



## **STYLE 4460 & 4461 RAMPAGE NOZZLE OPERATING INSTRUCTIONS**

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

### **PRODUCT RATINGS**

Maximum Pressure: 200 psi/14bar

### **PRODUCT WARNINGS**

- ⚠ **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 Rampage after use to prevent freeze damage.
- ⚠ **WARNING:** The Style 4460 is equipped with twist shutoff capability. Shutoff slowly to avoid water hammer damage.
- ⚠ **WARNING:** At pressures below 100 psi, 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 Rampage 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.

### **PRODUCT CAUTIONS**

- ⚠ **CAUTION:** If any tags or bands on the nozzle are worn or damaged and cannot be easily read, they should be replaced.
- ⚠ **CAUTION:** Styles 4460 and 4461 are designed for use with fresh water, sea water or standard fire fighting foams only. After use with foam or salt water, flush with fresh water.
- ⚠ **CAUTION:** For fire fighting use only.
- ⚠ **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:** 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. The Style 4460 has a detent at the straight stream position.
- To shut off the Style 4460, rotate the pattern sleeve clockwise slowly until it shuts off.
- To change the 750 gpm flow rate, remove the bafflehead and .118" thick spacer and install the 1000 gpm spacer (.218" thick) or use no spacer for 500 gpm.

## 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.



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