

QUANTUM HARD HAT

Powered Air Purifying Respirator with Hard Hat

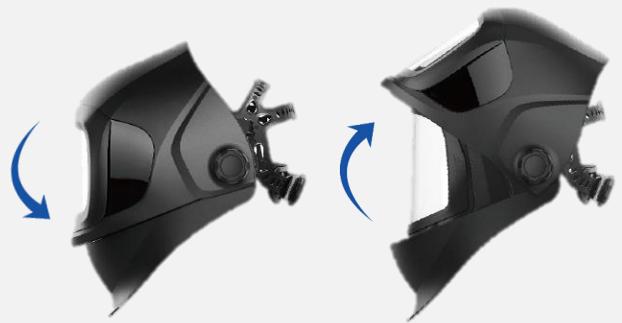
COMPREHENSIVE PROTECTION

The Quantum Air PAPR (Powered Air Purifying Respirator) with hard hat integrated U1 hard hat provides users with comprehensive protection for head, eyes, face, respiratory, and hearing (requires noise-reduction earmuffs).



High Impact Resistance.

Quantum helmet combined with U1 hard hat, made from high strength ABS material, protecting the head from falling objects.



High Level Efficiency.

The innovative flip-up design of the Quantum helmet can quickly switch between welding, grinding and cutting. Large field of vision for improved safety and work efficiency.



Respirator Accessories

Back Pack Harness

Reduces lower back strain by positioning the PAPR higher on the back, also freeing space around the waist and giving more support



Gas Filter A1/A2

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



Carbon Odour Pre-filter

Used with the P3 filter to help remove odours and smells inside the head top



Specifications

Helmet Specifications



Optical Class	1/1/1/1
Viewing Area	107x75 mm (4.21 "x2.95")
Standards	156x123x33mm(6.4"x4.84"x1.30")
Light State	DIN 4
Dark State	Variable Shade 5 ~ 8 / 9 ~ 13
Shade Control	Digital Display Control, Variable Shade
Power On/Off	Fully Automatic
Sensitivity Control	Variable 0 to 9
UV/IR Protection	Up to Shade DIN 16 at all times
Power Supply	Solar cell, 1 x CR2450 lithium battery
Switching Time	1 / 25,000 s. from Light to Dark
Dark to Light	Variable 0 to 9 (0.05 to 1.0 sec.)
Low Amp TIG Rated	2: 2 amps (DC); 2: 2 amps (AC)
Operating Temp	-10°C ~ +55°C (14°F ~ 131 °F)
Low Amp Tig Rated	2 amps
Grinding	Yes
Low Battery Indicator	Digital Display
Helmet Material	High Impact Resistance Nylon
Operating Temp	-20°C ~ +55°C (- 4°F ~ 158°F)
Storing Temp	-20°C ~ +70°C (- 4°F ~ 158°F)
Approval	Helmet: EN175:B, EN166 B Auto Darkening Filter: EN397 Outside Cover Lens: EN166 BT Inside Cover Lens: EN166 BT
Application Range	Stick Welding (SMAW); TIG DC&AC; TIG Pulse DC; TIG Pulse AC; MIG/MAG/CO2; MIG/MAG Pulse; Plasma Arc Cutting (PAC); Plasma Arc Welding (PAW); Air Carbon Arc Cutting (CAC-A); Oxyfuel Gas Welding (OFW); Oxygen Cutting (OC); Grinding

PAPR Specifications



Airflow Rate	Manufacture's Minimum Design FR: 165+lpm (5.8+cfm) Low Speed: 170+lpm (6+cfm) High Speed: 210+lpm (7.4+cfm)
Fast Charging	Battery type: rechargeable Li-ion battery
Standard Battery Duration	9h – low speed (170+lpm) 5-6h – high speed (210+lpm) Battery charge: 1 hour Battery life 500 charge cycles
Filter	Filter Efficiency: >99.97% Alarms: LED, audio, vibration
Temperature	Operating Temp: -5°C to 55°C (23°F to 131°F) Storage Temp: -10°C to 55°C (14 °F to 131 °F)
Relative Humidity	Operating RH: <90% Storage RH: <85%
Weight	1020g (Blower unit+ fast-charging standard battery)
Approval	EN 12941 PR SL, AS/NZS 1716

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

Hard Hat Specifications



Weight	387g
Testing standard	GB2811-2019 EN397-2012
Hard hat size	258•217•153mm
Head circumference	51-64cm
Material	High strength ABS raw material
Chin Strap	High Strength Nylon
Colours	White, Blue, Yellow, Red.



UNIVERSAL PPE Ltd

-  +44 (0)121 817 7890
-  Aqua House, Smethwick, West Midlands, England, B66 3DL
-  sales@universalppe.co.uk
-  www.universalppe.co.uk

XA00xxxx20 / 2023-03-30 / UNIVERSAL reserves the right to alter specifications without prior notice