



## AGARCANE

Arcane, Polycarbonate  
Welding Helmet Filter  
2" X 4-1/4" ADF Shade 9/10/11/12

### Features

- **Clear View Auto-Darkening Technology**– Experience working in a safer and more efficient environment with this lens from the first arc to the last. Allows for a thinner lens which fits in all 2" x 4.25" welding helmets
- **Microelectronics & Crystal Blue Technology**
- Within the 2" x 4.25" lenses, this lens has one of the world's fastest dim switching speeds at 1/3000 of a second! Quick reaction times reduce fatigue on a welder's eyes
- Comes with 2 polycarbonate plates, to be used in the front and back of filter
- Provides a more comfortable transition from dark state to light state
- **Efficient Power Management**– This filter is always reward to work; its unique rechargeable battery ensures you many years of reliable operation
- **6 Month Warranty**– Against manufacturer defects

### Technical Specifications

- **Cartridge Size:** 50.8 x 107.95mm (2 x 4.25")
- **Viewing Area:** 96.5 x 34 mm (3.80 x 1.34")
- **Thickness:** 3.3mm (0.13")
- **Power Supply:** Solar and Backup Lithium battery (2 x CR1025) combination (non-replaceable)
- **Shade 9 Light State:** DIN 2.5 (with standard 1/1/1/1)
- **Shade 10 Light State:** DIN 2.5 (with standard 1/1/1/1)
- **Shade 11 Light State:** DIN 2.5 (with standard 1/1/1/2)
- **Shade 12 Light State:** DIN 3 (with standard 1/1/1/2)
- **AUTO ON/OFF:** Yes
- **Switch time:** Time required to switch between shades: 0.0003s
- **TIG capability:** > 10A
- **UV & IR Protection:** Up to shade 16
- **Weight:** 34g
- **Packaging:** Individually packaged
- **Country of Origin:** China

### Applications

- Designed for use with welding, or plasma arc cutting/gouging.
- Auto-Darkening will automatically change from a light state to a dark state when arc welding starts and will automatically returns to a light state when the arc stops. (Fully read user manual and match your welding application to the shade indicated on the shade chart.)
- Manufacturing – Architectural and Structural Metals, Mining, Agricultural, Motor Vehicles, Aerospace, Shipbuilding, and Pipelines
- Construction – Residential, Commercial, Bridges, Dams, Utilities or any other industry where welders may work

### Usage Instructions

#### Before welding

- Check the front & back polycarbonate lenses are securely in place to protect against impact, spatter, and scratching.
- Adjust headband so that the helmet is seated on the head as low as possible and near to your face. Adjust helmet angle when in the lowered position by turning headgear.
- Ensure helmet shell/frame does not obstruct solar panels or sensors, doing this may cause eye injury while welding.
- Check the correct operation of the filter.

#### Additional Instructions

Operating temperature: 14°F ~ 131°F (-10°C ~ 55°C). Not recommended for use on welding above 500 Amp or 176°F (80°C). Do not use or open the auto-darkening filter if damaged by shock, vibration or pressure. Keep the sensors and solar cell clean. Clean the filter cartridge using a soapy water solution and soft cloth which should be damp but not saturated. Do not leave lowered in position; a bright light surface could cause the filter to darken unexpectedly. Do not use solvents or abrasive cleaning detergent. If cover lens is spattered or covered with dirt, it should be replaced immediately. Do not use the helmet without inside and outside cover lenses properly installed.