



**Welding & safety helmet that provides  
*both* head & respiratory protection**

The new **3M Speedglas 9100 MP Welding & Safety Helmet** meets the need for head and respiratory protection for welders —particularly in heavy industries such as mining, shipbuilding, marine repair, heavy construction, offshore operations (oil, gas, and wind farm), and heavy-duty maintenance welding.

Comfortable, well-balanced, and intuitive to don, adjust, and maintain, the Speedglas 9100 MP helmet offers a premium welder protection system, for highly demanding environments.



“The demand of head protection for welders has been an difficult issue, until now, the options were limited, and without much acceptance by welders. At our field trials, which included mines, shipyards, construction and other heavy industries worldwide, the comments from the welders included comfortable, balanced, great vision and easy to use,” says Staffan Johansson, Marketing Manager for 3M OH&ES Welding Safety.

When used with the 3M Adflo Powered Air Respirator, the 9100 MP Helmet has **TH3-class** — **the highest respirator performance class** for this type of welding personal protection equipment (PPE). With the Adflo respirator, the system’s Nominal Protection Factor (NPF) is 500. Alternatively, the 9100 MP helmet can connect to the 3M Versaflo V-500E Supplied Air Regulator for a NPF of 200.

The key to the **9100 MP Helmet** is its well-balanced, low center of gravity, even when the helmet and the visor are in the raised position. The helmet's top shell is made from heat resistance polycarbonate. An optional aluminum fabric cover reflects hot sunlight and heat from welding, as well as providing greater visibility for safety. In addition the optional flame-resistant shroud can offer neck and shoulder protection. **Another accessory is the 3M Peltor Helmet-Mounted Earmuff Assembly Kit**, which can be quickly attached to the safety helmet using two screws to meet EN 352-3.

The 9100 MP welding helmet comes with a **big (17x10cm), curved, protective visor**, with excellent vision up, down, and peripherally. Passive shade 5 SideWindows add extra peripheral vision or can be easily covered with reusable cover plates (provided). The protective visor meets the mechanical resistance requirements for high speed particles per EN 166:BT, even at extremes of temperatures (-5°C to +55°C). The 9100MP Welding Helmet is 100% compatible with all of the latest **3M Speedglas 9100 Series auto-darkening filters (ADFs)**, including the 9100XX filter with a 73 x 107 mm viewing area.

The 3M Speedglas 9100 MP welding & safety helmet is CE marked and in compliance with the PPE Directive 89/686/EEC. As part of our premium product line the system is approved to all the latest European Standards: EN 397 (industrial safety helmets), EN 12941 (powered air respirators), EN 14594 (supplied air respirators), EN 379 (automatic welding filters), EN 166 (eye protection), and EN 175 (eye and face protection).

### **About 3M Welding Safety**

At US\$23 billion in annual sales and 74,000+ employees worldwide, 3M is one of the largest innovation-driven companies in the world. 3M's safety brands include: AOSafety Apparatus; Peltor Face, Head & Hearing Protection and Industrial Communication Headsets; E-A-R Hearing Protection; SafeWaze Fall Protection Equipment; and Speedglas Welding Equipment. Visit [www.3M.eu/speedglas](http://www.3M.eu/speedglas) for additional information on personal protective equipment for welders, including welding and safety helmets, powered and air line respirators, auto-darkening welding filters (lenses), grinding visors, ear protectors, and related welding accessories.

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