

# Maintenance Schedule for PAPR Welding Helmets

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Weldclass Academy



This article outlines a recommended maintenance procedure for Weldclass respirator welding helmets. Although designed for the listed Weldclass models, many of these steps outline general best-practice that is applicable to most brands of PAPR welding helmets.

[View the Weldclass PAPR Helmet Range](#)

## Helmet & Respirator Models

The information in this article applies to the following Weldclass and respirator models:

Weldclass PROMAX 680R PAPR Welding Helmet

Weldclass PROMAX 850R PAPR Welding Helmet

Weldclass PROMAX R50 PAPR Respirator Unit



## Maintenance Schedule

Following schedule applies to the respirator/blower unit, hose, and welding helmet.

Frequency	Action / Component	Details

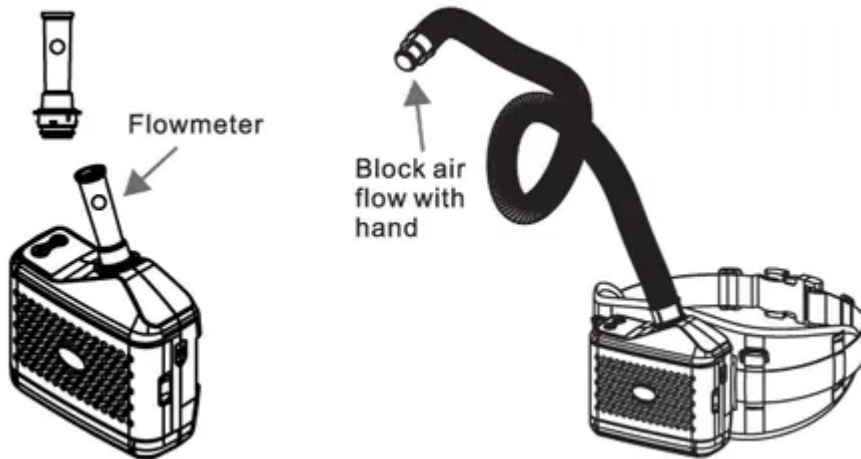
<b>Daily</b>	Visual Inspection	Check for any visible damage or wear. Ensure all components are free from obstruction & debris.
	Filter Check	Inspect condition of main filter, pre-filter, and spark filter mesh. Replace if visibly clogged or damaged. Note: Main filter should be replaced not later than 40 hours of use or 30 days, whichever comes first, and immediately if visibly clogged or if airflow is restricted.
	Function Check	Complete pre-use checks as per below 'Pre-Use Check Procedure' (or section 11b of user manual)
	Cover Lenses	Ensure all clear cover lenses are clean. Replace if scratched or damaged. Note: For correct & safe operation of helmet, front cover lens must not have any blemish / marks that obstruct the 'view' of the arc sensors on front of auto-darkening lens.
	Battery	Remove respirator battery and inspect condition. If any signs of damage, dispose of and replace battery. Ensure battery is fully charged prior to work shift.
<b>Weekly</b>	Clean Exterior	Wipe with damp cloth to remove dust and debris
	Clean Internals	Check helmet headgear, air vent, & internal surfaces, and clean if required.
	Inspect Hose	If inside of hose is dirty, or there are leaks or creases, replace hose.
	Inspect / Clean Face Seal	Clean face seal with damp cloth and mild detergent, or machine wash in cold water on gentle/delicate cycle. Replace face seal if excessively dirty, damaged, torn, or punctured.
	Inspect for Damage	Check all components for damage, cracks, wear, air leaks, etc. Replace parts as required
<b>Annual</b>	Replace Parts	Replace all filters, helmet face seal, hose, and hose cover, helmet cover lenses, helmet sweatband. Replacing respirator battery is recommended if estimated that charge cycles of existing battery has exceeded 500.
	Update Records	Ensure maintenance tasks are logged. Review records to ensure compliance with this schedule.

## Pre-Use Check Procedure

Always complete the following daily pre-use check procedure in a safe environment that is free of fumes and other hazards, prior to using the welding helmet with respirator.

1. Ensure the battery is fully charged
2. Disconnect air hose from the blower unit
3. Insert flowmeter device into the blower unit and switch it on
4. Does ball indicator reach the minimum flow level marking?  
Yes = unit is suitable for use  
No = replace filters and test again\*
5. Attach air hose to the blower unit & switch it on

6. Block end/outlet of hose by hand until alarm sounds, and blower vibrates\*
7. Check that all components - including helmet, face seal, hose, blower unit, filters, battery – are in good condition and assembled correctly



\*If minimum flow is not reached and/or the blower unit alarms do not function, the unit may have a malfunction and/or need to be replaced. Re-test with a new and fully charged battery with new filters. If malfunctions continue, contact your Weldclass distributor and/or replace the blower with a new unit.

## General Care and Maintenance Guidelines

### Cleaning

Clean with mild detergent and damp cloth. Do not use solvents or alcohol based cleaning agents. Do not immerse in water or spray directly with liquids.

### Storage and Disposal

Store in a dry and clean area, with ambient temperature range -10 to 55°C, and relatively humidity less than 90% RH.

If stored at temperatures below 0°C, the battery must be allowed to warm up before charging or use, to achieve full capacity.

If respirator will not be used for a long time, the battery should be removed, fully charged, and stored separately.

At the end of the useful working life of the unit and/or battery, local / state / national regulations must be followed regarding disposal.

### Spare Parts

PROMAX R50 Respirator Spare Parts

Welding Helmet Replacement Cover Lenses

Welding Helmet Face Seals

### Related Articles

Complete Guide to PAPR Welding Helmets

Welding Helmet Troubleshooting Guide

User Guide for Promax 600 Series Helmets

## All Welding Helmet Articles

While all care has been taken to ensure the information presented is accurate, Weldclass accepts no responsibility for any errors or omissions in this article. The information given is of a general nature only and does not take into account the specific circumstances of any individual application or situation, and should not be used as a substitute for professional advice. All applicable safety standards (including Australian standards), industry guidelines and regulations should be consulted and followed. E.&O.E.

## Tags

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Welding Helmets Respiratory Protection PPE for Welders Fume Control