



VIKING™ 3350 LED PAPR

POWERED AIR PURIFYING RESPIRATOR

LINCOLN
ELECTRIC



What's Included

- 3350 LED PAPR Welding Helmet
- Blower Unit
- Lithium Ion Battery
- 120V Battery Charger
- Padded Belt (29-52 in.)
- Shoulder Straps
- Backpack
- 2 HEPA Filters
- Pre-Filter
- Spark Screen
- Hose with Cover
- Long Headcovering (installed)
- Short Headcovering
- 2-in-1 Large Duffelpack
- 7 Outside/Inside Cover Lenses

Respiratory Performance, Versatility & 4C[®] Optics

When choosing a Powered Air Purifying Respirator for a fabrication environment, its respiratory performance, versatility & optic quality are 3 important variables to consider.

The VIKING™ 3350 LED PAPR features a smart blower system, an external LED light, a low profile external button to switch between weld / grind mode, an APF 1000 shroud, and an extra large 11.8 sq. inch auto-darkening lens with our exclusive 4C[®] Lens technology.

Enhanced Lens Features

4C LENS TECHNOLOGY

Lincoln Electric's proprietary liquid crystal display (LCD) enhances the visible color spectrum of the display. Unlike traditional auto-darkening filters, 4C lens technology broadens the color range & hues which can be seen in both light and dark states. This eliminates imperfections and color saturation to create the clearest view of the base material, arc & puddle, while reducing eye strain.



2.5 LIGHT STATE LENS

Now offers a significantly increased level of brightness in the light state and enhanced vibrancy in the dark state compared to the previous generations.



1/1/1/1 Optical Clarity

Eliminating Distortion

3/x/x/x
1/x/x/x

Removing Blurriness

x/3/x/x
x/1/x/x

Uniform Shade

x/x/3/x
x/x/1/x

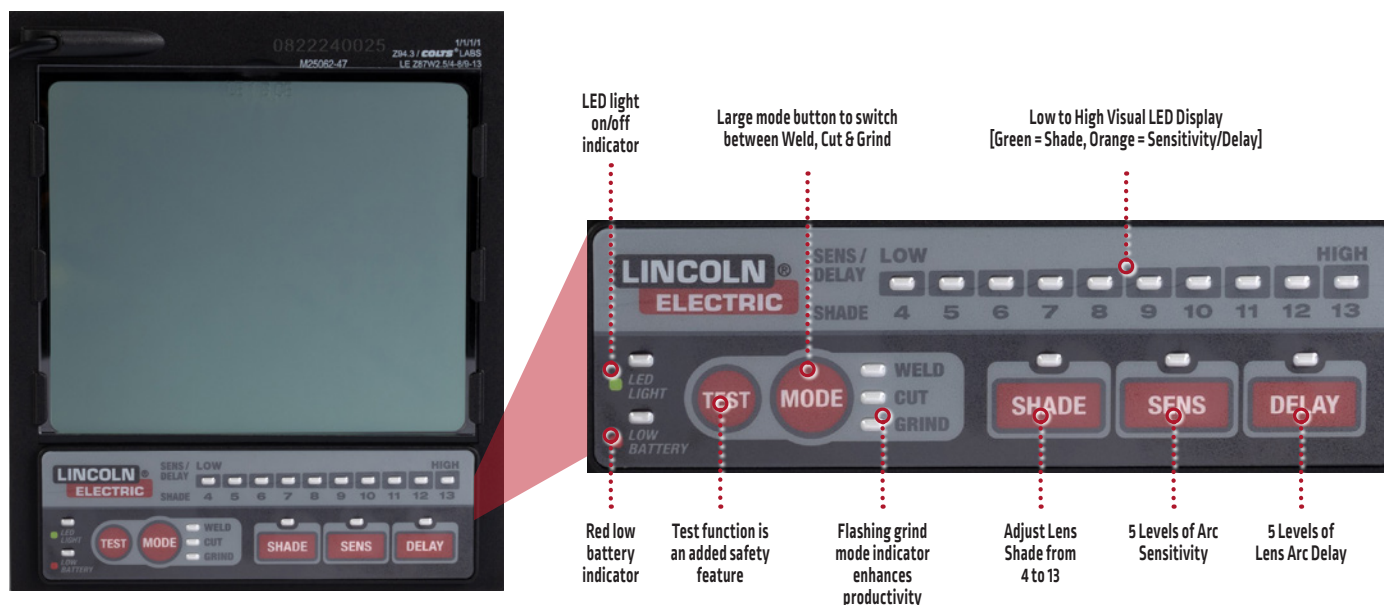
Consistent Angle Performance

Consistent Shade at all Angles

	VIKING 3350 LED	Competitor 1	Competitor 2
1/1/1/1 Optical Clarity	✓	✓	✗
2.5 Light State Lens	✓	✗	✓
LED Light	✓	✗	✗
5 Year Warranty	✓	✗	✗

