ProLine-AIR

Powered Air Purifying Respirator (PAPR)

User Instructions

PRO LINE AIR

ENG-WELD

Premium Welding Products

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Powered Air Purifying Respirator (PAPR) Assembly
Ensemble respirateur d'épuration d'air propulsé
Respirador Purificador de Aire Forzado (PAPR)
Instalação do Respirador Purificador de Ar Motorizado (PAPR)

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

IMPORTANT: Avant de se servir du produit, l'utilisateur doit lire et comprendre les présentes directives d'utilisation. Conserver ces directives d'utilisation à titre de référence.

IMPORTANTE: Antes de usar el producto, el usuario debe leer y entender estas Instrucciones. Conserve estas Instrucciones para referencia futura.

IMPORTANTE: Antes de usar, o usuário deve ler e compreender este Manual de Instruções. Guarde este Manual de Instruções para futura referência.

⚠ 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.

⚠ MISE EN GARDE

Ce produit fait partie d'un système qui protège contre certains contaminants en suspension dans l'air. Une mauvaise utilisation peut provoquer des problèmes de santé ou la mort. Pour tout renseignement sur l'utilisation adéquate de ce produit, consulter son superviseur, lire les directives d'utilisation ou communiquer.

⚠ ADVERTENCIA

Este producto es parte de un sistema que ayuda a proteger contra ciertos contaminantes suspendidos en el aire. El mal uso puede ocasionar enfermedad o incluso la muerte. Para su uso adecuado consulte a su supervisor, lea las Instrucciones.

⚠ ADVERTÊNCIA

Este produto faz parte de um sistema que ajuda a proteger contra determinados contaminantes suspensos no ar. O uso incorreto do mesmo pode causar enfermidade ou morte. Para seu uso correto, converse com o supervisor, consulte o Manual de Instruções.

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FOREWARD

Contact Information

Read all instructions and warnings before using. Keep this User Instruction for reference. If you have questions regarding these products contact Pro Line Technical Service **www.engweld.co.uk**.

System Description

The PAPR assembly is designed to be used with the ProLine 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 ProLine-AIR does not provide protection against vapors or gases and is not an intrinsically safe system.

The ProLine-AIR 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 ProLine-AIR is approximately sea level to 2600 feet (800 metres).

Do not use in environments subject to high magnetic fields.

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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 Pro Line Powered Air Purifying Respirator ProLine-AIR 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 Pro Line as described in these User Instructions or on the CE approval label for this respirator.
   b. The Pro Line Powered Air Purifying Respirator ProLine-AIR Assembly is one component of an approved respiratory protection system. Always read and follow all User Instructions supplied with your Pro Line 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.

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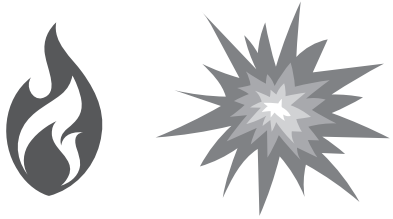
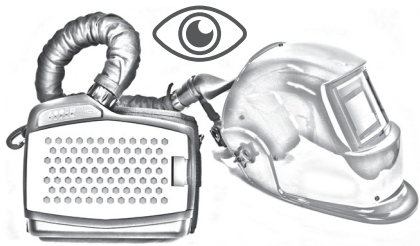
⚠ WARNING

