

## Anchor Brand FS-1H-12

# Anchor Brand FS-1H-12 Glass Filter Plate User Manual

Model: FS-1H-12 | Brand: Anchor Brand (by Ors Nasco)

## 1. INTRODUCTION

This manual provides essential information for the proper use, installation, and maintenance of the Anchor Brand FS-1H-12 Glass Filter Plate. This product is designed to provide eye protection in specific applications, primarily welding, by filtering harmful light. Please read this manual thoroughly before use to ensure safety and optimal performance.

## 2. SAFETY INFORMATION

Your safety is paramount. The FS-1H-12 Glass Filter Plate is a critical component for eye protection. Failure to follow these safety guidelines can result in serious eye injury.

- **Eye Protection Standard:** This filter plate is marked with H Z87 12, indicating compliance with ANSI Z87.1 standards for eye and face protection. Always ensure your entire protective assembly (e.g., welding helmet) meets relevant safety standards.
- **Shade Level:** This filter plate has a Shade 12 rating. Shade 12 is suitable for specific welding processes and current ranges. Always consult welding safety charts to confirm that Shade 12 is appropriate for your specific application and welding current. Using an incorrect shade level can lead to arc eye or permanent vision damage.
- **Inspection:** Before each use, inspect the filter plate for any cracks, scratches, chips, or other damage. A damaged filter plate must be replaced immediately as its protective capabilities may be compromised.
- **Cleanliness:** Keep the filter plate clean. Dirt, dust, or smudges can impair visibility and reduce the effectiveness of the filter.
- **Storage:** Store the filter plate in a clean, dry place, protected from impact and extreme temperatures.

## 3. PRODUCT DESCRIPTION AND COMPONENTS

The Anchor Brand FS-1H-12 is a rectangular glass filter plate designed for use in welding helmets or other

compatible eye protection devices. It features a specific shade level to protect the eyes from intense light, ultraviolet (UV), and infrared (IR) radiation generated during welding and similar operations.





Image 1: Anchor Brand FS-1H-12 Glass Filter Plate, Shade 12, shown in its clear plastic packaging. The packaging displays the 'Green Diamond' logo, model 'FS-1H', dimensions '2x4 1/4', 'Filter Plate', 'SHADE 12', and 'Nasco' branding. The filter itself is a dark green glass rectangle.

- **Material:** Glass
- **Dimensions:** Approximately 2 inches x 4 1/4 inches (50.8 mm x 107.95 mm)
- **Shade Level:** 12 (Green)
- **Standard Compliance:** H Z87 12 (ANSI Z87.1)

## 4. INSTALLATION/SETUP

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The FS-1H-12 Glass Filter Plate is designed to be installed into compatible welding helmets or hand shields. Follow the specific instructions provided with your welding helmet for proper installation.

1. **Identify Filter Holder:** Locate the filter plate holder or frame within your welding helmet. This is typically a slot or compartment designed to securely hold the filter plate.
2. **Remove Old Filter (if applicable):** If replacing an existing filter, carefully remove it according to your helmet's instructions.
3. **Clean Helmet Frame:** Ensure the filter holder area is clean and free of debris that could prevent the new filter from seating properly or cause damage.
4. **Insert Filter Plate:** Carefully slide the Anchor Brand FS-1H-12 Glass Filter Plate into the designated slot. Ensure it is seated flush and securely.
5. **Install Cover Lenses:** Always use a clear cover lens (outer and inner, if applicable) to protect the glass filter plate from spatter, scratches, and impact. These cover lenses are typically made of polycarbonate and are replaceable.
6. **Secure Components:** Close and secure any retaining clips, frames, or covers on your helmet to hold all lenses in place.
7. **Test Fit:** Before beginning work, ensure the filter plate and cover lenses are securely in place and provide an unobstructed, clear view when the helmet is in the down position.

## 5. OPERATION/USAGE

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Once properly installed in a compatible welding helmet, the FS-1H-12 Glass Filter Plate functions automatically by providing a fixed Shade 12 level of protection. No user adjustment is required for the filter plate itself.

- **Pre-Operation Check:** Always perform a visual inspection of the filter plate and cover lenses for damage or dirt before each use.
- **Correct Shade:** Reconfirm that Shade 12 is the appropriate shade level for the specific welding process and

current you are using.

- **Helmet Position:** Ensure your welding helmet is correctly positioned to fully cover your face and eyes before striking an arc.
- **Visibility:** If visibility through the filter plate is poor due to dirt, scratches, or fogging, cease operation and address the issue.

## 6. MAINTENANCE AND CARE

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Proper maintenance extends the life of your filter plate and ensures continued protection.

- **Cleaning:** Clean the filter plate using a soft, lint-free cloth and a mild glass cleaner or lens cleaning solution. Avoid abrasive materials or harsh chemicals that could scratch the glass or damage coatings.
- **Inspection:** Regularly inspect the filter plate for any signs of damage, such as cracks, deep scratches, or pitting from welding spatter. Even minor damage can compromise protection.
- **Replacement:** Replace the filter plate immediately if any damage is detected. Do not attempt to repair a damaged filter plate.
- **Cover Lenses:** Replace outer and inner cover lenses frequently as they become scratched or dirty. These sacrificial lenses protect the more expensive glass filter plate.
- **Storage:** When not in use, store the filter plate in a protective case or within the helmet, away from direct sunlight, dust, and extreme temperatures.

## 7. TROUBLESHOOTING

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Most issues related to a glass filter plate are straightforward.

- **Poor Visibility:**
  - **Cause:** Dirty or scratched cover lenses.
  - **Solution:** Clean or replace the cover lenses.
  - **Cause:** Dirty or scratched filter plate.
  - **Solution:** Clean the filter plate. If scratched, replace it.
  - **Cause:** Fogging.
  - **Solution:** Ensure adequate ventilation in the work area or use anti-fog solutions on cover lenses if compatible.
- **Eye Discomfort/Flash:**
  - **Cause:** Incorrect shade level for the welding process.
  - **Solution:** Verify that Shade 12 is appropriate for your application. If not, replace with the correct shade filter.
  - **Cause:** Damaged filter plate (crack, chip).
  - **Solution:** Immediately replace the filter plate.
  - **Cause:** Light leaking around the filter plate.
  - **Solution:** Ensure the filter plate is properly seated and secured in the helmet frame. Check helmet for light leaks.

## 8. SPECIFICATIONS

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| Feature             | Detail                                        |
|---------------------|-----------------------------------------------|
| Model Number        | FS-1H-12                                      |
| Part Number         | 101-FS-1H-12                                  |
| Material            | Glass                                         |
| Dimensions          | 2 inches x 4 1/4 inches (50.8 mm x 107.95 mm) |
| Shade Level         | 12 (Green)                                    |
| Standard Compliance | ANSI Z87.1 (indicated by H Z87 12 marking)    |
| Item Weight         | 3.2 ounces (approx. 90.7 grams)               |
| Manufacturer        | Anchor Brand (Ors Nasco)                      |
| UPC                 | 04669110096                                   |

## 9. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Anchor Brand FS-1H-12 Glass Filter Plate, please refer to the original product packaging or contact the manufacturer, Anchor Brand (Ors Nasco), directly through their official website or customer service channels. Always retain your proof of purchase for warranty claims.

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### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**