



MMA



MIG/MAG



TIG



FLUX-CORED



PLASMA



GRIND

iCARE ~ AirFlow Respiratory Welding Helmet

Filter efficiency
> 99.97%



Easy Operation



Hard Hat Adapter



Curved 3D Feature



High-impact Resistance



Wide Application



Patented Headgear



Applicable with PAPR



Side Lens



RESPIRATOR SPECIFICATIONS




Airflow Rate	Low speed: 170+lpm (6+cfm) High speed: 210+lpm (7.4+cfm)
Battery Type	Rechargeable Li-ion Battery
Battery Duration	9 hours (Standard battery, 170+lpm) 5 - 6 hours (Standard battery, 210+lpm) 15 hours (Extended battery, 170+lpm) 9 hours (Extended battery, 210+lpm)
Battery Charge Time	1 hours (Standard battery) 2 hours (Extended battery)
Battery Life	≥ 500 charges
Filter Efficiency	> 99.97%
Alarms	Visible, Audible and Vibrate
Operating Temp.	-5 °C ~ +55 °C (23 °F ~ 131 °F)
Storing Temp.	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Operating Relative Humidity	< 90%
Storage Relative Humidity	< 85%
Weight (Blower Unit+Battery)	1020 g
Respirator Approval	EN 12941 TH3 P R SL NIOSH 42 CFR Part 84 AS/NZS 1716



ADF SPECIFICATIONS



Optical Class	1 / 1 / 1 / 1
Viewing Area	107 x 75 mm (4.21" x 2.95")
Cartridge Size	156 x 123 x 33 mm (6.14" x 4.84" x 1.30")
Arc Sensor	4
Light State	DIN 4
Grind State	DIN 4
Cutting Shade	Shade No. from 5 to 8
Welding Shade	Shade No. from 9 to 13
Shade Control	Internal, Digital Display Control
Power On / Off	Automatic On / Off
Sensitivity Control	Low ~ High, Digital Display Control
UV / IR Protection	Up to Shade DIN16 at all times
Power Supply	Solar cell. Battery replaceable, 2 x CR2450 lithium battery
Switching Time	1/25,000 s. from Light to Dark
Grinding	Yes
Delay (Dark to Light)	0.1 ~ 1.0 s, Digital Display Control
Low Amperage TIG Rated	≥ 2 amps (DC); ≥ 2 amps (AC)
Operating Temp.	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Storing Temp.	-20 °C ~ +70 °C (- 4 °F ~ 158 °F)
Helmet Material	High Impact Resistance Nylon
Approved	

PRODUCT FEATURES

Flip-up design

Easy lift up for grinding function, suiting welding / cutting / grinding mode.

Large view for grinding

20 x 12 cm area, large and curved transparent grinding anti-fog lens.

Rechargeable Li-ion battery

Rechargeable battery for longer lifetime. Fast-charging option makes charging only 1 hour.



Respiratory protection

Filter efficiency > 99.97%, preventing inhalation of dust, pollutants, fine particles as well as other contaminants.

Intelligent air supply

Respirator will self-adjust the flow rate according to the blockage of the filter automatically.

Real-time display indicator

Filter status / airflow rate / battery capacity indicator, real-time monitoring and displaying.

Auto-alarm system

Flashing indicator, bleeping sound, together with vibrating blower to ensure safety.

ADF TECHNOLOGY

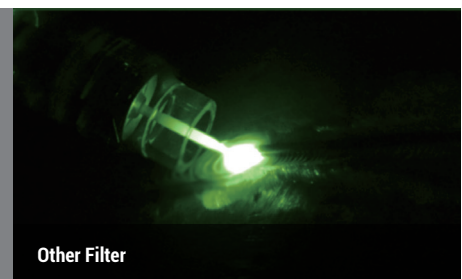
LIGHT STATE

Before/after welding, restore true color, providing extra clear view with comfortable feeling. Easy to adjust the welding machine settings without flipping the helmet.



DARK STATE

During welding, it helps user to observe the weld pool and weld seam more easily and finish welding job more accurately.



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