

LASER GUARD

LASER WELDING HELMET

All-around safety against laser exposure

The 100LW Laser welding helmet is specifically designed for laser welding/cutting application to protect users.

The variable shade laser lens provides full protection against direct laser exposure, as well as reflection, scattering, diffraction, and divergence from the laser beam. Meanwhile, it offers protection against UV/IR/ blue light.



High-impact
Resistance



Heat
Resistance



Patented
Design



Super Clear
Vision



Laser Protection:

000-1100 D LB7 + IR LB8
Optical density (OD) 10 @ 1064nm

Features

Effective laser protection

Designed to meet EN207 OD10 @ 1064nm, the 100LW provides full protection to prevent eye burns, retinal damage and other tissue damage.

Super clear vision

Experience exceptional clarity and details with Universal's Light State 2.0 variable shade laser lens. Superior vision quality leads to superior work quality.

Smart adjustment

Shade number, delay and sensitivity all easily adjustable using our user-friendly panel with LED indicators.

Specifications

Viewing area	96 x 46.5mm (3.78" x 1.83")	Sensitivity control	Low - High, LED and button control
Cartridge size	110 x 90 x 9mm (4.33" x 3.54" x 0.35")	Delay	0.1-1.0s, LED and Button Control
Optical class	1/1/1/2	UV/ IR protection	Up to Shade DIN16 at all times
Number of sensors	2	Operating temperature	-10°C to 55°C (14°F to 131°F)
Power On/Off	Automatic On/Off	Storing temperature	-20°C to 70°C (-4°F to 158°F)
Dark shades	4-8/8-12	Helmet material	High impact resistance nylon
Light state	2.0	Laser protection	1000-1100 D LB7 + IR LBS
Switching speed	1/25,000s. from Light to Dark	Optical density (OD)	1000-1100 ODS
Special modes	Grind/Cut/Mix/Dark	Approvals	CE: (EN 207, EN ISO 163 21)

Contact sales on **0121 817 7890** or email: sales@universalppe.co.uk
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UNIVERSAL reserves the right to alter specifications without prior notice



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QUANTUM PAPR

WITH LASER GUARD RESPIRATORY LASER WELDING HELMET

Make laser welding safe and breathable

All-in-one integrated PAPR system for laser welding/cutting. The Laser Guard helmet provides full protection against direct laser exposure, as well as reflection, scattering, diffraction, and divergence from the laser beam. Meanwhile, the PAPR unit delivers a stable airflow to users with clean air.

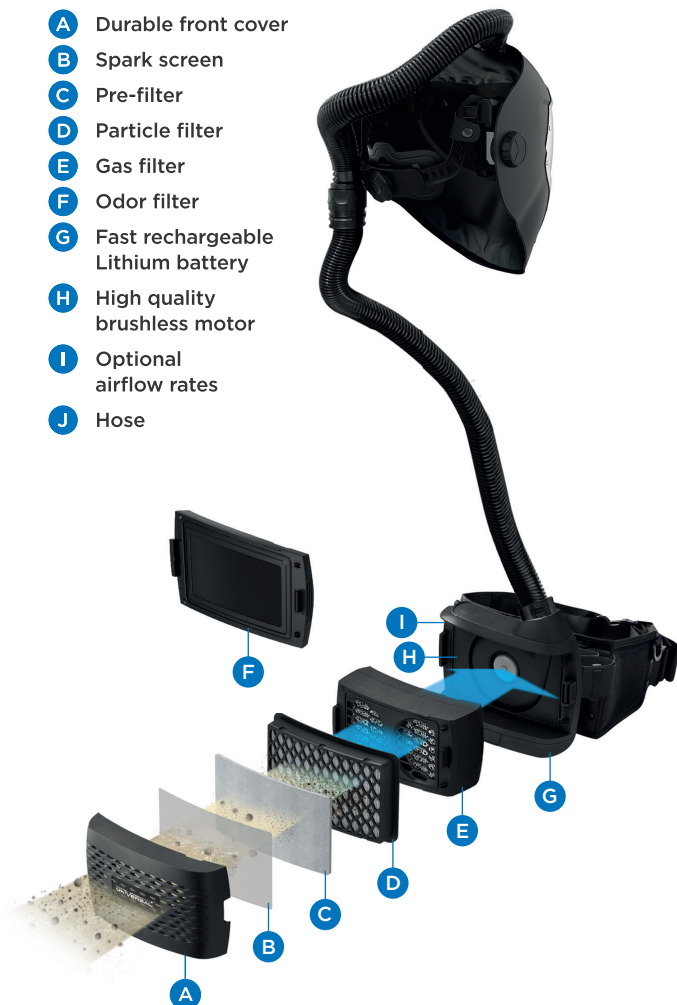
 FILTER EFFICIENCY
> 99.997%



QUANTUM Powered Air-purifying Respirator Filter Schematic

Quantum PAPR is compact, flexible, and portable, with easy maintenance. It ensures a constant airflow delivery, even when the battery is low or the filter is clogged.

- A** Durable front cover
- B** Spark screen
- C** Pre-filter
- D** Particle filter
- E** Gas filter
- F** Odor filter
- G** Fast rechargeable Lithium battery
- H** High quality brushless motor
- I** Optional airflow rates
- J** Hose



Respirator Specifications

Airflow Rate	Manufacturer's minimum design flow rate: 165+lpm (5.8+cfm) Low speed: 170+lpm (6+cfm) High speed: 210+lpm (7.4+cfm)
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Fast-charging Battery	Battery type: Rechargeable Li-ion battery Standard battery duration: 170+lpm - 9 hours; 210+lpm - 6 hours Extended battery duration: 170+lpm - 15 hours; 210+lpm - 9 hours Standard battery charge time: 1 hour Extended battery charge time: 2 hours Battery life: ≥ 550 charges
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Filter	Filter efficiency: > 99.997% Alarms: Visible, audible and vibration Particle filter (P3 Filter) Gas filter (A1B1E1K1/A2/Odor Filter)
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Temperature	Operating temperature: -5°C to 55°C (23°F to 137 °F) Storage temperature: -10°C to 55°C (74°F to 131°F)
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Relative Humidity (R.H.)	Operating R.H.: < 90% Storage R.H.: < 85%
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Weight	1020g (Blower unit + fast-charging standard battery)
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Respirator Approval	EN 12941 P R SL, AS/NZS 1716
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CE AS/NZS ENEC

* This PAPR product is not suitable for the applications which request Intrinsic safety (IS).

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