* This comparison is based on publicly available specifications as of May 2025. Product characteristics are presented for informational purposes only. As product features may vary over time, consumers should verify specifications with original manufacturers before purchase.

Digital User Interface



Auto-Darkening Lens Specs

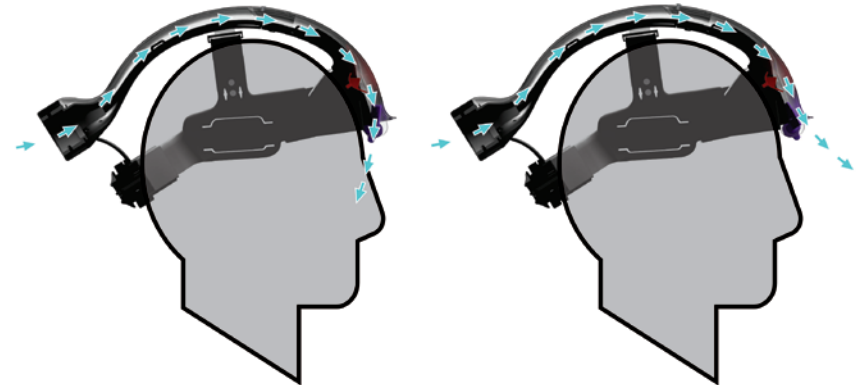
Optical Clarity	Lens Switching Speed (sec)	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (sec)	Arc Sensors	TIG Amp Rating	View Area in in (mm)	Temperature Range	Weight oz (g)	Warranty
1/1/1/1	1/25,000	4-13 Internal LED Digital Display Control, Green LED	1 - CR2450 Replacement Battery	Yes	2.5 / Internal and External	LED Digital Display Control, 5 increments, Orange LED	LED Digital Display Control, 5 increments, Orange LED	4	DC > 2 Amp AC > 2 Amp	3.74 x 3.15 (95 x 80mm)	Operating: 14°F - 131°F Storage: -4°F - 158°F	30 (851)	5 Years

Directional Air Flow Control

The VIKING 3350 LED PAPR features a unique, patented airflow design. The airduct is integrated into the top of the headgear and features two air flow baffles, which the user can adjust to change the direction and distribution of the set air flow. This feature maximizes operator comfort and helps prevent eye dryness.



First baffle (Red) - controls ratio of air over forehead vs temples



Second baffle (Purple) – directs air closer or further from your face

LED Light/Grind Control

Switching Modes Made Easy

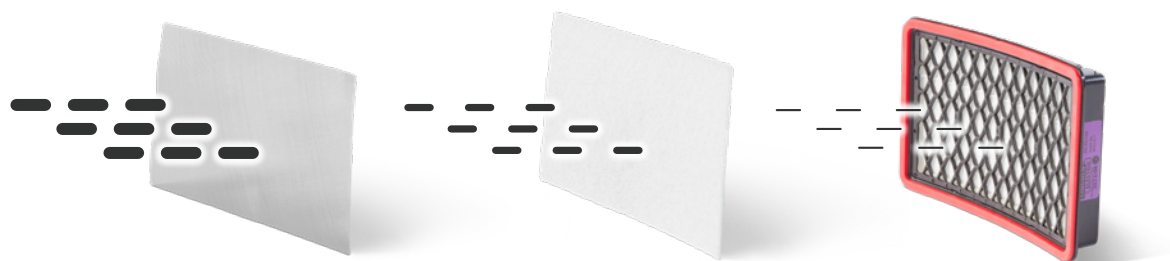
The left side of the helmet features industrial low profile button controls which connects to the auto-darkening lens and the smart LED Light. Press and hold for 3 seconds to switch between weld and grind modes as well as manually turn on/off the LED light

Benefits:

