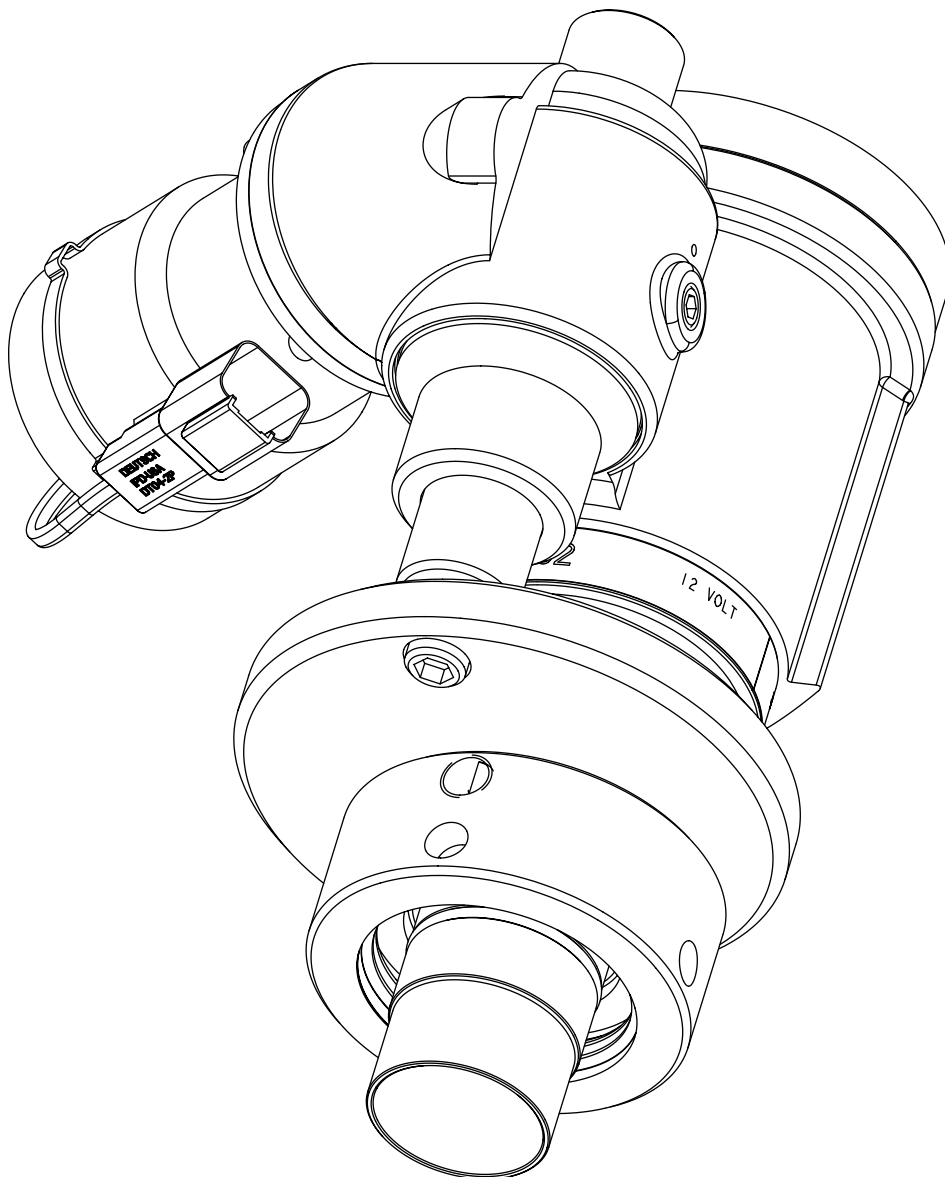




STYLE 3292 UHP NOZZLE 300 GPM OPERATING INSTRUCTIONS

The following is intended to provide the basic instructions for installation, operation, and maintenance. Read and understand these operating instructions before use.





- Read and follow the operating instructions before use.
- For firefighting use only.

Product Ratings

Mechanical Specifications:

Parameter	US Measure	Metric Measure
Flow Rate	300 GPM	1140 LPM
Pressure	1250 PSI	86 Bar
Mass	6.3 Lbs	2.9 kg

Electrical Specifications:

Parameter	12 Volt Motor	24 Volt Motor
Minimum Voltage at the Motor	10 Volts at 3 amps	20 Volts at 1.5 amps
Maximum Motor Operating Current	3 amps	1.5 amps

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.



- Pressurize nozzle slowly. Rapid pressurization will produce a sudden thrust and may cause water hammer. Have your monitor properly supported to control the reaction force created by the stream.



- 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).



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



- The nozzle is configured for optimum performance. Do not alter in any manner.
- Your nozzle should be inspected prior to 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 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.
- Do not use the nozzle as a forcible entry tool. Doing so may damage it or make it inoperable.
- If any tags or bands on the nozzle are worn or damaged and cannot be easily read, they should be replaced.
- For use with fresh water or standard firefighting foams only. Not recommended for use with salt water. After use with foam, flush with fresh water.