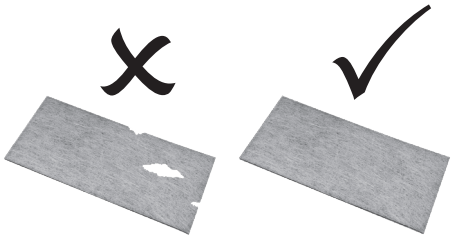
DO NOT USE IN FLAMMABLE OR EXPLOSIVE ENVIRONMENTS



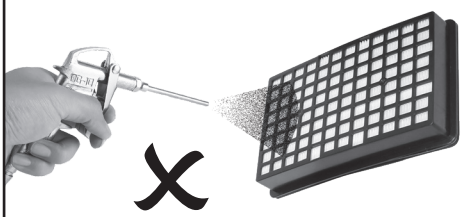
INSPECT EQUIPMENT BEFORE EACH USE



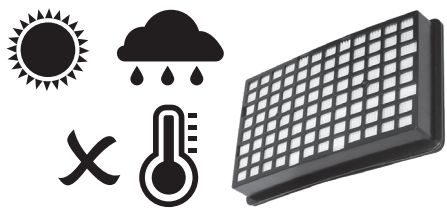
ENSURE FILTER AND SEAL IS NOT DAMAGED



DO NOT CLEAN FILTER WITH AIR LINE

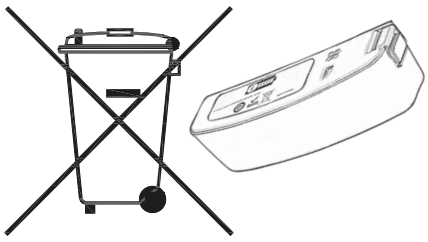


STORE FILTER IN A COOL DRY PLACE

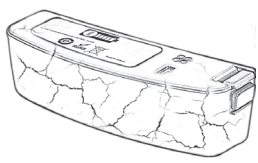


CHECK FILTER EXPIRY DATE, BEFORE USE

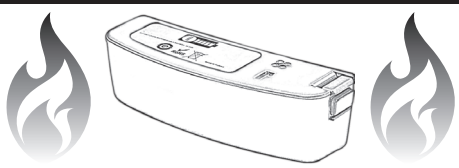
DISPOSE OF BATTERY PROPERLY



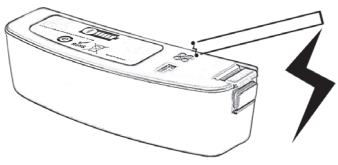
DO NOT USE A DAMAGED BATTERY



DO NOT BURN BATTERY



DO NOT SHORT CIRCUIT BATTERY



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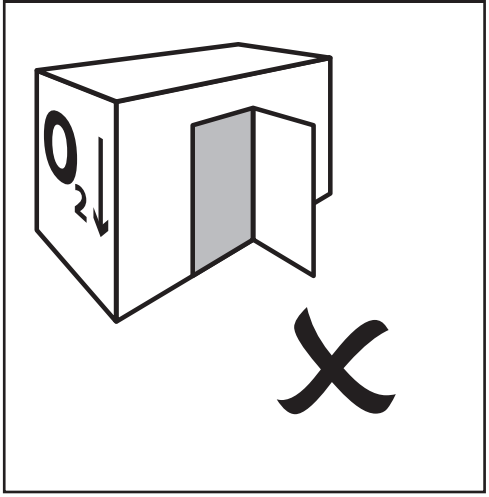
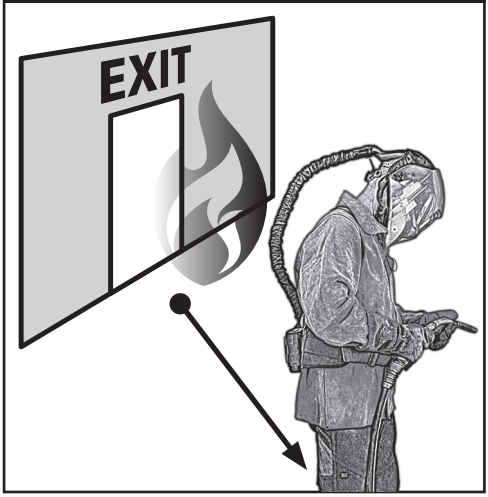
DO NOT USE IN FLAMMABLE OR EXPLOSIVE ENVIRONMENTS