- Increases productivity
- Prevents accidental activation
- Enhanced application versatility



Multi-Component Filter System



SPARK SCREEN

- Protects filter media from fire
- Filters large particulate

PRE FILTER

- Filters medium size particulate
- Increases life of HEPA filter

HEPA FILTER

- Filters 99.97% of particulate at .3 microns

HEPA FILTER INFORMATION



Manufactured in an automated assembly line for meticulous consistency



Made in the USA for excellent quality and supply control



Provides rated protection against respirable dust and metal fume particles which include but is not limited to: hexavalent chromium, manganese, iron, zinc oxide, aluminum, nickel, beryllium cadmium, and lead fumes

Calculating the Maximum Protection of the Respirator¹

Maximum Use Concentration (MUC)

The maximum concentration of atmospheric particulate which a user can be protected from when using a specific class of respirator



Assigned Protection Factor (APF)



OSHA Permissible Exposure Limit (PEL)



Maximum Use Concentration (MUC)

Respiratory Specs

Certification	Classification	Assigned Protection Factor ²	Filter Type	Airflow	Alerts	Suspension	Weight
NIOSH 42CFR Part 84	Loose Fitting Powered Air Purifying Respirator	APF=25 when using KP3940-1 short headcovering. APF=1000 when using KP3940-2 long headcovering. Helmet comes with KP3940-2 installed.	High Efficiency Particulate Air Filter (HEPA)	Low Speed: 180+ lpm (6+ cfm) High Speed: 210+ lpm (7.4+ cfm)	Audible & Vibratory	Waist mounted via belt & shoulder straps or back mounted via backpack	Blower: 2.20 lb

¹MUC calculation does not apply to conditions that are immediately dangerous to life or health (IDLH).

²APF=25 for loose fitting Powered Air-Purifying Respirator according to OSHA 3352-02 2009, when the employer implements a continuing respirator program in compliance with the Respiratory Protection Standard (29 CFR 1910.134). APF=1000 for full Helmet/Hood Powered Air-Purifying Respirator according to OSHA 3352-02 2009, when the employer implements a continuing respirator program in compliance with the Respiratory Protection Standard (29 CFR 1910.134).

Simple, Smart Respiratory System



Superior Battery Life¹

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 Electric 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.

Lincoln Electric Extended Battery

16 hrs

Lincoln Electric Standard Battery

9 hrs

Competitor

6 hrs

¹Results based on low flow setting and 50% blocked filter.

VIKING™ PAPR Accessories

MOUNTING OPTIONS



VIKING™ PAPR Back Pack
Adjustable VIKING™ PAPR Back Pack secures the VIKING™ air-purifying blower to the operator's back.
K5309-1



VIKING™ PAPR Adjustable Leather Belt
Adjustable leather belt assembly secures the VIKING™ air-purifying blower to the operator's waist.
KP5123-1



PAPR Shoulder Strap Assembly
Adjustable Shoulder Straps for Viking Powered Air Purifying Respirators.
KP5124-1



VIKING™ PAPR Belt Extension
Extends belt to 60 in.
KP3939-1

BATTERY/FILTER OPTIONS



Multi-Operator PAPR 6 Battery Charger
Battery charging port capable of charging 6 Lincoln Electric PAPR batteries at once.
KP3383-1



VIKING™ PAPR Extended Battery
Provides up to 16 Hours of Battery Life for the VIKING™ 3350 PAPR System, rechargeable Lithium Ion, rated for 500+ charge cycles.
KP3937-1 - Standard
KP3938-1 - Extended



VIKING™ PAPR Battery Charger – 115V
115/120V Battery Charger for Viking PAPR Rechargeable Lithium Ion Battery Packs.
KP3932-1



VIKING™ PAPR - High Efficiency Particulate Filters
HE Filter Assembly
KP3424-2 (Pack of 2)
KP3424-6 (Pack of 6)

VIKING PAPR Pre-Filter (Pack of 6)
KP3935-1

HEADGEAR OPTIONS



VIKING™ 3350 PAPR Headgear
Easily adjustable design for optimal fit and comfort. Includes plenum and sweatband.
KP3942-1



