What’s Included

- 3350 XG PAPR Welding Helmet
- Blower Unit
- Lithium Ion Battery
- 120V Battery Charger
- Padded Belt (29-52 in.)
- Shoulder Straps
- 2 HEPA Filters
- Pre-Filter
- Spark Screen
- Hose with Cover
- Headcovering
- Duffle Bag
- 7 Outside/Inside Cover Lenses

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 XG PAPR features a smart blower system, a low profile external button to switch between weld / grind mode and an extra large 12.5 sq. inch auto-darkening lens with our exclusive 4C® Lens technology.
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 and hues which can be seen in both light and dark states. This eliminates visual imperfections and color saturation to create the clearest view of the base material, arc and puddle, while reducing eye strain.

Extra Large Auto-Darkening Lens

<table>
<thead>
<tr>
<th>Auto-Darkening Lens Specs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical Clarity</td>
</tr>
<tr>
<td>1/1/1</td>
</tr>
</tbody>
</table>
**Directional Air Flow Control**

The VIKING 3350 XG 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

**Low Profile External Grind Control**

The left side of the helmet features an industrial button which connects to the auto darkening lens. Press and hold for 3 seconds to switch between weld and grind modes. Subtle internal led light flashes green to notify operator that grind mode is activated.

**BENEFITS:**
- Increases productivity
- Enhanced application versatility
- Prevents accidental activation
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

Calculating the Maximum Protection of the Respirator

Maximum Use Concentration (MUC)
The maximum concentration of atmospheric particulate which a user can be protected from when using a specific class of respirator:

\[ f(x) \times \text{OSHA Permissible Exposure Limit (PEL)} = \text{Maximum Use Concentration (MUC)} \]

Respiratory Specs

<table>
<thead>
<tr>
<th>Certification</th>
<th>Classification</th>
<th>Assigned Protection Factor</th>
<th>Filter Type</th>
<th>Air Flows</th>
<th>Alerts</th>
<th>Suspension</th>
<th>Weight</th>
</tr>
</thead>
</table>

1MUC calculation does not apply to conditions that are immediately dangerous to life or health (IDLH).
2Requires employer to implement a continuing, effective respirator program in compliance with 29 CFR 1910.
Simple, Smart Respiratory System

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.

Results based on low flow setting and 50% blocked filter.
**VIKING™ PAPR Accessories**

### Mounting Options

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VIKING™ PAPR Back Pack</strong></td>
<td>Adjustable VIKING™ PAPR Back Pack secures VIKING™ air purifying blower to operators back.</td>
</tr>
<tr>
<td>K5389-1</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ PAPR Adjustable Leather Belt</strong></td>
<td>Adjustable leather belt assembly secures Viking air purifying blower to operators waist.</td>
</tr>
<tr>
<td>KP5123-1</td>
<td></td>
</tr>
<tr>
<td><strong>PAPR Shoulder Strap Assembly</strong></td>
<td>Adjustable Shoulder Straps for Viking Powered Air Purifying Respirators.</td>
</tr>
<tr>
<td>KP5124-1</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ PAPR Belt Extension</strong></td>
<td>Extends belt to 60 in.</td>
</tr>
<tr>
<td>KP3939-1</td>
<td></td>
</tr>
</tbody>
</table>

### Battery/Filter Options

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multi-Operator PAPR 6 Battery</strong></td>
<td>Battery charging port capable of charging 6 Lincoln Electric PAPR batteries at once.</td>
</tr>
<tr>
<td>Charger KP3883-1</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ PAPR Extended Battery</strong></td>
<td>Provides up to 16 Hour Battery Life for the VIKING™ 3350 PAPR System, rechargeable Lithium Ion, rated for 500+ charge cycles.</td>
</tr>
<tr>
<td>KP3937-1 Standard</td>
<td></td>
</tr>
<tr>
<td>KP3938-1 Extended</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ PAPR Battery Charger – 115V</strong></td>
<td>115/120V Battery Charger for Viking PAPR Rechargeable Lithium Ion Battery Packs.</td>
</tr>
<tr>
<td>KP3932-1</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ PAPR – High Efficiency Particulate Filters</strong></td>
<td>HE Filter Assembly</td>
</tr>
<tr>
<td>KP3424-3</td>
<td></td>
</tr>
<tr>
<td>KP3424-6</td>
<td></td>
</tr>
<tr>
<td>KP3935-1</td>
<td></td>
</tr>
<tr>
<td><strong>3350 PAPR - Sweatbands</strong></td>
<td></td>
</tr>
<tr>
<td>KP3943-1</td>
<td></td>
</tr>
</tbody>
</table>