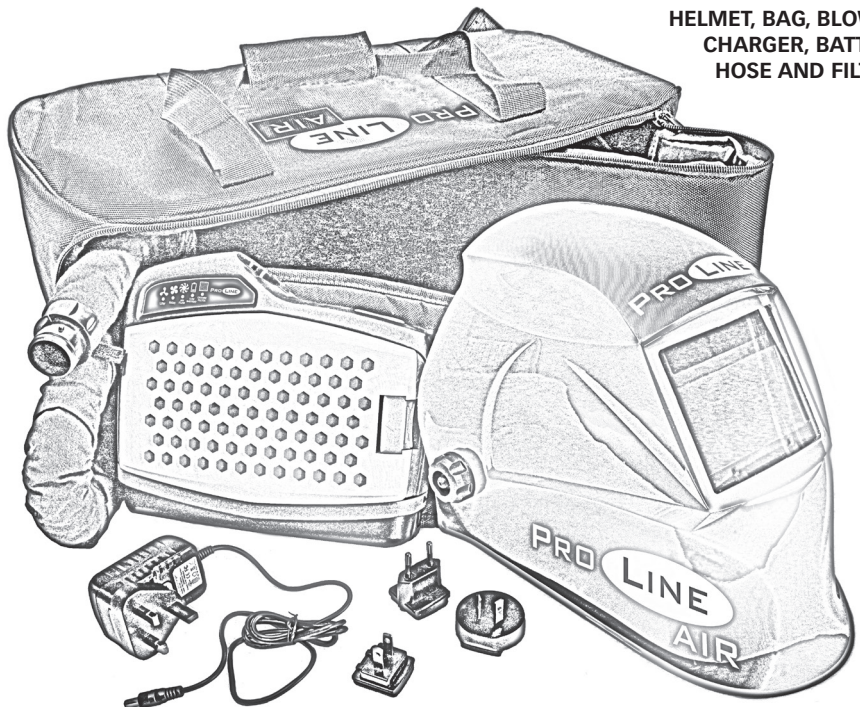


EXIT THE FUME AREA IF THE LOW BATTERY OR AIR FLOW ALARM SOUNDS



UNPACK AND CHECK CONTENTS

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



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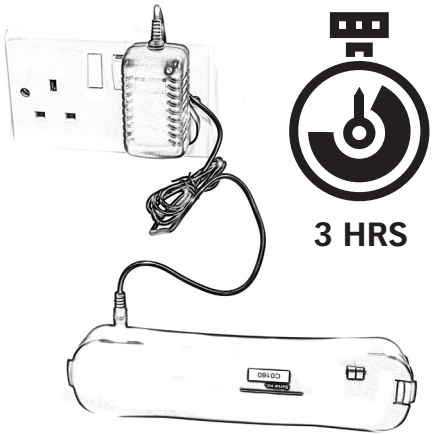
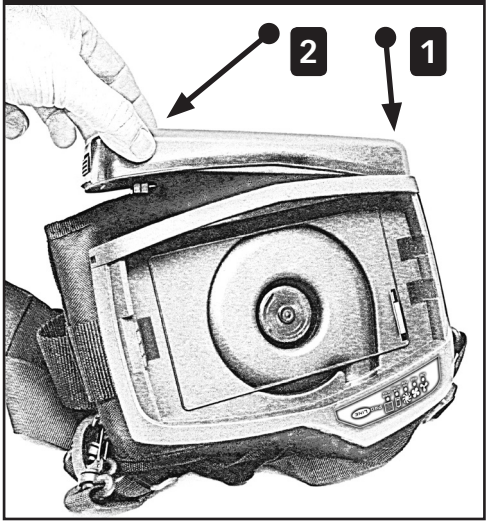
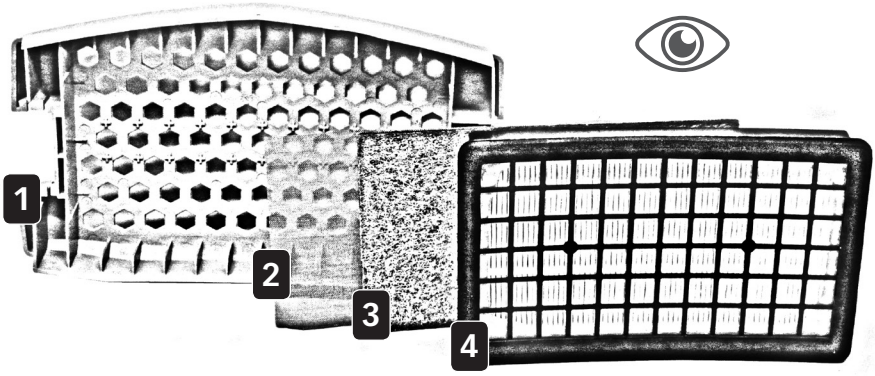
CHARGE FOR 3 HOURS BEFORE FIRST USE



