

Auto Darkening Filter (ADF) for MSA Full Facepiece Welding Adapters



North America

Based on proven Optrel LiteFlip technology, this ADF is custom designed to fit any MSA Full Facepiece Welding Adapters for tight fitting facepieces (4-1/2" x 5-1/4").

- Fits all MSA full facepiece respirator welding adapters
- Fully-automatic shade adjustment—manual adjustment of the shade level not required
- True color view provides unmatched color in the active welding state
- Shade level range 4/5-14 with fully-automated shade level adjustment
- Adjustable delay function with twilight function returning to inactive mode



| MSA Part No. | Description |
|--------------|--|
| 10250048 | Auto Darkening filter (ADF) for MSA Welding Adapters |

Specifications

| | |
|---|---|
| Shade level | Shade Level 1 (open flip adapter) Shade Level 4 (bright mode, folded flip adapter) Shade Level 5–14 (dark/active mode, folded flip adapter) |
| UV/IR protection | Maximum protection in light and dark modes (folded flip adapter) |
| Switching time from light to dark | 0.1 ms (23°C/73°F), 0.1 ms (55°C/131°F) |
| Switching time from dark to light | “Fast” = 0.3 s “Twilight” = 1.5 s with fading effect |
| Shade cartridge dimensions | 90 x 110 x 9.5 mm/3.54 x 4.33 x 0.37” |
| Field of view dimensions | 50 x 100 mm/1.97 x 3.94” |
| MSA welding adapter dimensions | 114 x 133/4.5” x 5.25” (nominal) |
| Power supply | Solar cells, 2 pcs. Replaceable 3V LI batteries (CR2032) |
| Operating temperature | -10°C – 70°C / 14°F – 157°F |
| Storage temperature | -20°C – 70°C / -4° F – 157° F |
| Classification in accordance with EN 379 | Optical Class = 1 Homogeneity = 1 Scattered Light =1 Viewing angle dependence = 2 |
| Certifications | CE, ANSI, EAC, Complies with CSA |

Instruction Guide

Optrel® Lite Flip Autochange Visor Insert for MSA Welding Adapters

1



1. Remove wire spring and narrow spacer.

2



2. Insert wide spacer that was supplied with the Auto Change Visor.

3



3. Nest the Auto Change Visor into the holder.

4



4. Place nested visor into the adapter ensuring top orientation.

5



5. Replace narrow spacer.

7



6. Replace wire spring to secure the assembly into the adapter.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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