



## REAL-COLOUR

### Auto-darkening (Solar) Underwater Welding Filter/Lens

Our new **real-colour** fully waterproof underwater auto-darkening 'A' type welding filter offers significant improvements in clarity over the old green filters; ideal for more colourful welding. The filter also has a larger solar-panel, thus improving sensitivity.

Pure Solar Power: - The welding filter operates purely on solar-power (requires no batteries). The sophistication of the electronics allow the filter to operate with ambient light levels as low as 75-100 LUX. However, if the diver feels the filter is not switching correctly, then use of a hat-light is recommended, to help increase the ambient light conditions.

The switching speed remains the same at 0.2-0.25ms, as tested during production, and is designed to operate in the toughest conditions. The filters will handle knocks and scrapes and require no special precautions, although after use, it should be rinsed off in freshwater and dried before storing.

The new 'A' filter is fully automatic. Filter strength is controlled automatically based on the available UV light and visibility conditions, thus providing the most appropriate filter strength for the environment.

The filter fits into our new welding assembly mechanism. If a non standard welding lens assembly is used, ensure the light sensors are not restricted, as full access to the welding arc is required. Also, make sure no other additional 'clear' lenses are attached in front or behind the filter, otherwise water will ingress into the space and may cause vision blurring problems.

Filter dimensions are 108 x 50 x 3mm (4¼" x 2" x 1/8") and the filter weighs less than 35g.



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DO NOT PLACE ANYTHING IN FRONT OF THE LENS OR SOLAR PANEL

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