INSTALL BATTERY



INSTALL FILTERS 1, 2, 3 and 4



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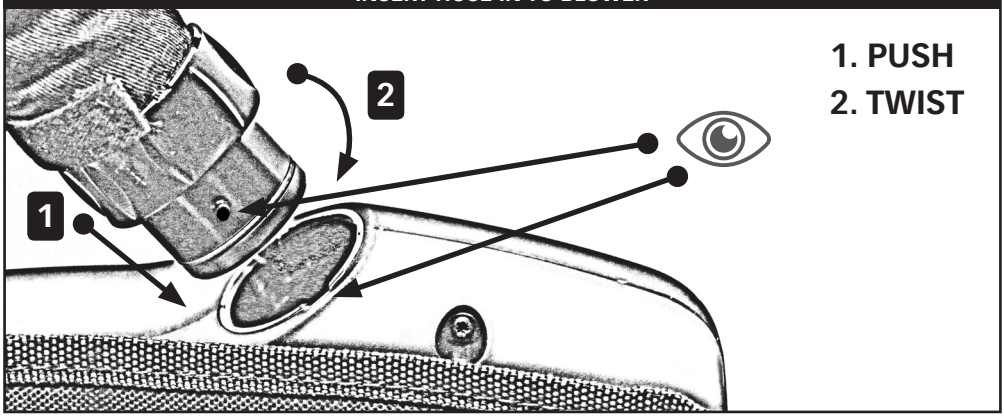
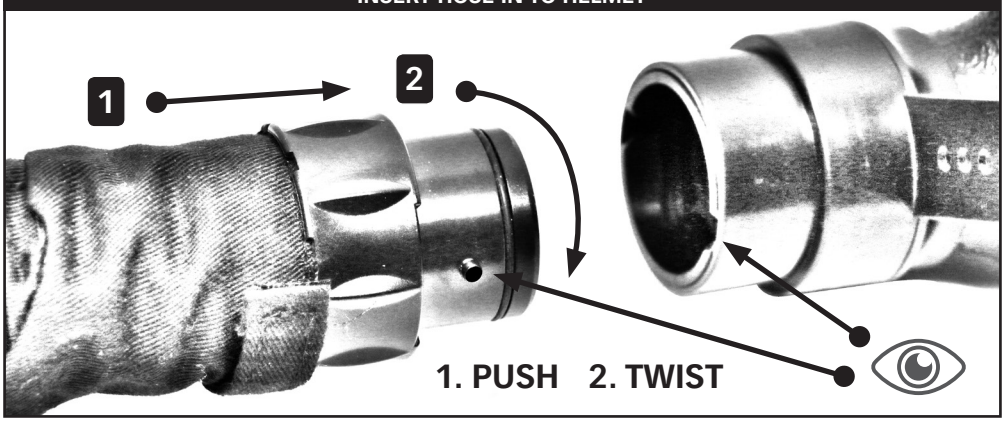
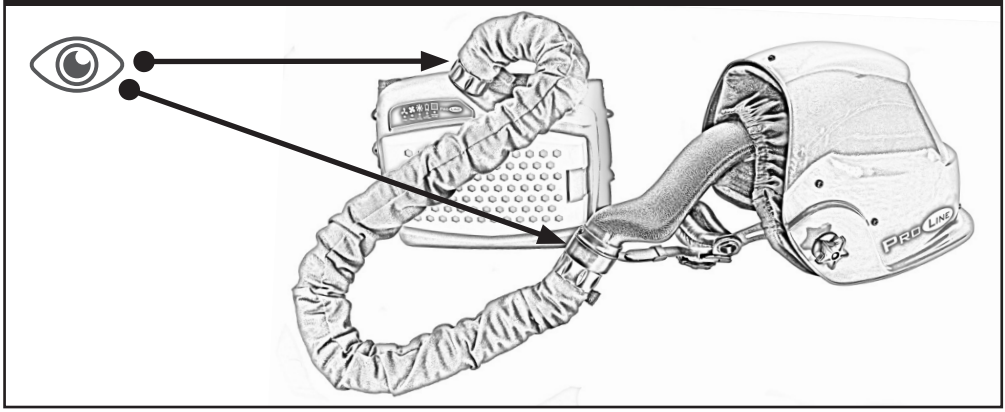
INSERT HOSE IN TO BLOWER



