

3M Personal Safety Division

3M™ Speedglas™ 9100XXi Auto-Darkening Filter

Introducing the new solution in our range of top-of-the-line Speedglas 9100 Series Auto-Darkening Filters.

The Speedglas 9100XXi Auto-Darkening Filter offers the same large viewing area as our 9100XX ADF. But, thanks to the improved optics, the 9100XXi ADF allows you to more readily recognise colours that may help you focus on your welding set-up, welding technique, precision grinding, and inspection of just-completed welds.

Improved features include:

- ▶ Enhanced filter optics for a more natural colour display
- ▶ Dual memory modes
- ▶ Fast switching between welding and grinding
- ▶ Grab and go with auto-ON



The new auto-darkening welding solution from 3M

An entire suite of improvements...

- ▶ **More Natural Colour & Contrast**
Offers the same large viewing area as the 3M™ Speedglas™ 9100XX ADF but, thanks to improved optics, allows you to more readily recognise colours.
- ▶ **Grinding Mode**
One quick push on the button of the external silver front and the filter is locked into its shade 3 light state for grinding. Another quick push reactivates the auto-darkening mode, and you are ready to weld again.
- ▶ **Dual Memory Modes**
Allows you to quickly switch between two different welding filter set-ups of your own choice. Each memory mode has an individual setting for dark shade, switching sensitivity, and dark-to-light delay.
- ▶ **Auto-ON/OFF**
Motion-sensor instantly turns on the filter when you pick up the welding helmet for “Grab & Go” efficiency.
- ▶ **Helmet Compatibility**
Fits with all Speedglas 9100 helmets however external grinding and memory modes are exclusive to the 9100/9100 Air Helmets.

| Technical data 3M™ Speedglas™ 9100XXi ADF | |
|---|-----------------------------------|
| Viewing area | 73 x 107 mm |
| Battery life time | 1800 hours |
| Battery type | CR2032 (Lithium 3V) |
| Classification | 1 / 1 / 1 / 2 |
| Light state | Shade 3 |
| Grinding state | Shade 3 |
| Dark states | Shades, 5, 8, 9-13 |
| Fail-safe shade | Shade 5 |
| UV/IR protection | Shade 13 protection in all states |
| Delay (dark-to-light) | Adjustable from 40 to 800 ms |
| Approvals | EN175:B, EN379, EN166:BT* |

*According to the European Standards the mechanical strength (for this product) is classified as B: resistance to high speed particles at medium energy impact (120 m/s). The letter T indicates that the test for resistance was conducted at extremes of temperatures (-5 to +55 C).

Speedglas 9100XXi Part Numbers

| Part No | Description |
|---------|--|
| 500026 | Speedglas 9100XXi Auto-Darkening Filter |
| 500126 | Speedglas 9100XXi Auto-Darkening Filter with Silver Front for External Grinding Mode Control |
| 532100 | Speedglas 9100XXi Silver Front for External Grinding Mode Control |
| 501826 | Speedglas 9100 Series Welding Helmet with 9100XXi ADF and side windows |
| 567726 | Speedglas 9100 Air Welding Shield with Speedglas 9100XXi Welding Filter and 3M™ Adflo™ Powered Air Respirator |
| 541826 | Speedglas 9100 FX Welding Helmet with 9100XXi ADF |
| 547726 | Speedglas 9100 FX Air Welding Shield with Speedglas 9100XXi Welding Filter and Adflo Powered Air Respirator |
| 577726 | Speedglas 9100 MP Welding & Safety Helmet with Speedglas 9100XXi Welding Filter and Adflo Powered Air Respirator |

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