

## Better Protection for Welders

ARC-513 welding goggles can be used with a wide range of complementary PPE ensuring the best possible protection for the job. Respiratory, head and hearing protection can all be used and a range of fire retardant hoods, balaclavas and the Servore nylon Clipshield™ help complete the system delivering better protection from the associated risks of welding.

### 1) Clipshield™

Incredibly light (only 220gms), comfortable and practical, the Servore clipshield, simply snaps on to the Arc-513 goggles, to create a new type of welding face shield. The tough nylon clipshield can be removed as easily as it is mounted for storage and transport and re-fitted in seconds. Convenient, comfortable and protective the new Clipshield from Servore is simply a better solution and a new category of welding PPE.



### 2) Softshield™

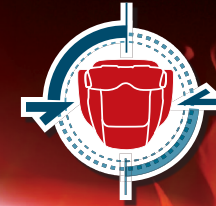
The Servore Softshield™ series of fire retardant masks, hoods and balaclavas are specially designed for use with the Arc 513 goggles and help provide better protection against the hazards of welding. Fire retardant even after washing, the Softshield™ series are made from 98% cotton that wicks sweat away in summer and keeps you warm in winter. Select the most appropriate protection from the Softshield™ range for the job at hand.



Fire retardant mask

Fire retardant balaclava  
A Type

Fire retardant balaclava  
C Type



# Arcshield™



**SERVORE**

## Introducing the ArcShield-513.

The world's first auto-darkening welding goggle PPE system from Servore, the leaders in better protection. At the heart of the ArcShield system are the Arc-513 goggles. Multi-function and multi-purpose, Arc-513 goggles can be used for grinding, gas cutting and welding, plasma cutting and ARC/MIG/TIG/MAG welding from shades #5 through #13.

### Product Color



### Simply a better solution. Better Protection. ARC-513 Auto-darkening welding goggles.

- Ideal for confined space work, mobile welding, welding inspection.
- Use for: Grinding, Gas Welding & Cutting, ARC, MIG, MAG, TIG.
- Can be used with hard hats, respiratory protection and a wide range of accessories for maximum protection and flexibility.
- Servore PPE accessories include, the Softshield™ range of fire retardant welding hoods and masks and the unique nylon Clip-shield™
- User-replace able silicon skirt is designed to fit comfortably on all face profiles and Rx/prescription lenses can be fitted to make welding clearer and more comfortable.
- CE/ANSI/CSA/AS NZ certified. US and other patents pending

## Ergonomic Design Optimized for Comfortable Welding

The ARC-513 are the first auto darkening goggles designed by welders for welders. Based on careful research and ergo nomically designed for fit, they are light, comfortable and easy to live with. As the heart of the new system, and a new concept in welding PPE, the Arc-513 goggles also incorporate unique and innovative features such as a shock absorbing, heat resistant frame; a self-adjusting silicon skirt and an 'eye-breathe' air vent system for mist reduction and optical comfort. The front cover lens is also hard coated for extra durability and increased protection from spatter, dirt and dust.

### 1 Silicon skirt:

User replaceable silicon skirt conforms to your face profile for a comfortable pressure-free fit.

### 2 Dual 'Eye-Follow' detectors:

In-line detectors optimally positioned for arc-detection.



### 3 Air vent system:

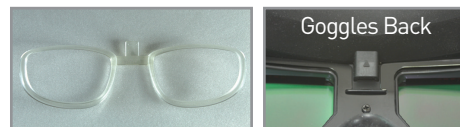
Eye-Breathe™ air vent system helps minimise fogging and increases eye comfort. Optional anti-fog films and coatings can be used for extreme environments.

### 4 3D protective lens:

The protective cover lens is hard-coated for increased protection against spatter, scratching and impact.

### Rx/Prescription lens frame:

The included Rx/prescription lens frame adds versatility and convenience to the Arc-513 system. For those that need glasses welding is now clearer, more comfortable and convenient. # Note, prescription lenses must be installed in the provided frame as required. Lenses not included.



## The Arc-Shield Concept

Designed after years of research and consultation with welders and safety professionals the Arc-Shield System provides a better, more flexible solution to the demanding needs of modern welders. From confined space work to pipe fitting; re-modelling and repair of automobiles, ships and equipment; welding in spection, supervision and training; maintenance and repairs as well as a host of other applications the Arc-Shield system is simply the better solution. Grind with the power off at shade #3; gas weld/cut/plasma at shade #5 and #7; weld in auto-darkening comfort at #5, #7, #9, #11, #13.



## ARC-513 Specifications and Warranty

Speed	1/15,000th Sec	
Shade	Pre/Post Welding	Shade #4 (passive mode) Shade #5, #7, #9, #11, #13
Sensitivity	5 sensitivity levels from low to high	
Power / Battery Life	Lithium 3V (CR2032 x 2) = Approx. 1,000 hrs.	
Sensors	Two	
Passive Mode	Can be used as eye protection for grinding in passive mode. Note, additional face protection is ALWAYS required.	
Gas Welding/ Manual Mode	Press [HOLD] then use [SHADE] to switch between #5 and #7	
Weight	Arc-513	Approx. 162gms
	Arcshield-513	Approx. 220gms
Working Temperature	-5°C to +55°C	
Storage Conditions	Clean, dry - 20°C ~ +70°C	
Accessories	Balaclava, Skull rag, Hard hat etc.	
Warranty	2 years	