



# Legendary Quality Proven Durability

## 3M™ Speedglas™ Selection Guide

Select the Speedglas™ Welding Helmet and Auto Darkening Filter (ADF) combination that's right for you.

Entry	Mid-Range	Premium	Premium with Air
<p><b>100S (single shade ADF)</b> <b>100V (variable shade ADF)</b></p> <p><b>100V with Graphics</b></p> <p>Ideal for occasional welders and students</p>	<p><b>Super Light (SL)</b></p> <p>Designed for specialty (TIG) and quick welding tasks</p>	<p><b>9100</b>      <b>9100 FX</b></p> <p>Designed with the professional welder in mind</p>	<p><b>9100-Air</b>      <b>9100 FX-Air</b></p> <p>Readily connect to the 3M™ Adflo™ PAPR or the 3M™ Fresh-air III Supplied Air Regulators</p> <p>Optimal respiratory protection and comfort for increased productivity and demanding environments.</p>
		<p>All Premium helmets are compatible with any of the three Speedglas ADFs of differing sizes: 9100V, 9100X, 9100XX</p>	

### Superior optics

Known for their outstanding optical quality and performance, 3M™ Speedglas™ Auto Darkening Filters assure uniform shading and minimal distortion across the entire filter viewing area. Our wide selection of filters offers options for nearly all welding processes and unique welding needs.

### Speedglas™ ADF Application Guide

	100F	100V	SL	9100
MMAW	Optimized	Optimized	Optimized	Optimized
MIG/Mag	Optimized	Optimized	Optimized	Optimized
TIG (>10A)	Optimized	Optimized	Optimized	Optimized
TIG (1A – 10A)	Optimized	Optimized	Suitable	Optimized
Plasma (Welding and Cutting)	Optimized	Optimized	Suitable	Optimized
Risk for Hidden Arc	Optimized	Optimized	Suitable	Optimized
Tack Welding	Suitable	Suitable	Suitable	Optimized
Grinding	Suitable	Suitable	Suitable	Optimized

Optimized    Suitable    Not Recommended



# Speedglas™ 100 Series Welding Helmets

Perfect for hobby welders, farmers, and do-it-yourselfers, as well as maintenance and construction workers, these helmets provide state-of-the-art eye and face protection while allowing wearers to express their personality with several unique graphic designs. All 100 Series graphic helmet assemblies come with a variable shade ADF (100V, Shades 8-12). The black helmet is available with the 100V ADF, or with two different single shade ADF options (100S - shade 10 or 11).



**Boneyard**



**Ice Hot**



**Razor Dragon**



**Xterminator**



**Raging Skull**



**Trojan Warrior**



**Aces High**



**Blazed**



**American Pride**



**Black**

Black (Shade 8-12)	07-0012-31BL
Black (Shade 10)	07-0012-10BL
Black (Shade 11)	07-0012-11BL
Boneyard	07-0012-31BY
Ice Hot	07-0012-31IH
Razor Dragon	07-0012-31RD

Xterminator	07-0012-31XT
Raging Skull	07-0012-31RS
Trojan Warrior	07-0012-31TW
Aces High	07-0012-31AH
Blazed	07-0012-31BZ
American Pride	07-0012-31AP



## Available with Hard Hat

Black with Hard Hat	07-0012-31BL-HH
Black with Hard Hat Adapter (Hard Hat not included)	07-0012-10BL-HA
Hard Hat Adapter only	07-0014-00NR

# Speedglas™ Women's Collection

Created with direct inspiration from women welders and intended to meet the challenges women welders face in comfort, safety and style. These helmets feature an ergonomic headband that accommodates smaller head sizes.



**Wild-N-Pink**



**Skull Jewels**



**Steel Rose**



**Steel Eyes**



Wild-N-Pink	07-0012-31WP
Skull Jewels*	07-0012-31SJ
Steel Rose*	07-0012-31SR
Steel Eyes*	07-0012-31SE

\*A design collaboration between ERGONOMIDESIGN® and 3M.



## Speedglas™ Super Light (SL)

At a mere 13 ounces, including the filter, the SL is lighter than any other Speedglas helmet. It is also the narrowest helmet, making it ideal for welding in very tight spaces. Grab & go—a motion sensor automatically turns ON the welding filter when you pick up the helmet, making this helmet ideal for quick welding tasks.

