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Speakman SEF-1000-CA

Speakman SEF1000CA Eyesaver Classic Laboratory Faucet with Integrated Emergency Eye Wash Instruction Manual

Model: SEF-1000-CA

1. IMPORTANT SAFETY INFORMATION

This instruction manual contains vital information for the proper installation, operation, and maintenance of the Speakman SEF1000CA Eyesaver Classic Laboratory Faucet with Integrated Emergency Eye Wash. Read all instructions thoroughly before installation and use. Failure to follow these instructions could result in serious injury or property damage.

- Ensure all local plumbing codes and regulations are met during installation.
- This unit is designed for emergency eye washing. It is not intended for continuous use as a primary water source.
- Regular testing and maintenance are crucial to ensure the unit functions correctly in an emergency.
- The product features lead-free brass construction, complying with safety standards.
- Always use clean, potable water for the eyewash function.

2. PRODUCT OVERVIEW

The Speakman SEF1000CA is a laboratory faucet featuring an integrated emergency eyewash. This unit combines a fully functional gooseneck faucet with an independently operated eyewash, providing essential safety in laboratory environments. The eyewash is activated by a pull handle and delivers aerated sprays for effective eye flushing.



Figure 1: Speakman SEF1000CA Eyesaver Classic Laboratory Faucet with Integrated Emergency Eye Wash. This image shows the chrome-plated faucet base with a gooseneck spout, and two yellow eyewash heads positioned above the spout. A black 'PULL' handle is visible below the eyewash heads, used for activation.

Key Features:

- Integrated gooseneck faucet and emergency eyewash.
- Pull handle eyewash activator for quick response.
- Eyewash performs at 2.4 gallons per minute (gpm) at 30 psi.
- Chrome-plated brass finish for durability and aesthetics.
- Lead-free brass construction ensures compliance with safety standards.
- Designed for retrofit widespread spout applications (faucet valves not included).

3. SETUP AND INSTALLATION

This unit is designed for retrofit applications, meaning it replaces an existing faucet. Faucet valves are not included and must be sourced separately. Professional installation is recommended.

Required Tools and Materials (Not Included):

- Adjustable wrench

- Plumber's tape or thread sealant
- Screwdriver
- Appropriate faucet valves for widespread installation
- Drill (if new counter holes are required)

Installation Steps:

1. **Prepare the Installation Area:** Turn off the main water supply. Clear the area under the sink. Remove any existing faucet. Ensure the counter thickness is suitable (up to 2 inches).
2. **Install Faucet Valves:** Install the hot and cold water faucet valves (not included) into the designated holes on the countertop according to their manufacturer's instructions.
3. **Mount the Faucet Body:** Insert the main body of the Speakman SEF1000CA into the center hole of the countertop. Secure it from underneath using the provided mounting hardware. Ensure the unit is oriented correctly with the eyewash heads facing forward.
4. **Connect Water Supply:** Connect the hot and cold water lines from the faucet valves to the corresponding inlets on the Speakman unit. Use plumber's tape or thread sealant on all threaded connections to prevent leaks.
5. **Connect Eyewash Water Supply:** Connect the dedicated water supply line for the eyewash to the eyewash inlet on the unit. This connection should be to a potable water source.
6. **Test for Leaks and Functionality:** Slowly turn on the main water supply. Check all connections for leaks. Activate the faucet to ensure proper water flow. Activate the eyewash by pulling the handle to verify the spray pattern and flow rate (2.4 gpm at 30 psi). Flush the lines for several minutes to clear any debris.

4. OPERATING INSTRUCTIONS

Using the Faucet:

The gooseneck faucet operates independently. Use the hot and cold water handles (from your installed faucet valves) to control water temperature and flow as with any standard laboratory faucet.

Activating the Emergency Eyewash:

1. In case of eye contamination, immediately proceed to the eyewash unit.
2. Grasp the black "PULL" handle located below the eyewash heads.
3. Pull the handle firmly towards you. This will activate the eyewash, providing a continuous flow of aerated water to both eyes.
4. Hold eyelids open with fingers and roll eyes to ensure thorough flushing. Flush eyes for a minimum of 15 minutes, or as directed by medical personnel.
5. Seek immediate medical attention after flushing.
6. To deactivate the eyewash, push the handle back to its original position.

5. MAINTENANCE

Regular maintenance ensures the reliability and longevity of your Speakman SEF1000CA unit.

- **Weekly Activation:** Activate the eyewash weekly for a short period (e.g., 30 seconds) to flush the line and prevent sediment buildup. This also verifies proper operation.

- **Cleaning:** Clean the exterior of the unit with a mild soap and water solution. Avoid abrasive cleaners that could damage the chrome finish.
- **Eyewash Head Inspection:** Periodically inspect the eyewash spray heads for any blockages or damage. Ensure the protective dust covers (if present) are intact and functioning.
- **Flow Rate Verification:** Annually, or as required by local regulations, verify the eyewash flow rate meets the specified 2.4 gpm at 30 psi. Adjust water pressure if necessary.
- **Lead-Free Compliance:** As the unit is constructed with lead-free brass, no special lead-related maintenance is required beyond standard plumbing practices.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No water flow from eyewash.	Water supply off; clogged spray heads; faulty activator mechanism.	Check water supply valve. Clean spray heads. Contact qualified personnel for mechanism inspection.
Low water flow from eyewash.	Low water pressure; partially clogged spray heads or supply line.	Verify water pressure meets specifications. Clean spray heads. Flush supply line.
Leaking from connections.	Loose connections; worn seals/gaskets.	Tighten connections. Replace seals/gaskets as needed.
Faucet not working.	Issue with external faucet valves (not part of SEF1000CA unit).	Refer to the instruction manual for your specific faucet valves.

7. SPECIFICATIONS

- **Model Number:** SEF-1000-CA
- **Product Dimensions:** 5.5 x 4.25 x 9 inches
- **Weight:** 10 Pounds
- **Eyewash Flow Rate:** 2.4 gpm @ 30 psi
- **Construction Material:** Lead-free brass
- **Finish:** Chrome-plated
- **Counter Thickness Compatibility:** Up to 2 inches
- **Country of Manufacture:** United States

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided at the time of purchase or visit the official Speakman website. Speakman stands behind the quality of its products.

For technical support, replacement parts, or further assistance, please contact Speakman customer service:

- **Website:** www.speakman.com
- **Contact Information:** Refer to the website for current phone numbers and email addresses.

When contacting support, please have your model number (SEF-1000-CA) and date of purchase available.

