# POWERED AIR PURIFYING RESPIRATOR

## VIKING™ PAPR 3350 Welding Helmet

Certified Product™
Australian Standard
AS/NZS 1716:2012 PAPR-P2
LIC 40743
SAI GLOBAL

## Comfort, performance and efficiency

**Clear The Air On Welding Safety**
Where welding operations are concerned, safety is directly connected to air quality. When welding must be performed in enclosed or other areas where it is difficult to provide effective ventilation or otherwise control exposure to welding fume, the last line of defense is personal protective equipment for the individual operator. The VIKING™ PAPR (Powered Air Purifying Respirator) provides effective air-purification solution all-day long.

**1/1/1/1 optical clarity**
The VIKING™ PAPR is a complete system that purifies ambient air from the shop and delivers filtered, breathable air for as much as eight hours without interruption. The two-speed blower drives air through the hose to a VIKING™ 3350 helmet rated for a perfect 1/1/1/1 optical clarity. A patent pending adjustable baffling system inside the helmet directs air away from eyes to keep them from getting dry. The PAPR system complies to Australian standard AS/NZS 1338-1 and AS/NZS 1716:2012 class P2. The system has a respiratory protection class TH2 (EN 12941). Proper ventilation may not always be an option in every welding environment. Bring fume protection and filtered air directly to the operator in difficult environments and keep it there all day with the PAPR.

**Processes**
Stick, DC TIG, MIG, Flux-Cored, Arc Gouging

**Applications**
Fabrication, Production, Shipbuilding, Construction

**Product Number**
Viking PAPR 3350: K3930-2

**What's included**
- Blower unit
- VIKING 3350 black helmet
- Head cover
- Hose
- 2 particulate filters
- 736mm to 1,321mm padded belt
- Shoulder strap
- 220V battery charger
- Rechargeable battery
- Pre-filter
- Spark guard
- Hose cover
- Extra helmet cover lenses: inside 2 pieces, outside 5 pieces
- Duffel bag and instruction manual

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LINCOLN ELECTRIC
THE WELDING EXPERTS®

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# See Clearly Now

**4C™ Lens Technology**

The new 4C ADF Technology improves the performance of the lens in the 4 most important categories to the welder:

1. Clarity - Optical Clarity 1/1/1/1
2. Color - Real Color View
3. Carat - Light Weight
4. Cut - Even Shade From Any Angle

The 4C Lens Technology upgrade to Lincoln Electric's VIKING™ PAPR 3350 welding helmet – improves visibility and reduces eye strain by minimizing the traditional lime green coloring in the helmet view screen.

4C technology is ideal for a range of industries such as general fabrication, power generation, shipbuilding, structural, offshore and pipeline that use multiple welding processes, including Stick, MIG and TIG. Whatever the task at hand, 4C technology gives you a clear view to productivity and quality.

**Inactive State**

Previous 1/1/1/1 Inactive

NEW 4C Inactive

**Active State**

Previous 1/1/1/1 Optical Clarity

NEW 4C 1/1/1/1 Clarity

## What is 4C™ Technology?

**Dare to compare visit:**

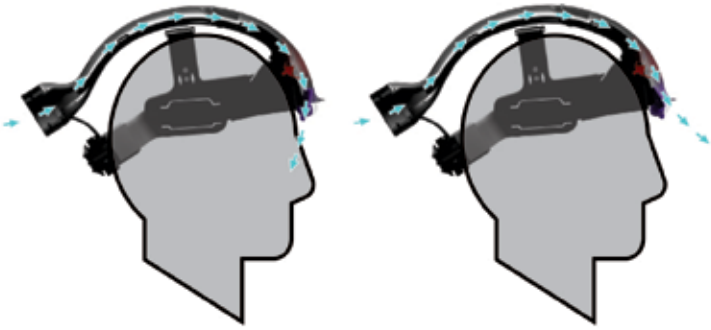
www.bit.ly/4CLens

# VIKING PAPR – Plenum

Two air flow baffles allow users to adjust the air for maximum comfort and prevent drying of the eyes.

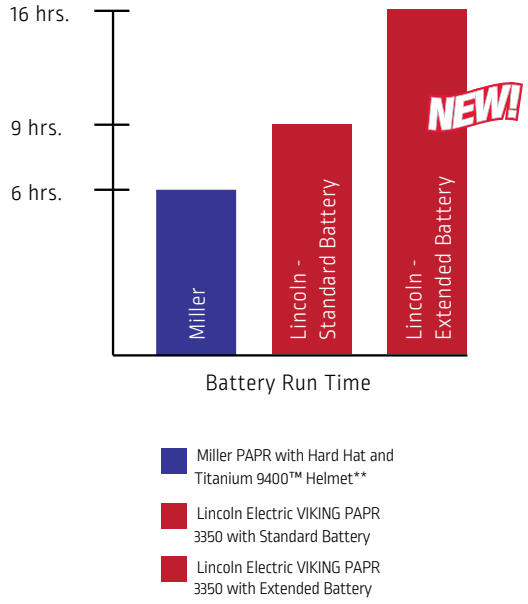
**First baffle (Red)**
Controls ratio of air over forehead vs temples.