### Headgear Options

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VIKING™ 3350 PAPR Headgear</strong></td>
<td>Easily adjustable design for optimal fit and comfort. Includes plenum and sweatband.</td>
</tr>
<tr>
<td>KP3942-1</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ FGS® PAPR Pivot Headgear</strong></td>
<td>Replacement Pivot Headgear for 3250D FGS Powered Air Purifying Respirator Helmet Assembly.</td>
</tr>
<tr>
<td>KP4471-1</td>
<td></td>
</tr>
<tr>
<td><strong>VIKING™ FGS® PAPR Hard Hat</strong></td>
<td>Premium high-density polyethylene (HDPE) hard hat.</td>
</tr>
<tr>
<td>KP4979-1</td>
<td></td>
</tr>
<tr>
<td><strong>3350 PAPR – Sweatbands</strong></td>
<td></td>
</tr>
<tr>
<td>KP3943-1</td>
<td></td>
</tr>
<tr>
<td><strong>3350 XG PAPR – Front Sweatband</strong></td>
<td></td>
</tr>
<tr>
<td>KP3943-1</td>
<td></td>
</tr>
<tr>
<td><strong>3350 XG PAPR – Replacement Backpad for Headgear</strong></td>
<td></td>
</tr>
<tr>
<td>KP4640-1</td>
<td></td>
</tr>
</tbody>
</table>
# Complete Systems and Replacement Parts

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete PAPR Systems</td>
<td>K3930-4</td>
<td>Viking™ 3350 XG PAPR with Standard Battery</td>
</tr>
<tr>
<td></td>
<td>K3930-6</td>
<td>Viking™ 3350 XG PAPR with Extended Battery</td>
</tr>
<tr>
<td>Cover Lenses</td>
<td>KP2898-1</td>
<td>Outside Cover Lens - 3350 Series</td>
</tr>
<tr>
<td></td>
<td>KP3044-1</td>
<td>Inside Cover Lens - 3350 Series</td>
</tr>
<tr>
<td>Filter Components</td>
<td>KP3424-2</td>
<td>HEPA Filter (Order in QTY of 2 EA)</td>
</tr>
<tr>
<td></td>
<td>KP3424-6</td>
<td>HEPA Filter (Order in QTY of 6 EA)</td>
</tr>
<tr>
<td></td>
<td>KP3935-1</td>
<td>PAPR Pre-Filter</td>
</tr>
<tr>
<td></td>
<td>KP3936-1</td>
<td>PAPR Spark Screen</td>
</tr>
<tr>
<td>Battery &amp; Blower</td>
<td>KP3937-1</td>
<td>Standard Battery (for Viking PAPRs)</td>
</tr>
<tr>
<td></td>
<td>KP3938-1</td>
<td>Extended Battery (for Viking PAPRs)</td>
</tr>
<tr>
<td></td>
<td>KP3932-1</td>
<td>PAPR Battery Charger</td>
</tr>
<tr>
<td></td>
<td>KP3944-1</td>
<td>PAPR Blower Assembly</td>
</tr>
<tr>
<td></td>
<td>KP5123-1</td>
<td>PAPR Belt Assembly</td>
</tr>
<tr>
<td>Belt, Hose &amp; Straps</td>
<td>KP5124-1</td>
<td>PAPR Shoulder Strap Assembly</td>
</tr>
<tr>
<td></td>
<td>KP3939-1</td>
<td>PAPR Belt Extension (ext. belt to 60 in.)</td>
</tr>
<tr>
<td>Headcovering &amp; Hose</td>
<td>KP3940-1</td>
<td>3350 PAPR - Headcovering</td>
</tr>
<tr>
<td></td>
<td>KP5122-1</td>
<td>PAPR Hose Assembly with Cover</td>
</tr>
<tr>
<td></td>
<td>KP4638-1</td>
<td>3350 XG PAPR Welding Helmet (inc. Headgear and Headcovering)</td>
</tr>
<tr>
<td></td>
<td>KP3942-1</td>
<td>3350 XG PAPR Headgear</td>
</tr>
<tr>
<td></td>
<td>KP4639-1</td>
<td>3350 XG PAPR Front Sweatband</td>
</tr>
<tr>
<td></td>
<td>KP4640-1</td>
<td>3350 XG PAPR Backpad</td>
</tr>
<tr>
<td></td>
<td>KP3045-4</td>
<td>3350 XG Auto Darkening Cartridge</td>
</tr>
<tr>
<td></td>
<td>KP4704-1</td>
<td>3350 XG PAPR - Helmet Shell</td>
</tr>
<tr>
<td>Various Helmet Parts</td>
<td>S27978-32</td>
<td>Outside Cover Lens Seal - 3350 Series</td>
</tr>
<tr>
<td></td>
<td>S27978-33</td>
<td>3350 ADF Lens Holder</td>
</tr>
</tbody>
</table>
## PAPR Specifications