Nozzle Installation

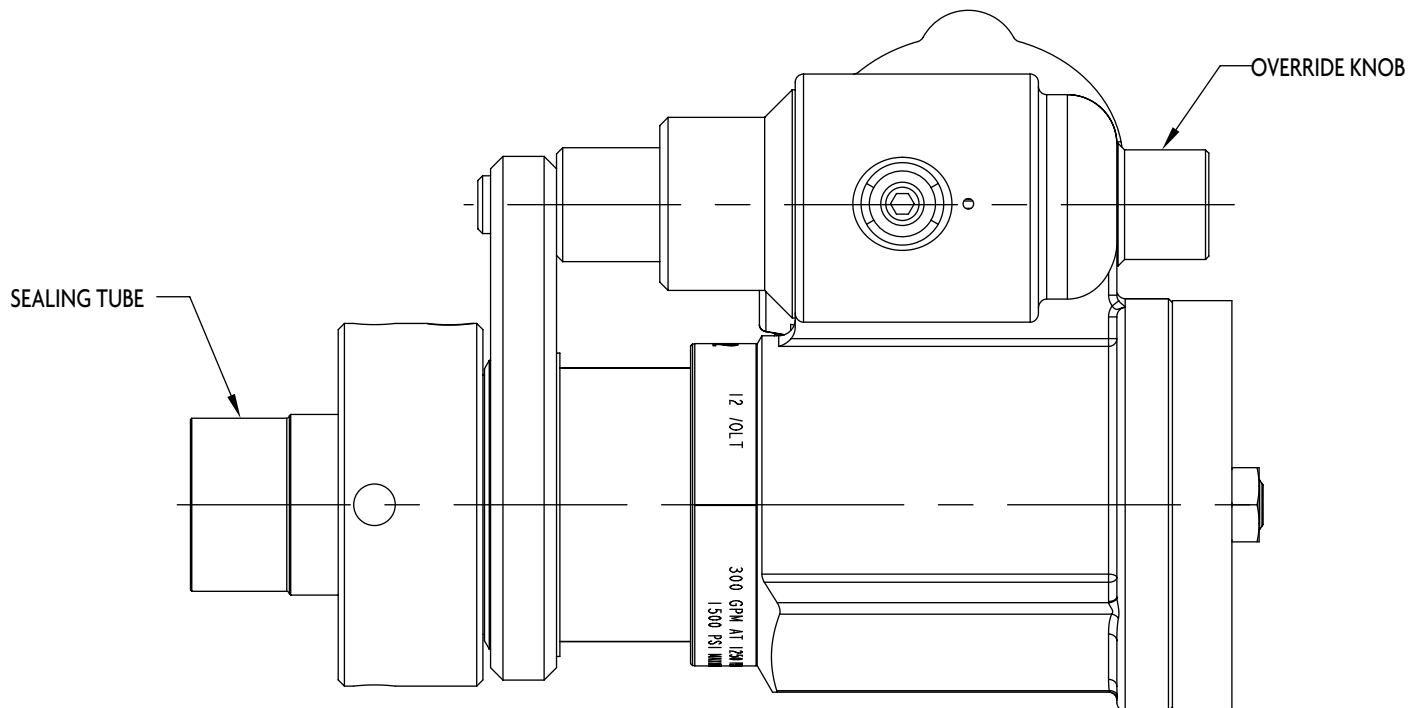
⚠ WARNING

- Ensure the thread on the nozzle swivel is matched to the thread on the monitor
- Use of an Armstrong 34-222 (or equivalent) “pin type” spanner wrench is recommended.
- Attach the nozzle to the monitor and tighten.
- The connector on the nozzle is a deutsch DTO4-2P-E003. Use an appropriate mating connector.
- The nozzle is designed for use in installations with clean water. It can pass debris up to 1/16” (1.6mm). This nozzle is not equipped with a flush feature.
- This nozzle is designed for use with a style 3450 UHP Bumper Turret or other Akron Monitors. If used on other products, the electrical control system must incorporate current limiting circuitry set for a maximum of 3 amps for 12 volts (1.5 amps for 24 volt applications). Without circuitry set, motor may become inoperable if stalled during operation.
- The nozzle incorporates a sealing tube (Figure 1) which inserts into the nozzle inlet as well as the monitor outlet. O-rings seal inside the nozzle and monitor effectively isolating the swivel gasket from high pressure. The seal tube must be installed with the nozzle when mounting to the outlet of the monitor.

Operating Instructions

- To change the spray angle, push the toggle switch to either the straight stream or fog position.
- To change the spray angle manually, use the following procedure:
 - ◊ Pull out on the knurled override knob (Figure 1) until you feel it stop (approximately ¼” (6.35mm))
 - ◊ Rotate the override knob clockwise for fog, counter clockwise for straight stream.
 - ◊ To place back into power assist mode, engage the motor by simultaneously pushing in and rotating the knob either direction. Continue doing this (up to one full turn) until the gear re-engages; this becomes apparent when the knob moves in approximately ¼” (6.35mm) and clicks into the detent.

Figure 1



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

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