**Second baffle (Purple)**
Directs air closer or further from your face.



# Why VIKING™ PAPR 3350 ?

- **Lightweight and comfortable**
  The blower weight is 998g while the entire system weighs in at 2.8 kg, most of which is in the belt pack and hose and away from the head and shoulders. The low-profile blower in the belt unit allows unrestricted movement.
- **Lasts all day (and then some)**
  Operators can work a full shift (or more) without interruption. The PAPR comes with a standard battery that outpaces the battery life of competing systems. Additionally, Lincoln offers an extended battery which has a run time of up to 16 hours. This extra battery capacity provides flexibility when working overtime and is a safeguard when the system is not recharged overnight. The system also has audible and vibrating alarms to signal when the battery is low.
- **Two speeds, consistent delivery**
  The PAPR system maintains a positive pressure at two speeds: 180 and 210 litres per minute. The system automatically adjusts fan speeds to keep airflow constant.




* Results based on the following test parameters side by side comparison between the Lincoln Electric K3930-1 and the Miller 9400, on the low flow setting with a 50% blocked filter.
** The trademark Titanium 9400™ Miller® and Miller Electric® are the property of Illinois Tool Works Inc.

## SPECIFICATIONS

| | |
|---|---|
| **Product Number** | K3930-2 |
| **Size of Blower Assembly (W x T x D)** | 203 x 191 x 76 mm |
| **Weight of Blower (incl. battery, belt & filters)** | 1.0 kg |
| **Air Flow** | Low Speed: 180+ lpm (6+ cfm)<br>High Speed: 210+ lpm (7.4+ cfm) |
| **Operating Temperature** | -5° to 55°C |
| **Battery Type** | Lithium Ion (Rechargeable) |
| **Battery Charge Time** | Three hours |
| **Battery Charges** | 500 charges |
| **Belt Size** | 736 to 1321 mm (max. 1524 mm with belt extension accessory) |
| **Respirator Approval** | EN12941-1998/A2 2008 - CLASS TH2P |
| **Assigned Protection Factor** | TH2 |
| **Helmet Replacement Battery** | CR 2450 |
| **Battery Life** | 8 Hours |
| **Charge** | 220 Volt Input |
| **Alarms** | Audible and Vibrate |
| **Head Gear** | FR Flame Retardant |
| **Optical Class** | 1/1/1/1 (per EN 379) |
| **Lens Switching Speed (sec)** | 1/25,000 |
| **Variable Shade/Control** | 5-13 Internal |
| **Magnifying "Cheater" Capable Lens** | Yes |
| **Grind Mode Shade/Control** | 3.5 Internal |
| **Light Sensitivity Control** | Continuous |
| **Delay Control Dark to Light (sec)** | 0.1 -1.0 Fully Adjustable |
| **Arc Sensors** | 4 |
| **TIG AMP Rating** | DC > 2 Amp - AC > 2 Amp |
| **Helmet Compliance** | CE, ANSI Z87.1-2010, CSA Z94.3 |
| **Cartridge Size** | 133 x 114 mm |
| **View Size** | 95 x 85mm |
| **Blower Assembly** | 1 Year Warranty |
| **ADF Helmet** | 3 Year Warranty |

## REPLACEMENT PARTS

| Item Number | Description | Package Quantity |
|---|---|---|
| KP5121-2 | VIKING PAPR 3350 Helmet Assembly (package includes Headgear and Headcovering) | 1 |
| KP2898-1 | Outside Cover Lens - 114 x 133 x 1 mm | 5 |
| S27978-32 | Outside Cover Lens Seal | 1 |
| KP3045-3 | 3350 Auto-Darkening Lens | 1 |
| KP3044-1 | Inside Cover Lens - 94.7 x 89.7 x 1 mm | 25 |
| S27978-33 | Lens Holder | 1 |
| KP3942-1 | Headgear (including plenum and sweatband) | 1 |
| KP3943-1 | Sweatband | 12 |
| KP3940-1 | Headcovering (with hook and loop attachment) | 1 |
| KP3944-1 | Blower Assembly (package includes filter cover assembly) | 1 |
| KP3937-1 | Battery Pack – Standard (up to 8 hours) | 1 |
| KP3938-1 | Battery Pack – Extended (up to 16 hours) | 1 |
| KP3934-2 | HE Filter Assembly | 2 |
| KP3935-1 | Pre-filter | 6 |
| KP3936-1 | Spark Screen | 1 |
| KP3932-1 | Battery Charger | 1 |
| KP5123-1 | PAPR Belt Assembly | 1 |
| KP5124-1 | Shoulder Strap Assembly | 1 |
| KP3939-1 | Belt Extension (extends belt to 1524mm) | 1 |
| KP5122-1 | Hose Assembly with Cover | 1 |
| KP3046-100 | Cheater Lens 1.00 MAG - 51x108 mm FRAME, 1.0 MAG | 1 |
| KP3046-125 | Cheater Lens 1.25 MAG - 51x108 mm FRAME, 1.25 MAG | 1 |
| KP3046-150 | Cheater Lens 1.50 MAG - 51x108 mm FRAME, 1.5 MAG | 1 |
| KP3046-175 | Cheater Lens 1.75 MAG - 51x108 mm FRAME, 1.75 MAG | 1 |
| KP3046-200 | Cheater Lens 2.00 MAG - 51x108 mm FRAME, 2.0 MAG | 1 |
| KP3046-225 | Cheater Lens 2.25 MAG - 51x108 mm FRAME, 2.25 MAG | 1 |
| KP3046-250 | Cheater Lens 2.50 MAG - 51x108 mm FRAME, 2.5 MAG | 1 |
| K3096-1 | Duffel Bag | 1 |

CUSTOMER ASSISTANCE POLICY
Lincoln Electric® business is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric® for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. Lincoln Electric® is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric® is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric® affect the results obtained in applying this type of fabrication methods and service requirements. Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

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