A leader in powered and supplied air and auto-darkening filter (ADF) technologies for over 30 years, 3M is excited to introduce a new line of Speedglas™ combined systems and helmets. We’ve paired the legendary Speedglas ADF with our best-in-class powered air purifying respirator and our L-Series hard hat to provide you with unparalleled comfort and protection in the most demanding welding environments.

3M continually strives to develop adaptable welding products that meet your changing needs. You wanted a hard hat with Adflo™ and we listened. We are pleased to provide you with new 3M™ Speedglas™ Helmets with Powered and Supplied Air Protection—including 3M™ Adflo™—for hard hat required applications.
Complete systems for unsurpassed comfort.

As a welder, you know how challenging it can be to stay comfortable and productive when you're working in exhausting, hard-to-breathe-in environments. Now you can benefit from the superior optical performance of a Speedglas ADF as well as the added safety of an L-Series hard hat and the comfort of continuous airflow. Whether welding or grinding, our products may help you stay more comfortable and productive. Innovative advantages include:

- Easier to breathe when wearing than traditional forms of respiratory protection or with no respirator at all.
- Positive pressure airflow gives no breathing resistance and helps provide respiratory protection without the need for a tight faceseal. **No fit testing required.**
- Wideview faceshield allows for excellent peripheral and downward vision.
- Headgear is lightweight and well balanced.
- Supplied air systems allow workers to regulate the airflow, as well as cool or heat the air entering the headgear—ideal for extreme temperature working environments.
- Can be worn with facial hair, prescription eyewear or safety glasses. **Do not wear if facial hair comes between the face and respirator faceseal.**

**Assigned Protection Factor (APF) Ratings By Model and Air Source**

<table>
<thead>
<tr>
<th></th>
<th>L-705SG</th>
<th>L-901SG</th>
<th>L-905SG</th>
<th>L-705SG-F</th>
<th>L-905SG-F</th>
</tr>
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<tbody>
<tr>
<td>V-Series Supplied Air Valves</td>
<td>25</td>
<td>1000</td>
<td>1000</td>
<td>25</td>
<td>1000</td>
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<tr>
<td>GVP PAPR</td>
<td>25</td>
<td>1000</td>
<td>1000</td>
<td>25</td>
<td>1000</td>
</tr>
<tr>
<td>Adflo™ PAPR</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

**Welding**

Use the Helmet/ADF Shield in the down position for welding applications.

**Grinding**

Lift the ADF Shield for grinding applications.

**Speaking**

Lift the Wideview Faceshield for easy communication in non-hazardous environments.

**A Cost-Effective Investment.**

Over time, your Speedglas L-Series positive pressure headgear may cost less than negative pressure respirators (or wearing no respirator at all) due to lower maintenance costs, added comfort, which may help improve productivity, and the reduced likelihood of eye, face and minor head injuries.

We can help you quantify the potential cost savings with our **Proprietary Productivity Model**. For a demonstration, contact your local 3M sales representative or call **800-328-1667**.

**Made with your safety in mind.**

You can depend on 3M and Speedglas to develop products that provide a high level of respiratory protection and safety.

- Provides respiratory and limited head, face and eye protection.
- Meets OSHA standards for applications where positive pressure respirators are required.
- Meets ANSI Z89.1-2003, Class I and II.
- Meets CAN/CSA Z94.1-92, Class G.
1. Choose your 3M™ Headgear*

   *Helmets available for use with passive filter: L-705SG-F and L-905SG-F

2. Choose a Speedglas ADF
   (For L-705SG and L-905SG only)

3. Choose Air Type
   - **Powered Air**
   - **Supplied Air**

4. Choose a 3M™ PAPR Assembly

5. Include a 3M™ Breathing Tube
   - **Powered Air**
   - **Supplied Air**

6. Choose a 3M™ Cartridge/Filter

7. Choose an Air Filter and Regulator Panel

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**The employer is required to ensure that the compressed air used with any supplied air system meets the requirements for Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997. In Canada refer to CSA Standard Z180.1, table for the quality of compressed breathing air.**

