

# QUANTUM

The Combined Welding & Grinding Solution



Quantum Helmet  
EP263-000-005-000

Quantum Pro PAPR  
RP245-000-005-000



The Quantum Air Pro PAPR system combined with the Quantum helmet, offers heavy duty protection from welding fume and grinding dust. A large viewing/grinding visor window allows the welder to remain fully protected without exposure to the face, whilst also giving excellent field of view.

Contact sales on **0121 817 7890** or email: [sales@universalppe.co.uk](mailto:sales@universalppe.co.uk)





# QUANTUM Flip-up Design

## Side windows

Shade 5 lens on both sides, to enhance surrounding vision, making a safer environment



TRUE COLOUR +

## Large viewing area ADF

107mm x 75mm  
(4.21" x 2.95")  
1/1/1/1 Optical class



## Flip-up design

Easy lift spring loaded flip-up to switch between grinding and welding applications with ease

## Pivot headgear

Adjustable pivot design, well-balanced for maximum comfort. Lock function in the upright position



## Large view for grinding

20 x 12cm area, large transparent grinding lens with anti-fog. Easily replaceable

## Helmet features:

- High impact shell design. EN175 B & ANSI Z87+ impact test
- True colour ADF technology
- Side windows (shade 5) enhancing surrounding vision
- Ergonomic multiple adjustable headgear, with rear pivot pad and upright lock position
- 107x75mm view 1/1/1/1 - 5-13 ADF - Best optical class
- Clear interface design - x 3 mode options, Grind, Cutting and Weld
- Easy operation - Soft touch select buttons for function/ mode adjustment on ADF

## For use in a wide range of applications:



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# QUANTUM PRO

## Respiratory Protection



### Digital Interface

Next-gen user interface displays real-time battery status, filter loading and usage time in hours. Adjustable auditory and vibration feedback in settings to accommodate different environments.

### Filter Monitoring

Unit detects and displays filter types and usage time. If filter detaches or missing, an auto-alarm triggers, prompting an immediate shutdown.

### Auto-alarm

PAPR unit emits alarms, vibration and display pop-up warnings for end of life or incorrectly loaded filter, low battery or insufficient airflow.

### PAPR features:

- User adjustable air flow 170/190/210 L/min stages
- Li Ion battery pack (up to 9hr duration @ 170L/min)
- Fast charging Lithium-Ion battery (1 hour)
- P3 filter and pre-filter with micro-chip filter memory
- LED air flow indicator
- Intelligent charger (EU & UK pins)
- Audio and Visual “vibration” blocked filter and low battery alarms
- Supplied with ‘comfort pad’ and shoulder harness
- CE EN 12941 TH3P with Quantum helmet

This system is TH3P certified in accordance with European standard EN12941: 1998/A 1:2004/A2:2008 TH3P



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# The Complete Package



Quantum Helmet with  
PAPR Pro Complete Kit  
EP245-000-005-000

- 1 x Quantum helmet (air-fed)
- 2 x CR2450 batteries (un-assembled with manual)
- 5 x Front cover lenses
- 2 x Inner lens
- 1 x Large inner grinding lens
- 1 x Front sweat band
- 1 x Rear sweat band
- 2 x Plastic pieces to block side windows
- 1 x Blower unit
- 1 x P3 filter (assembled)
- 1 x Pre filter (assembled)
- 1 x Spark screen (assembled)
- 1 x Standard battery (un-assembled)
- 1 x Charger (with UK pins only)
- 1 x User manual Quantum for air
- 1 x Waist belt (assembled)
- 1 x Air hose with proban cover
- 1 x Shoulder harness
- 1 x Air flow indicator

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# Configurable Accessories



## Extended Hood Protection

Clips on to the edge of the existing shell.

*Part Number*  
AC460-000-005-000



## Heavy Duty Front Cover Lens

Offers increased protection against heat for heavy duty applications.

*Part Number*  
AC469-000-041-000



## Extended Neck Protection

Clips on to the edge of the existing shell.

*Part Number*  
AC461-000-005-000



## Flame Resistant Bandana

*Part Number*  
AC462-000-005-000



## A1B1E1K1 Gas Filter

For protection against organic/inorganic vapours, to be used in combination with P3 Particulate Filter.

*Part Number*  
RP160-000-005-000



## Leather Belt for Quantum

Heavy duty leather belt for use with standard Quantum Air unit.

*Part Number*  
AC459-000-005-000



## Carbon/Odour Pre Filter

Removes unpleasant smells. To be used in combination with the P3 particulate filter.

*Part Number*  
RP189-000-010-000



## Quantum Kit Bag (Empty)

*Part Number*  
AC434-000-005-000

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