



STYLE 2197, 2198, 5079, 5097, 5098 NOZZLE OPERATING INSTRUCTIONS

The following is intended to provide the basic instruction for operating these Styles. Read and understand these operating instructions before use.



Read and follow the operating instructions before use.



For firefighting use only.

Product Ratings

Style 2197, 5097 Maximum Flow and Pressure

- 100 psi maximum operating pressure
- 1000 GPM (3800LPM) maximum flow

Style 2198, 5079, 5098 Maximum Flow and Pressure

- 100 psi maximum operating pressure
- 2000 GPM (7600LPM) maximum flow

Style 2197, 2198, 5097, 5098 Electrical requirements

- 120VAC

Style 5079, 5097 Electrical requirements

- 24V DC

Style 5098: Electrical requirements

- 12V DC

Product Warnings



- Indicates a hazardous situation which, if not avoided, WILL result in death or serious injury.



- Indicates a hazardous situation which, if not avoided, COULD result in death or serious injury.



- Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



- Addresses practices not related to personal injury.



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WARNING

- Charge all lines slowly to facilitate a controlled water pressure build-up during start-up. Open and close slowly. Rapid opening will produce a sudden thrust. Rapid opening and closing can cause water hammer. Have your monitor properly supported to control the reaction force created by the stream.

WARNING

- At pressures below that indicated on the label, the nozzle will have reduced flow and reach. Be sure you have enough flow and pressure for the situation (See IFSTA and NFPA manuals for guidelines).

WARNING

- Ensure the Nozzle is aimed in a direction that is safe, prior to flowing.

WARNING

- Do not use the Nozzle as a forcible entry tool. Doing so may damage it or make it inoperable.

WARNING

- Ensure the thread on the nozzle swivel is matched to the thread on the monitor.

CAUTION

- If any tags or bands on the nozzle are worn or damaged and cannot be easily read, they should be replaced.

CAUTION

- For use with fresh water or standard fire fighting foams only. Not recommended for use with saltwater. After use with foam or saltwater, flush with fresh water.

CAUTION

- For firefighting use only.

CAUTION

- Do not over tighten the nozzle onto the hose connection.

CAUTION

- The nozzle is configured for optimum performance. Do not alter in any manner.

CAUTION

- Do not expose the pattern control ring to Trichlorethylene or Trichlorethane. These chemicals can weaken the parts and make the nozzle inoperable over time.

CAUTION

- Your nozzle should be inspected prior and after each use, to ensure it is in good operating condition. Periodically, an unanticipated incident may occur where the nozzle is used in a manner that is inconsistent with standard operating practices and those listed in IFSTA. A partial list of potential misuses follows:

- Operating above the maximum rated pressure and flow.
- Not draining and allowing water to freeze inside the nozzle.
- Dropping the nozzle from a height where damage is occurred.
- Prolonged exposure to temperatures above +130 °F, or below – 25 °F.
- Operating in a corrosive environment.
- Other misuse that might be unique to your specific firefighting environment.

There are many tell-tale signs that indicate nozzle repair is in order, such as:

- Controls that are either inoperable or difficult to operate.
- Excessive wear.
- Poor discharge performance.
- Water leaks.

If any of the above situations are encountered, the nozzle should be taken out of service and repaired, plus tested by qualified nozzle technicians prior to placing it back in service.



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Operating Instructions

- **Style 5079, 5098:** To change spray angle, rotate pattern control ring clockwise for straight stream or counterclockwise for fog.
- **Style 2197, 2198, 5079, 5097, 5098:** To change spray angle, push the toggle switch to either SS (straight stream) or Fog.
- **Style 2198, 5079, 5098:** Manual Override: Pull manual override knob out. Once out, rotate to the desired stream position. When finished, push and turn the override knob until it goes back into the stored position.

Maintenance Instructions

- Under normal conditions, periodically flushing the nozzle with clean water and cleaning grit and dirt from around exterior moving parts will allow the nozzle to operate as designed.
- Over time the seals and turbine teeth may need to be replaced. This can be accomplished by purchasing the appropriate Akron Brass repair parts. Use Qualified maintenance mechanics or return the nozzle to Akron Brass for repair.

Warranty Statement

WARRANTY AND DISCLAIMER*: We warrant Akron Brass products for a period of five (5) years* after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service. We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; failure to follow our instructions or recommendations; or anything else beyond our control. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Further, we will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty. Unless otherwise provided herein. Akron Brass industrial electronic components & the Severe-Duty Monitor have a one (1) year warranty. Select Akron Brass handline nozzles and valves carry a ten (10) year warranty. Weldon products have a two (2) year warranty from date of manufacture (excluding consumable components). Select Weldon LED products carry a five (5) year warranty. Honda products have the manufacturers' warranty and Akron Brass disclaims any warranty in respect of those products.



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Revision History

| Revision | Reason Updated |
|----------|-----------------|
| 7/2020 | New Instruction |
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