**IMPORTANT:** These filtered regulated panel products do not produce Grade-D breathing air.
**Complete 3M™ Adflo™ PAPR Systems**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-0705-SGXX</td>
<td>3M® Adflo® Powered Air Purifying Respirator High Efficiency System, with 3M® Hard Hat L-705SG and Wideview Faceshield and 3M® Speedglas® Auto-Darkening Filter 9100XX</td>
<td>1/Case</td>
</tr>
<tr>
<td>16-0705-SGX</td>
<td>3M® Adflo® Powered Air Purifying Respirator High Efficiency System, with 3M® Hard Hat L-705SG and Wideview Faceshield and 3M® Speedglas® Auto-Darkening Filter 9100X</td>
<td>1/Case</td>
</tr>
<tr>
<td>16-0705-SGV</td>
<td>3M® Adflo® Powered Air Purifying Respirator High Efficiency System, with 3M® Hard Hat L-705SG and Wideview Faceshield and 3M® Speedglas® Auto-Darkening Filter 9100V</td>
<td>1/Case</td>
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<tr>
<td>16-0905-SGXX</td>
<td>3M® Adflo® Powered Air Purifying Respirator High Efficiency System, with 3M® Helmet L-905SG and Wideview Faceshield and 3M® Speedglas® Auto-Darkening Filter 9100XX</td>
<td>1/Case</td>
</tr>
<tr>
<td>16-0905-SGX</td>
<td>3M® Adflo® Powered Air Purifying Respirator High Efficiency System, with 3M® Helmet L-905SG and Wideview Faceshield and 3M® Speedglas® Auto-Darkening Filter 9100X</td>
<td>1/Case</td>
</tr>
<tr>
<td>16-0905-SGV</td>
<td>3M® Adflo® Powered Air Purifying Respirator High Efficiency System, with 3M® Helmet L-905SG and Wideview Faceshield and 3M® Speedglas® Auto-Darkening Filter 9100V</td>
<td>1/Case</td>
</tr>
</tbody>
</table>

**Converting Your Existing L-Series Headgear**

If you are interested in converting your existing L-Series Headgear to enable a Speedglas ADF, it is very simple:

1. Purchase the L-153SG
2. Choose a Speedglas ADF (9100V, 9100X or 9100XX)
3. If you are currently using the L-901 or L-905, you will need to purchase a new inner and outer shroud.

### Replacement Parts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-905SG</td>
<td>3M® Helmet L-905SG with Welding Shield and Wideview Faceshield</td>
</tr>
<tr>
<td>L-705SG</td>
<td>3M® Hard Hat L-705SG with Welding Shield and Wideview Faceshield</td>
</tr>
<tr>
<td>L-901SG</td>
<td>3M® Helmet L-901SG with Wideview Faceshield</td>
</tr>
<tr>
<td>L-705SG-F</td>
<td>3M® Hard Hat L-705SG with L-184 Welding Shield and Wideview Faceshield</td>
</tr>
<tr>
<td>L-905SG-F</td>
<td>3M® Helmet L-905SG with L-184 Welding Shield and Wideview Faceshield</td>
</tr>
<tr>
<td>L-153SG</td>
<td>3M® Weld Shield Kit</td>
</tr>
<tr>
<td>L-154SG</td>
<td>3M® Silver Front Panel</td>
</tr>
<tr>
<td>L-122SG</td>
<td>3M® Breathing Tube</td>
</tr>
</tbody>
</table>

### WARNING Welding Safety Products

These welding safety products can help protect you against certain welding hazards. They must be used only by qualified persons trained in their use and maintenance and only in strict accordance with and adherence to the detailed instructions and precautionary statements provided in the instruction manual which accompanies each product. Failure to comply with these instructions could result in sickness, serious bodily injury or death.

For proper use of these products, read User Instructions and warnings on the package. Any questions concerning proper use should be directed to your supervisor, on-site training specialist, industrial hygienist or 3M OH&ESD Technical Service at 1-800-243-4630. In Canada, call 1-800-267-4414.

### For More Information

In U.S.
Technical Assistance 1-800-243-4630
Customer Service 1-800-328-1667
www.speedglas.com

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