SL with ADF	05-0013-41
SL helmet only (no ADF)	05-0013-00

## Speedglas™ 9100 Series Welding Helmets

The 9100 is designed for optimal comfort and protection. The radical technology behind the highly adjustable 9100 head suspension fundamentally changes not only how you wear the helmet, but also how you experience fit, stability and balance. The 9100 helmets have a smooth up-and-down pivot action that gently locks in the 'up' position, and the suspension keeps the helmet closer to user's head – making the helmet feel lighter, more stable and balanced at all times. The 9100 helmet is also available with Shade 5 SideWindows, to allow you to see others working around you.



9100V ADF



9100X ADF



9100XX ADF



Available with Side Windows



Available with Hard Hat

	9100V ADF	9100X ADF	9100XX ADF
9100 with ADF	06-0100-10	06-0100-20	06-0100-30
9100 with ADF and SideWindows	06-0100-10SW	06-0100-20SW	06-0100-30SW
9100 with ADF, SideWindows and Hard Hat	06-0100-10HHSW	06-0100-20HHSW	06-0100-30HHSW
9100 with ADF, SideWindows and Hard Hat Adapter (Hard Hat not included)	06-0100-10HASW	06-0100-20HASW	06-0100-30HASW
9100 Hard Hat Adapter only		06-0014-00NR	

## Speedglas™ 9100 Series Head Suspension

The innovative 9100 head suspension conforms to your head to help increase stability, improve weight distribution and significantly reduce pressure on the most vulnerable areas. Less pressure on your head means optimal comfort that lasts all day long.

Back of headband is self-adjusting and swivels to fit different head shapes



Unique 2-strap crown adjustment for increased stability and reduced pressure on the top of the head

Smooth ratchet mechanism lets you manually tighten the helmet to your personal preference

Four settings let you determine the distance between your face and the helmet for optimum viewing





# 3M™ Air Sources for Speedglas™ Helmets



## 3M™ Adflo PAPER

With its smart, compact design, the award-winning 3M™ Adflo™ Powered Air Purifying Respirator has been created to meet your welding needs. This unit is designed to offer continuous filtered air that can help increase productivity by keeping you more comfortable. This system can be used with Speedglas™ 9100-Air and 9100 FX-Air helmets, and is a solution where powered air respiratory protection is desired.



V-100



V-200

## 3M™ Fresh-Air III Supplied Air Systems

Two supplied air systems that allow welders to regulate the airflow and are ideal for most demanding and extreme temperature working environments. The Speedglas™ **Vortex V-100 Air-Cooling Valve** allows the user to cool the air entering the helmet by as much as 50°F (23°C), and the Speedglas™ **V-200 Vortemp™ Air-Heating Valve** allows the user to heat it by as much as 50°F (23°C). Also available are V-300 High Pressure and V-400 Low Pressure Valves. These valves do not have heating or cooling capabilities.

## New Breathing Tubes

All Speedglas™ Breathing Tubes feature the innovative 3M™ Quick Release Swivel (QRS) Connection, to allow for a quick connection and minimize loops and kinks.



Self-Adjusting Breathing Tube SG-30W



Heavy-Duty Breathing Tube SG-40W



Sound-Dampening Breathing Tube SG-50W

## Accessories for expanded comfort and protection

### Neck and Ear Protection

Optional flame-resistant neck and ear protection accessory helps protect from molten metal, sparks, flames and UV/IR radiation. Neck protection accessory can be purchased separately and is compatible with all Speedglas™ 9100 helmets (9100, 9100FX, 9100-Air and FX-Air). **06-0500-52**



### Head Protection

Extended flame-resistant head coverage can be fastened to the helmet to help protect your head from sparks, spatter and UV/IR radiation. The extended head coverage comes standard with the Speedglas™ 9100-Air helmet, and can be purchased separately for the Speedglas™ 9100 helmet. **06-0500-51**



A shorter, Standard Headcover Accessory is also included with the Speedglas™ 9100 FX helmet. **06-0700-81**



An Extended Headcover Accessory comes standard with the Speedglas™ 9100 FX-Air helmet, and can be purchased separately for the 9100 FX helmet. **06-0700-82**



When used instead of a belt, the BPK-01 backpack allows the Adflo™ PAPER to be worn on the back of the user for comfort and flexibility. **BPK-01**