INSERT HOSE IN TO HELMET



PRE USE INSPECTION



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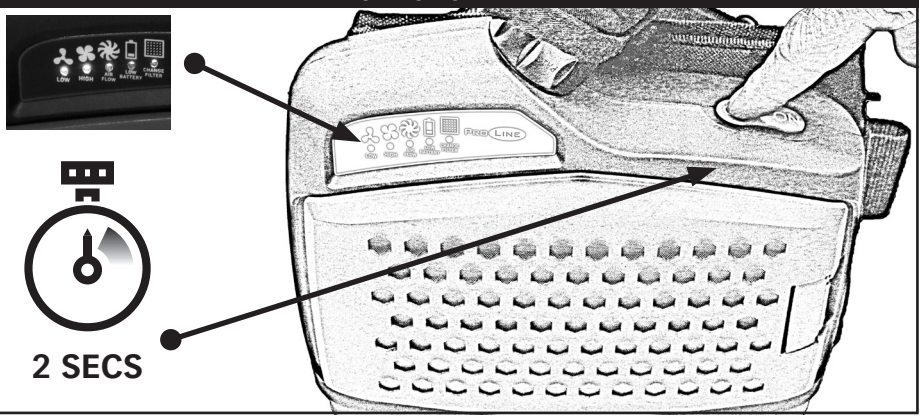
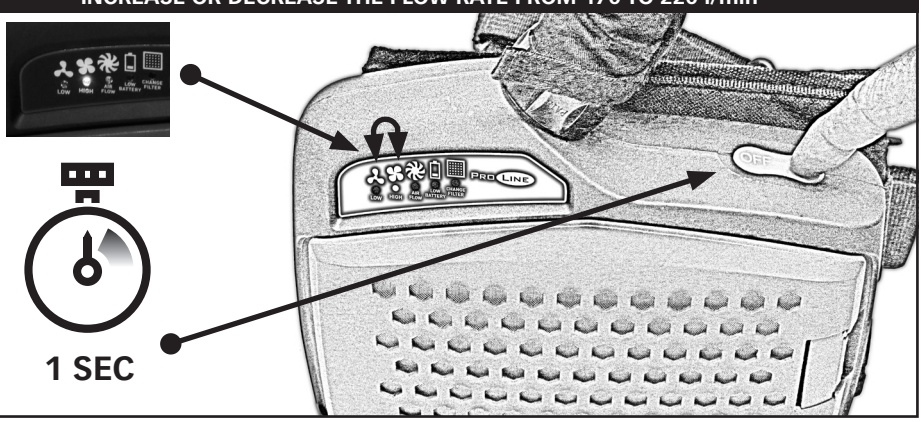
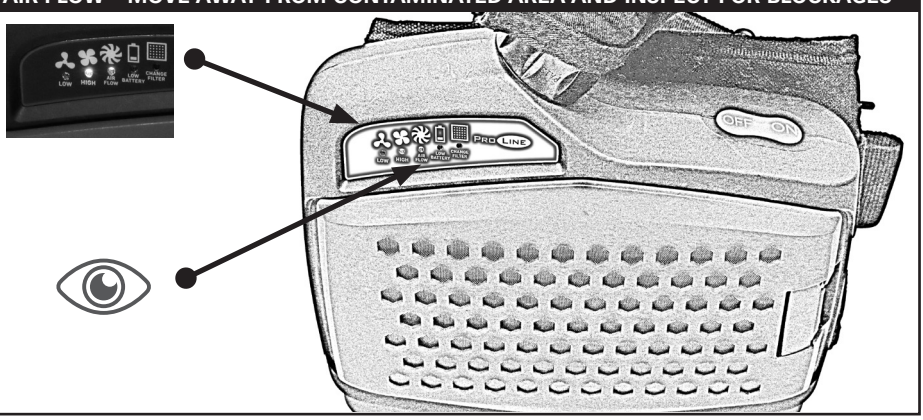
SWITCH ON



