

# QUANTUM AIR

## Powered Air Purifying Respirator



Control panel with adjustable air flow LED's



1020g blower unit & battery



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The Quantum Air PAPR (Powered Air Purifying Respirator) system combined with the Quantum helmet, offers heavy duty protection from welding fume and dust when welding, gouging and grinding.

The unit features the latest in PCB Board technology, allowing the welder to adjust the air flow from 170 L/min to 210 L/min to suit the environment and application. This is highlighted by an LED airflow indicator on top of the unit. The Quantum Air is equipped with audio and visual blocked filter and low battery alarms, offering extra safety for the welder.

### Features & Benefits

- User adjustable air flow 170/210 L/min – 2 stages
- Li Ion battery pack (up to 9hr duration @ 170L/min)
- Fast charging Lithium-Ion battery (1 hour)
- P3 filter and pre-filter
- Intelligent charger (EU & UK pins)
- Audio and Visual "vibration" blocked filter and low battery alarms
- LED air flow indicator
- Supplied with 'comfort pad' and shoulder harness
- CE EN 12941 TH3P with Quantum helmet

Visit [www.universalppe.co.uk](http://www.universalppe.co.uk) for more information.

### Quantum Air Kit Bag

The Quantum PAPR unit is delivered complete and is ready to use with Quantum helmet, supplied in a Universal branded kit bag.

Kit bag complete includes:

- Quantum PAPR unit with comfort pad
- Quantum helmet prepared for air
- Hose with proban hose cover
- Battery & intelligent charger
- P3 Filter & pre-filter



QUANTUM Kit Bag

RP158-000-005-000

### Respirator Accessories

#### Particle Filter (P3 Filter)

Filter efficiency 99.97% preventing inhalation of dust, pollutants, fine particles & other contaminates.



#### Gas Filter

To prevent inhalation of organic, inorganic, acidic, ammonia, and other harmful gases (A1B1E1K1).



#### Extended Battery

Rechargeable battery:  
15 hours duration at (170l/min)  
9 hours duration at (210 l/min)



## Specifications / Technical Data

Airflow Rate	Low speed: 170 l/min (6+cfm) High speed: 210 l/min (7.4+cfm)
Battery Type	Rechargeable Li-ion battery
Battery Duration	9 hours (Standard battery, 170 l/min) 5-5 hours (Standard battery 210 l/min) 15 hours (Extended battery 170l/min) 9 hours (Extended battery 210 l/min)
Battery Charge Time	1 hour (Standard battery) 2 hours (Extended battery)
Battery Life	> 500 Charges
Filter Efficiency	> 99.97%
Alarms	Visual, Audio & Vibration
Standards	DIN EN 12941 TH3P R SL NIOSH 42 CFR part 84 AS/NZS 1716
Operating Relative Humidity	< 90%
Operating Temperature	-5°C to + 55°C
Storage Temperature	-20°C to + 55°C
Weight (Blower unit & battery)	1020g

## Ordering Information & Spares

Description	Part Number
* Quantum Helmet – Prepared for Air	RP157-000-005-000
* Quantum Air PAPR Unit	RP152-000-005-000
* Quantum Helmet with Air PAPR Kit Bag Complete	RP158-000-005-000
B1 Blower Unit Body	RP153-000-005-000
B2 Fast-charging Standard Battery	AC420-000-005-000
B3 Particle Filter (P3 Filter)	RP154-000-033-000
B4 Pre-filter	RP155-000-033-000
B5 Spark Screen	RP156-000-037-000
B6 Filter Cover	AC421-000-005-000
B7 Gas Filter (A1B1E1K1)	RP160-000-005-000
B8 Extended Battery	AC436-000-005-000
C1 Shoulder Strap	AC422-000-005-000

## Ordering Information & Spares

Description	Part Number
C2 Belt Cushion (including screws & washers)	AC423-000-005-000
C2 Leather Belt (including screws & washers)	AC459-000-005-000
D1 Air Hose Cover	AC424-000-005-000
D2 O Ring	AC425-000-005-000
D3 O Ring for Air Hose	AC426-000-005-000
E Fast-charging Battery Charger	AC427-000-005-000
* Headgear Prepared for Air	AC439-000-005-000
* Air Hose Ring Holder	AC468-000-005-000
* Air Flow Indicator	AC428-000-005-000
F Quantum Helmet Shell with Air Duct (not including ADF)	RP159-000-005-000
G Quantum Helmet Face Seal (including Velcro)	AC435-000-005-000

