with hose clip	1
25	XR1022	Face seal and fixing kit	1
26	XR423	Front cover lens	1
27	XR433	Curved grinding lens	1

Note:- for detailed parts breakdown of welding helmet refer to XR943H user manual





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