3350 PAPR - Sweatbands
KP3943-1



3350 PAPR - Front Sweatband
KP4639-1



3350 PAPR - Replacement Backpad for Headgear
KP4640-1

Complete Systems and Replacement Parts

Product Type	Part Number	Description
Complete PAPR Systems	K3930-7	VIKING 3350 LED PAPR
Cover Lenses	KP2898-1	Outside Cover Lens - 3350 Series
	KP5244-1	Inside Cover Lens - 3350 ADV Series
Filter Components	KP3424-2	HEPA Filter (Order in QTY of 2 EA)
	KP3424-6	HEPA Filter (Order in QTY of 6 EA)
	KP3935-1	PAPR Pre-Filter (Order in QTY of 6 EA)
	KP3936-1	PAPR Spark Screen
Battery & Blower	KP3937-1	Standard Battery (for Viking PAPRs)
	KP3938-1	Extended Battery (for Viking PAPRs)
	KP3932-1	PAPR Battery Charger
	KP3944-1	PAPR Blower Assembly
Belt, Hose & Straps	KP5123-1	PAPR Belt Assembly
	KP5124-1	PAPR Shoulder Strap Assembly
	KP3939-1	PAPR Belt Extension (ext. belt to 60 in.)
	KP5309-1	VIKING PAPR Backpack
Headcovering & Hose	KP3940-1	3350 PAPR - APF 25 Short Headcovering
	KP3940-2	3350 PAPR - APF 1000 Long Headcovering
	KP5122-1	PAPR Hose Assembly with Cover
Various Helmet Parts	KP5121-3	3350 LED PAPR Welding Helmet (inc. Headgear and Headcovering)
	KP3942-1	3350 PAPR Headgear
	KP4639-1	3350 PAPR Front Sweatband
	KP4640-1	3350 PAPR Backpad
	KP5539-1	3350 LED Auto Darkening Cartridge
	KP4704-2	3350 LED PAPR - Helmet Shell
	S27978-32	Outside Cover Lens Seal - 3350 Series
	S27978-33	3350 ADF Lens Holder
	KP4491-1	CR2450 Battery
	KP5245-1	LED Light Kit
	KP3045-5	3350 ADV Auto Darkening Cartridge

PAPR Specifications

Product Number	K3930-7
Respirator Approval ¹	NIOSH 42 CFR 84 Approved Powered Air-Purifying Respirator (PAPR)
Classification	Loose Fitting Powered Air Purifying Respirator
Assigned Protection Factor ²	APF=25 when using KP3940-1 short headcovering. APF=1000 when using KP3940-2 long headcovering. Helmet comes with KP3940-2 installed.
Filter Type	High Efficiency Particulate Air Filter (HEPA)
Helmet Compliance	ANSI Z87.1, CSA Z94.3
Air Flow	Low Speed: 180+ lpm (6+ cfm), High Speed: 210+ lpm (7.4+ cfm)
Alarms	Audible and Vibratory
Battery Type	Lithium Ion (Rechargeable)
Battery Charge Time	4.5 Hours
Battery Charge Cycles	500+
Battery Life	16 Hours (180 lpm)
Charge Type	115 V
Head Covering	FR Flame Retardant
Belt Size	29 to 52 in (736 to 1321 mm)
Dimensions of Blower	8 L x 8.2 H x 3 W in (203 x 208 x 76 mm)
Weight of Blower (including battery, belt and filters)	2.70 lb (1.2 kg)
Operating Temperature	23° to 131°F [-5° to 55° C]
Warranty - Blower Assembly	1 Year
Warranty - Helmet Auto Darkening Lens	5 Years

¹Refer to NIOSH respirator approval label for system configuration.

²APF=25 for loose fitting Powered Air-Purifying Respirator according to OSHA 3352-02 2009, when the employer implements a continuing respirator program in compliance with the Respiratory Protection Standard (29 CFR 1910.134). APF=1000 for full Helmet/Hood Powered Air-Purifying Respirator according to OSHA 3352-02 2009, when the employer implements a continuing.

³Belt size maximum of 60 in. (1,524 mm) with belt extension accessory (see Parts Page) respirator program in compliance with the Respiratory Protection Standard (29 CFR 1910.134).

CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company 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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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 these types of fabrication methods and service requirements.

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See user manual for specifications and limitations regarding use. Employers are advised to comply with OSHA regulations (29 CFR Part 1910.134), which require employers to establish and maintain an effective respiratory protection program when employees must wear respirators to protect against workplace hazards and ensure the equipment's effectiveness.