



SINGLE SHADE AUTO-DARKENING FILTERS



Singles[®] AND *Super Singles 240*

The Perfect General Purpose Auto-Darkening Welding Filter

- Three sizes to choose from, one low price
- The highest level of UV/IR protection up to shade 16
- A power off mode on the Super Singles 240 that maintains the light state when grinding
- Select a shade 9, 10, 11 and 12 with a light state of 2.5 (3 for shade 12)
- Never any batteries to change
- Water and Dust Resistant

Singles[®] AND *Super Singles*[™] 240

Singles® And Super Singles™₂₄₀ Auto Darkening Filters

GENERAL-PURPOSE WELDING FILTER

The **SINGLES** and **SUPER SINGLES 240** filters are both the perfect general use auto-darkening filter. Great for Stick, TIG and MIG welding. The **SINGLES** is capable of fitting most manufacturer's welding helmets. Choose the **SINGLES** with a dark state of 9, 10, 11 or 12 or the **SUPER SINGLES 240** with a dark state of 10.5. Both have an **INCREDIBLY** clear light state of 2.5 (3 for shade 12 on the **SINGLES**).

TECHNOLOGY

Two factory tuned independent sensors provide maximum arc detection. The **SUPER SINGLES 240** has a power off mode specifically designed to maintain the light state when grinding and a sensitivity and delay mode for TIG welding. Both filters are solar powered so there are never any batteries to change. Up to shade 16 UV/IR protection in both the light and dark state protects the user from the long term effects of infra-red burn.

DURABILITY

Both **SINGLES** and **SUPER SINGLES 240** are designed to stand up to any harsh welding environment and capable of withstanding temperatures between 14 - 148 degrees F. With the solar powered technology there are never any batteries to change. Water and dust resistant so compartments won't corrode due to sweating, humidity, condensation or rain.

APPLICATIONS

For use with all arc welding applications such as Stick, TIG, MIG or cutting with amperages between 50 - 300 amps. Provides consistent flicker free performance. Not recommended for laser or oxy-acetylene applications. The **SUPER SINGLES 240** works in TIG 10 amps. with use of sensitivity mode.

WATER & DUST RESISTANT

The enclosure is both water and dust resistant to minimize electronic failure due to adverse weather and climate conditions. Both filters are especially suited for outdoor use and high humidity conditions.

Filter Information



*Note: X Indicates shade number.

Technical Information

	Singles®	Super Singles™₂₄₀
Active Viewing Area:	5.25 Sq. In.	5.25 Sq. In.
Sensitivity & Delay Retro-Fit	No	Yes
UV/IR Protection :	Yes	No
Power Supply:	Up to Shade 16	Up To Shade 16
Switching Speed:	Solar	Solar
Grinding Mode:	0.5 Milliseconds	0.5 Milliseconds
Thickness:	No	Yes
Sensors:	0.25"	2
Light State:	2	2.5
Dark State:	2.5 (3 for Shade 12)	10.5
Water Resistant:	9, 10, 11 or 12	Yes
Dust Resistant:	Yes	Yes
Dark to Light Delay:	Yes	Yes
Power Supply Backup:	0.2 Seconds	0.1 or 2
Operating Temperature:	Lithium Battery	Lithium Battery
Storage Temperature:	14 - 148 degrees F	14 - 148 degrees F
	Room Temperature	Room Temperature

Singles Auto-Darkening Filters Are Available In These Helmets Styles

VISION®



SINGLES:
 S240-X-0500-Black/Black Pack
 S240-X-0501-Black/Silver Pack
 S240-X-0510-Silver/Black Pack
 S240-X-L500-Black/Black Pack
 S240-X-L501-Black/Silver Pack
 S240-X-L510-Silver/Black Pack
S540-X-0500-Black/Black Pack
S540-X-0501-Black/Silver Pack
S540-X-0510-Silver/Black Pack

SUPER SINGLES 240:
 SS240-0500-Black/Black Pack
 SS240-0501-Black/Silver Pack
 SS240-0510-Silver/Black Pack

Narrow design with replaceable lens packs allows multiple welding lens and custom helmet configurations. Perfect helmet for tool cribs and job shops. Available in black and silver in a 5x4" and 2x4" filter format.

FALCON®



SINGLES:
 S540-X-0400 - Black

Lightweight fiberglass design constructed with a special layer process for increased strength with reduced weight. Ideal for high heat (passive welding only) applications and overhead welding. Available in black in a 5x4" filter format.

EAGLE®



SINGLES:
 S450-X-0200-Black
 S450-X-0210-Silver
 S450-X-0220-Red

Rugged, yet lightweight design offers full head neck and ear coverage. Perfect for all around welding applications. Enough room for a respirator. Available in black, silver and red in a 4x5" filter format.

HAWK®



SINGLES:
 S240-X-0300-Black
 S240-X-0310-Silver
 S240-X-0320-Red

SUPER SINGLES 240:
 SS240-0300-Black
 SS240-0310-Silver
 SS240-0320-Red

One of our lightest welding helmets with excellent head, neck and ear coverage. Perfectly balanced and lightweight. The ideal helmet for general welding applications and comfortable enough all day use. Available in black, silver and red in a 2x4" filter format.

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Note: Singles, Vision, Falcon, Eagle and Hawk are registered trademarks of A.C.E. International Inc.

ArcOne is a division of A.C.E. International, 85 Independence Drive, Taunton, MA 02780
 Toll Free: 800-223-4685 Fax: 508-884-9666 Website: www.arclweldsafe.com

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