



STYLE 2188,2189,5088 RENEGADE™ 5000 GPM NOZZLE OPERATING INSTRUCTIONS

The following is intended to provide the basic instructions for operating a Renegade 5000 gpm nozzle. Read and understand these operating instructions before use.

PRODUCT RATINGS

Flow:	1000-5000 gpm Automatic Baffle @ 80 psi (5088)
	1000,2000,3000,4000, or 5000 gpm Fixed Baffle @ 80 psi (2188)
	1000-3000 gpm adjustable Baffle @ 80 psi (2189)
	3000-5000 gpm adjustable Baffle @ 80 psi (2189)
Maximum Pressure:	200 psi/14 bar
Minimum Voltage at motor:	12 Volt Motor: 10 volts at 10 amps 24 Volt Motor: 20 volts at 5 amps
Maximum Motor Current Draw:	12 Volt Motor: 3.3 amps 24 Volt Motor: 1.6 amps

PRODUCT WARNINGS

⚠ WARNING: Charge all lines slowly to facilitate a controlled water pressure build-up during start-up. Open and close water supply 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: Ensure the Renegade is aimed in a direction that is safe, prior to flowing.

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: For use with fresh water or standard fire fighting foams only. Not recommended for use with salt water.

After use with foam or salt water, flush with fresh water.

⚠ CAUTION: For firefighting use only.

⚠ 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, push the toggle switch to either SS (straightstream) or fog.

DETERMINING FLOW

In determining flows or attempting to achieve specific flows with an automatic nozzle, it is important to understand that:

The STYLE 5088 Renegade Nozzle closely maintains 80 P.S.I. nozzle pressure over the nozzle’s operating range.

Consequently, you can use the following formula to determine given flows:

$EP = FL + NP$ (+loss or gain due to elevation)

EP=Engine Pressure

FL=Friction loss for plumbing and appliance loss at the desired GPM

NP=Nozzle Pressure

NOTE: Loss or gain due to elevation = approximately 1/2 P.S.I. per foot of height difference between the nozzle and the pump.

With the STYLE 5088 Renegade Nozzle, assign 80 P.S.I. nozzle (“NP”) pressure at all times.

The STYLE 2188 Renegade nozzle is a fixed orifice nozzle that can be configured for 1000, 2000, 3000,4000 or 5000 gpm at the factory.

The STYLE 2189 Renegade nozzle is an adjustable flow nozzle. The flow is selected by pushing the baffle inward and rotating it to the desired flow notch, then releasing the baffle to engage the flow notch onto the roll pin in the baffle stem. The flow selection can only be changed when not flowing water.

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.
- Over time the seals may need to be replaced. This can be accomplished by purchasing the appropriate Akron repair parts. Use Qualified maintenance mechanics or return the nozzle to Akron Brass for repair.



PHONE: 330.264.5678 or 800.228.1161 | FAX: 330.264.2944 or 800.531.7335 | akronbrass.com

REVISED: 10/12

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; damage; 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.

© Akron Brass Company, 2011 All rights reserved. No portion of this can be reproduced without the express written consent of Akron Brass Company.