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



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



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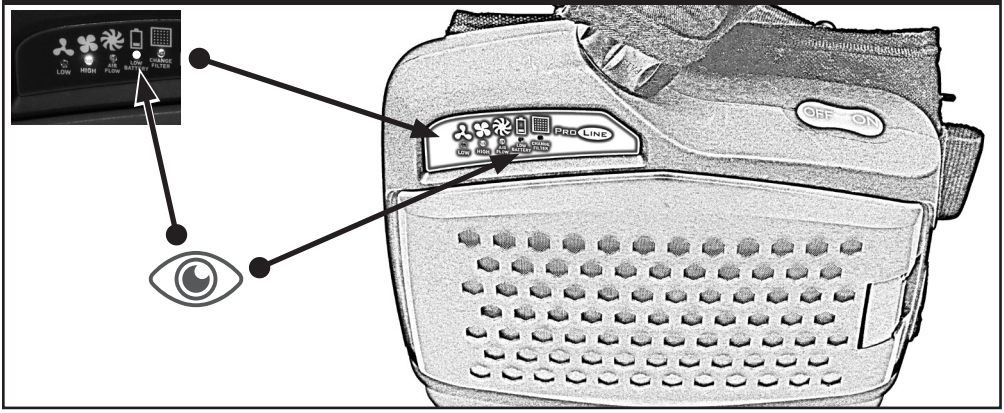
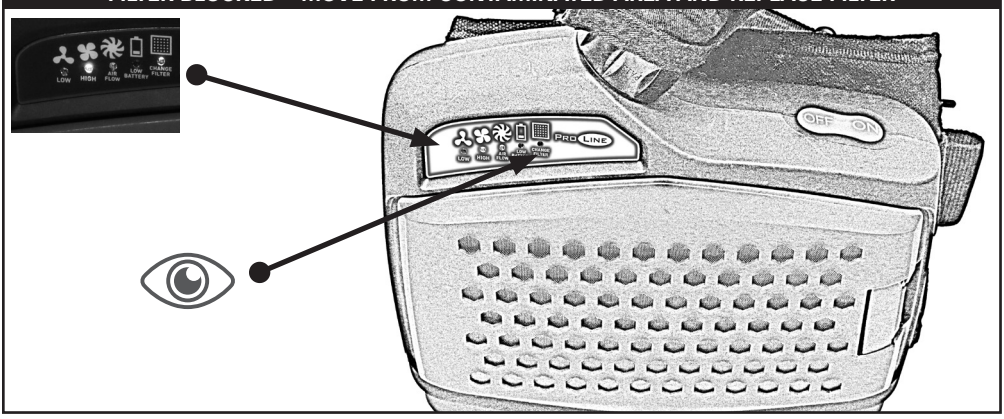
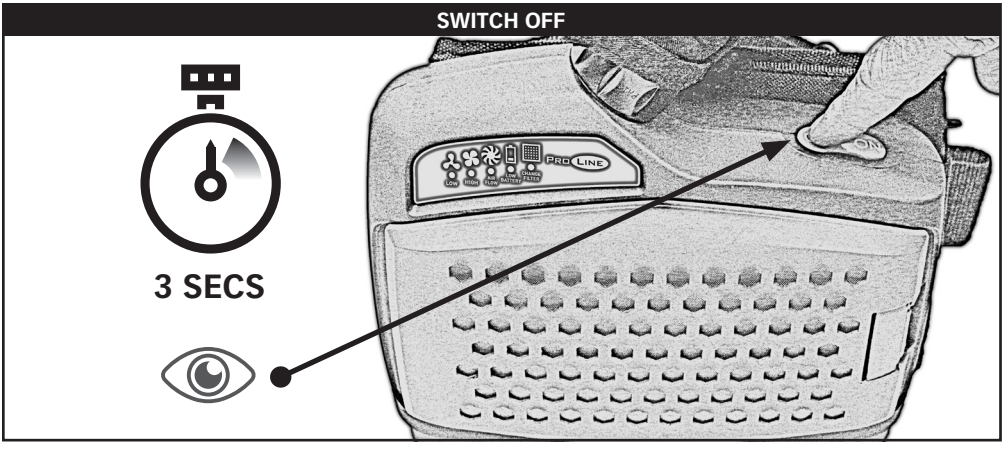
LOW BATTERY – MOVE FROM CONTAMINATED AREA AND RECHARGE/REPLACE THE BATTERY



FILTER BLOCKED – MOVE FROM CONTAMINATED AREA AND REPLACE FILTER



SWITCH OFF



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WEAR AROUND WAIST WITH OR WITHOUT SHOULDER STRAP

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PAPR SPARE PARTS LIST

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PAPR SPARE PARTS LIST

Item	Part Number	Description	Pk Qty
1	GPA1003	Blower unit without belt (no filters but with cover)	1
2	GPA1004	Filter cover with purple catch	1
3	GPA1005	Spark Arrestor	5
4	GPA1006	Carbon Pre-filter	5
5	GPA1007	P3 Hepa filter	1
6	GPA1008	Comfort belt with shoulder straps	1
7	GPA1009	Flex air hose (inc Flame Retardant cover)	1
8	GPA1010	Flame Retardant hose cover	1
9	GPA1011	Head gear inc air duct	1
10	GPA1012	Sweat band for head gear	5
11	GPA1013	Head gear fittings kit, one set left and right and hook screws for the front of the air duct	1
12	GPA1014	Face seal and fixings	1
13	GPA1020	Helmet with face seal and head gear	1
14	GPA1016	BATTERY Li/ion	1
15	GPA1017	Universal charger	1
16	GPA1001	Nylon carry bag	1

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