



STYLE 4450 & 4452 AQUASTREAM NOZZLE OPERATING INSTRUCTIONS

The following is intended to provide the basic instructions for operating an Aquastream nozzle. Read and understand these operating instructions before use.

PRODUCT RATINGS

Maximum Pressure: 200 psi/14bar

PRODUCT WARNINGS

DANGER

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

WARNING

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

CAUTION

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

NOTICE

- Addresses practices not related to personal injury.

WARNING

- Charge all lines slowly to facilitate a controlled water pressure build-up during start-up. Rapid charging can cause water hammer.

WARNING

- Drain the nozzle after use to prevent freeze damage.

WARNING

- At pressures below rated pressure, 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

- Ensure the thread on the inlet is matched to the thread on the mating connection.

CAUTION

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

CAUTION

- For fire fighting use only.

PHONE: 800.228.1161 | WEBSITE: www.akronbrass.com



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⚠ CAUTION

- Do not overtighten the nozzle onto the mating connection.

⚠ CAUTION

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

⚠ CAUTION

- Do not use the electric controls when the override cranks are being used or are in position for use.

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

OPERATING INSTRUCTIONS

- To change the spray angle rotate the pattern sleeve. Rotate it clockwise for straight stream and counterclockwise for wide fog.
- To change the gallonage follow the instructions below:
 - Remove cap screw (1) and baffle head (2). Add/ Remove required spacers. Replace baffle head and cap screw

Configuration Guide:

For 300GPM/1400LPM, no spacers

For 500GPM/1900LPM, thin spacer (4)

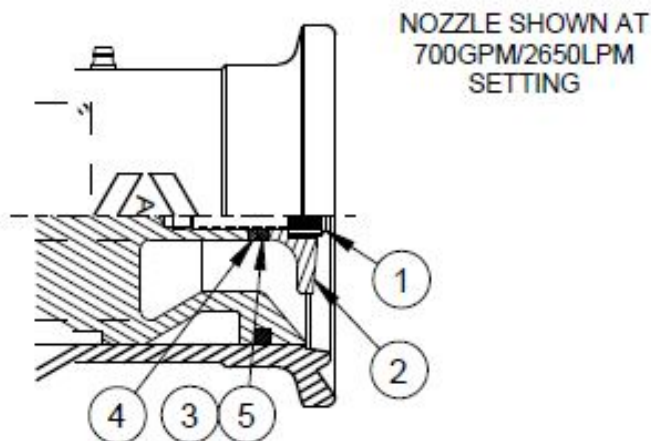
For 700GPM/2650LPM, thin spacer (4) and thick spacer (3)

**For factory default set 750 GPM nozzles see below:*

For 750GPM/2840LPM, thin spacer (4) and thickest spacer (5)



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- Certain models have been set at the factory for special flows and pressures. The baffle head used may not be listed in the parts list. Contact Akron Brass customer service for specific information for these nozzles.
- An optional pattern lock screw is available on some models. This allows the user to lock the stream into any pattern between straight stream and wide fog. The set screw is located in the center of the pattern stop nut and must be loosened before attempting to adjust the stream pattern.

MAINTENANCE

- 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.
- Periodically (at least annually), lubricate the pattern sleeve with Low-Temp Lubriplate by using the grease fitting on the side of the pattern sleeve.
- Over time the O-Rings may need to be replaced. This can be accomplished by purchasing the appropriate O-Rings shown on the service parts list. Use qualified maintenance mechanics or return the nozzle to Akron Brass for repair.

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.