Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For W158

Welding Helmet with PAPR Respirator - 9~14 Shade - PROMAX 850R

Suits Mig, Tig, Arc, Plasma & Includes Grinding Function



ORDER CODE:	W158
MODEL:	PROMAX 850R
Viewing Area (mm):	116 x 81
Cartridge Size (mm):	~
Arc Sensors (No.):	4 + 1 Arc
Light State:	~
Shade:	9 ~ 14 (0.5 increments)
Shade Control:	External, Variable Shade
Power On/off:	Fully Automatic
Sensitivity Control:	Internal, Manual & or Auto* Low – High
UV/IR Protection:	~
Helmet Power Supply:	2 x CR2450 replaceable battery & & Solar assist
Respirator Power Supply:	Li-Ion 14.8V 2.6Ah 38.48Wh & Battery
Switching Time Light To Dark:	~
Delay Time Dark To Light (Seconds) (sec):	Internal, Manual or & Auto* Low – High
TIG Rated Minimum (amp):	~
Grinding Function (Yes / No):	Yes
Inactive Shade (Grind/Off):	~
Operating Temperature:	-5ºC to +55ºC
Storing Temperature:	-10 to +65ºC
Helmet Material:	AS1337.1 High-Impact Rated
Application Range:	Mig, Tig, Arc Welding, & Grinding, Plasma Cutting & Oxy Cutting, Brazing, Heating
Standard:	Takes standard 108 x 51mm & Magnification Lenses
Total Weight (grams):	860g

Description

Breathe easy and weld with confidence! The PROMAX 850R powered air respirator welding helmet delivers exceptional value, with the comfort and reliability Weldclass helmets have delivered for decades. Flip-up design features a large clear grinding visor, for seamless transition between welding and grinding, plus shade 5 side windows for wide peripheral vision when welding. The next-generation digital lens offers advanced adjustments and features, super crisp V1-rated optics, and super-size 95cm2 view area, backed by our industry-leading 7-year warranty offer. Stay cool and protected with purified air from the powerful PROMAX R50 battery-powered respirator, shielding you from harmful fumes, with 2 batteries for uninterrupted performance during longer shifts. Upgrade your welding experience today with the PROMAX 850R!

PACKAGE INCLUDES
- PROMAX 850R PAPR Helmet
- PROMAX R50 PAPR Respirator blower unit with battery
- Includes 2 Batteries
- Battery charger
- Waist & shoulder belt/harness
- Hose with FR cover
- Clear lens starter pack
- Air flow meter / tester
- Heavy-duty carry bag

PROMAX 850R HELMET FEATURES
- 7-year Warranty offer (on electronic lens)*
- Enormous 95cm2 viewing area through auto-darkening lens
- Flip-Up welding lens with wide-view clear grinding visor
- Side windows (shade 5) for enhanced peripheral vision
- Front cover lens covers / protects both the welding lens and shade 5 side windows
- 'Landscape' format (116mm wide x 82mm high) auto-darkening window for wider & more natural field of view
- Ultra-Crisp V1 (1/1/1/1) rated optics with enhanced colour recognition
- Illuminated digital LCD display/controls for superior visibility (auto dims when adjustments are not being made)
- Advanced digital controls with memory, cut mode, gradient & other functions
- Auto Controls: Option of Manual (user adjusts), or Auto shade / Sensitivity / Delay adjustment (settings adjust automatically depending on arc intensity)
- Super-comfortable, wrap-a-round headgear with moulded rear pressure pad
- Easy cover lens replacement
- Magnification lens holder - takes standard magnification lenses
- Super-comfortable, wrap-a-round headgear with moulded rear pressure pad

Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For W158

- High-Impact tested and compliant to Australian standard AS/NZS 1337.1
- Auto-darkening lens complies with AS/NZS 1338.1
- Reliable Power Source: Replaceable batteries plus solar assist, efficient electronics for low power consumption
- Full-Laminate Lens Construction: Each layer in the electronic lens assembly is firmly laminated for superior optical quality and long service life. This is in contrast to cheaper lenses which are simply glued on the edge and, over time, are prone to contamination and failure.
- Auto-on & Auto-off = No buttons to press, hassle-free operation
- Weight: Helmet only 940g / Helmet with respirator 1.87kg

PROMAX R50 PAPR RESPIRATOR FEATURES
- 3-Stage filter system includes main particle filter, prefilter, and spark filter
- TH3 filter class, delivering ?99.8% air particle purity
- Carbon prefilter supplied as standard, removes nuisance level odours
- Audio, visual and vibration alert for filter replacement or airway restriction
- 3 air flow speeds: 170, 200, 230 L/min
- 4-Point waist and shoulder harness (shoulder harness is removable to allow use with waist hardness only)
- Li-ion battery delivers operating time of ?10 hours @ 170 L/min (?6 hours @ 230 L/min)
- Warranty: 2 years on blower unit, 1 year on battery
- Complies with AS/NZS 1716
- Weight: Respirator (with blower unit & hose) only 930g / Helmet with respirator 1.87kg

APPLICATIONS
- MIG welding
- Stick welding
- TIG welding down to 5 amps
- Grinding
- Plasma Cutting
- Oxy Cutting, Brazing, Heating
- Gouging

FUNCTIONS
- Shade adjustment: Auto (shade level adjusts automatically depending on arc intensity) or Manual (user adjusts), adjust in increments of +/- 0.5
- Shade Deviation: When using Auto shade, +/- deviation (fine adjustment) can be adjusted in 0.1 increments to up +2.0/-2.0
- Welding mode: Variable shade 9-14
- Cut mode: Variable shade 4-8
- Shade Lock: Switches off auto-darkening function & locks lens to a selected shade level (4-13), ideal for oxy cutting & similiar processes where conditions may not be ideal for normal auto-darkening function
- Memory: Save up to 9 favorite settings (recalls shade, sensitivity & delay settings), with ‘instant save’ function on external controls
- Delay (switching time from dark back to light after welding stops): Auto or Manual 0.1-1.0s
- Gradient Mode: Gradual return (slope down) from dark to light, mirrors cooling of the weld pool to reduce eye strain
- Sensitivity: Auto or Manual 0-9 settings
- Tack Mode: Returns to shade 5 (instead of shade 3) between welds to reduce fatigue
- Respirator airflow speed adjustment: 170, 200, 230 L/min

COMMON SPARE PARTS & ACCESSORIES
- Promax R50 PAPR Main Particle Filter WC-06704
- Promax R50 PAPR Carbon Prefilter WC-06705
- Promax R50 PAPR Battery WC-06695
- Promax 680R and 850R Clear cover lens inner pk5 WC-05357
- Promax 850R Clear cover lens outer pk5 WC-06707
- Promax 850R Clear grinding visor lens pk5 WC-06709
- Magnification lenses
- Promax 850R Headgear WC-06712
- Sweatband WC-01630
- Helmet Lens Batteries: Type CR2450, commonly available from any battery retailer/wholesaler (Weldclass does not supply this item)

*Standard warranty 2 years, with extended 7 year warranty available with registration after purchase (on auto darkening lens/cassette)

Auckland: (09) 2717 234
Christchurch: (03) 741 6241

sales@machineryhouse.co.nz
www.machineryhouse.co.nz

Product Brochure For W158

Specific Features



WC 06702 Helmet Promax 850R 1



WC 06702 Helmet Promax 850R 2



WC 06702 Helmet Promax 850R 5