<table>
<thead>
<tr>
<th>Product Number</th>
<th>K3930-4</th>
<th>K3930-6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Respirator Approval</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>NIOSH 42 CFR 84 Approved Powered Air-Purifying Respirator (PAPR)</td>
<td>NIOSH 42 CFR 84 Approved Powered Air-Purifying Respirator (PAPR)</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td>Loose Fitting Powered Air Purifying Respirator</td>
<td>Loose Fitting Powered Air Purifying Respirator</td>
</tr>
<tr>
<td><strong>Assigned Protection Factor</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td><strong>Filter Type</strong></td>
<td>High Efficiency Particulate Air Filter (HEPA)</td>
<td>High Efficiency Particulate Air Filter (HEPA)</td>
</tr>
<tr>
<td><strong>Helmet Compliance</strong></td>
<td>ANSI Z87.1-2010, CSA Z94.3</td>
<td>ANSI Z87.1-2010, CSA Z94.3</td>
</tr>
<tr>
<td><strong>Air Flow</strong></td>
<td>Low Speed: 180+ lpm (6+ cfm), High Speed: 210+ lpm (7.4+ cfm)</td>
<td>Low Speed: 180+ lpm (6+ cfm), High Speed: 210+ lpm (7.4+ cfm)</td>
</tr>
<tr>
<td><strong>Alarms</strong></td>
<td>Audible and Vibrate</td>
<td>Audible and Vibrate</td>
</tr>
<tr>
<td><strong>Battery Type</strong></td>
<td>Lithium Ion (Rechargeable)</td>
<td>Lithium Ion (Rechargeable)</td>
</tr>
<tr>
<td><strong>Battery Charge Time</strong></td>
<td>3 Hours</td>
<td>4.5 Hours</td>
</tr>
<tr>
<td><strong>Battery Charges</strong></td>
<td>500 charges</td>
<td>500 charges</td>
</tr>
<tr>
<td><strong>Battery Life</strong></td>
<td>9 Hours (180 lpm)</td>
<td>16 Hours (180 lpm)</td>
</tr>
<tr>
<td><strong>Charge Type</strong></td>
<td>115 V</td>
<td>115 V</td>
</tr>
<tr>
<td><strong>Head Covering</strong></td>
<td>FR Flame Retardant</td>
<td>FR Flame Retardant</td>
</tr>
<tr>
<td><strong>Belt Size</strong></td>
<td>29 to 52 in (736 to 1321 mm)</td>
<td>29 to 52 in (736 to 1321 mm)</td>
</tr>
<tr>
<td><strong>Dimensions of Blower</strong></td>
<td>8 L x 7.5 H x 3 W in (203 x 191 x 76 mm)</td>
<td>8 L x 8.2 H x 3 W in (203 x 208 x 76 mm)</td>
</tr>
<tr>
<td><strong>Weight of Blower (including battery, belt and filters)</strong></td>
<td>2.20 lb (1.0 kg)</td>
<td>2.70 lb (1.2 kg)</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>23° to 131° F (-5° to 55°C)</td>
<td>23° to 131° F (-5° to 55°C)</td>
</tr>
<tr>
<td><strong>Warranty - Blower Assembly</strong></td>
<td>1 Year</td>
<td>1 Year</td>
</tr>
<tr>
<td><strong>Warranty - Helmet Auto Darkening Lens</strong></td>
<td>3 Years</td>
<td>3 Years</td>
</tr>
</tbody>
</table>

<sup>1</sup>APF=25 for loose fitting Powered Air-Purifying Respiratory according to OSHA 3352-02 2009, when the employer implements a continuing, effective respirator program in compliance with the Respiratory Protection Standard (29 CFR 1910).

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### 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.

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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.