

Speedglas® 9002

The most versatile ADFs ever



 **Speedglas®**



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9002 Versatility

From low-amp inverters to welding and cutting on high-amps

Introducing the Speedglas® 9002V and 9002X auto-darkening welding filters: the most versatile ADFs ever!

Through comprehensive Research & Development, we have combined the low-amp TIG inverter performance of the Speedglas 9000Xi with the wide versatility and features of the 9000V and 9000X to create the 9002 series.

- More choices for personalized settings than ever before!
- New developed detectors increases the welding filters sensitivity, resulting in a reliable switching for many different welding methods, even extremely stable arcs.
- Sensitivity adjustable in four levels.
- Handles inverter settings as low as 1 amp!
- Excellent for arcs partially-obscured by pipes, tubes or the welder's hands.
- Time for the auto-off function has been extended to 60 minutes.
- All settings are kept until you use your welding filter again.

All-new control panel

New membrane-covered control buttons allow gloved hands to adjust the filter's Shade, Sensitivity, Delay, and On/Off functions for personal settings. The membrane protects the filter from contaminants.

More user-friendly choices

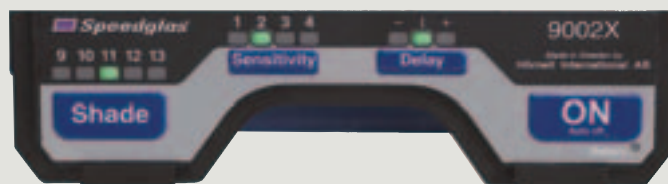
Our new solution for the detectors offers a versatile welding filter with four different levels of sensitivity for you as a user to choose from. The detectors can be set extremely sensitive to react on stable arcs with low-amps. In other situations you can set the detectors less sensitive, for example when doing MIG-welding with a few welders working close to each other.

Both our new welding filters have five dark shades on which the sensitivity can be set according to your own preferences.

In addition, the 9002 series has a new Delay function. That lets the user decide how quickly the filter changes from dark-to-light.



This is all about user comfort, personal preference, and having the filter perform exactly the way the welder wants for each specific welding application.



Examples

A welder is doing high amperage welding on stainless steel, creating an extremely bright weld pool. When the welder momentarily stops to reposition his electrode, he doesn't want to immediately see the brilliant glowing light from the hot weld pool, so he sets Delay to "+", to add time before the filter switches from dark-to-light.

A welder is doing a series of tack welds in rapid order. He wants to be able to check the weld in the light state and move to the next weld position as quickly as possible, so he sets Delay to "-", to reduce time for the dark-to-light switching.

Speedglas 9002X - Our top-of-the-line filter

- ▶ Large viewing area: 55 x 107 mm.
- ▶ A solar panel extends battery life to approximately 3000 hours.
- ▶ Four user-selectable Sensitivity levels handles all types of arc welding. Unsurpassed in intelligent switching during low-amp (1 amp), steady TIG welding.
- ▶ Three user-selectable Delay settings allow the welder to adjust the dark-to-light switch time.
- ▶ Five dark shade levels.



Part numbers Speedglas 9002X welding filter only: 40 00 80
Complete welding helmet: 40 11 80
Complete welding helmet with SideWindows: 40 18 80

Speedglas 9002V - Handles all arcs and has variable dark shades

- ▶ Four user-selectable Sensitivity levels handles all types of arc welding. Unsurpassed in intelligent switching during low-amp (1 amp), steady TIG welding.
- ▶ Three user-selectable Delay settings allow the welder to adjust the dark-to-light switch time.
- ▶ Five dark shade levels.



Part numbers Speedglas 9002V welding filter only : 40 00 70
Complete welding helmet : 40 11 70
Complete welding helmet with SideWindows: 40 18 70

Technical Data

	SPEEDGLAS 9002X	SPEEDGLAS 9002V
Approvals Eye protection Classification	Conforms to EN 379 1 / 1 / 2	Conforms to EN 379 1 / 1 / 1
Switching time light-dark Switching time dark-light	0,1 ms (+23°C) 60 – 500 ms	0,1 ms (+23°C) 60 – 500 ms
UV / IR protection	Shade 13 (permanent)	Shade 13 (permanent)
Viewing area	55 x 107 mm	44 x 92 mm
Light state Dark state Fail / Safe state	Shade 3 Shade 9 – 13 (variable) Shade 5 – 6	Shade 3 Shade 9 – 13 (variable) Shade 5 – 6
Battery type Solar cell Battery life time	Lithium 3 Volt Yes 3 000 hours	Lithium 3 Volt No 1500 hours
Range of temperature Use Storage	-5°C – +55°C -30°C – +70°C	-5°C – +55°C -30°C – +70°C



The product on the photo has a specially designed front.

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