

STYLE 1545 SABERMASTER 500 NOZZLE OPERATING AND MAINTENANCE INSTRUCTIONS

The following is intended to provide the basic instructions for the operation and maintenance of the SaberMaster 500 Nozzle. Read and understand these operating instructions before use.

PRODUCT RATINGS

Maximum Pressure: 200 psi (14 bar)

Rated Flow: Fog 350 gpm (1325 Lpm) at 80 psi (5.5 bar)

1 3/8" Smooth Bore - 500 gpm (1900 Lpm) at 80 psi (5.5 bar)

PRODUCT CAUTIONS

- ⚠ CAUTION: For use with water or standard fire fighting foams only. Flush with fresh water after using with foam.
- ⚠ CAUTION: Replace any tags or bands that are damaged or cannot easily be read.
- ⚠ CAUTION: The nozzle is configured for optimum performance. Do not alter in any manner.
- ⚠ CAUTION: Do not overtighten the nozzle onto an appliance connection.
- ⚠ CAUTION: Ensure that the nozzle is properly matched to the eductor or proportioning system.

PRODUCT WARNINGS

- ⚠ WARNING: Charge the unit slowly. Rapid charging may cause a pressure surge which has the potential to cause an injury, or damage the nozzle and associated equipment.
- ⚠ WARNING: Aim the unit in a safe direction before pumping water through it.
- ⚠ WARNING: DO NOT exceed the maximum pressure rating of the nozzle. Exceeding this has the potential to cause an injury or damage the nozzle.
- ⚠ WARNING: Ensure the thread on the nozzle swivel matches the thread on the monitor outlet. Mismatched threads may allow the nozzle to suddenly come off under pressure, possibly causing property damage and/or serious bodily injury.
- ⚠ WARNING: This nozzle can produce large reaction forces. The device the nozzle is mounted on must be strong enough to withstand these reaction forces.

OPERATING INSTRUCTIONS

The SaberMaster 500 has two operating positions - smooth bore and adjustable fog.

1. To operate in the smooth bore position, pull the handle back until it stops.
2. To operate in the fog position, push handle forward until it stops.
3. To adjust the fog stream rotate the pattern sleeve clockwise for narrow fog and counterclockwise for wide fog.

MAINTENANCE INSTRUCTIONS

Your SaberMaster 500 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 misused 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 nozzle.
- Dropping nozzle from a height where damage is incurred.
- Prolonged exposures to temperatures above +130° F; or below -25° F
- Operating in a corrosive environment
- Other misuse that might be unique to your specific fire fighting environment.

Also; 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 into service.

To clean; simply wipe off any dirt and grease from the turbine teeth and the contact surfaces on the turbine retaining ring and pattern sleeve (2). If other parts of the nozzle are disassembled; be sure that any O-Rings are lubricated with Parker O-Ring lubricant or equivalent before reassembly.

Periodically apply Low-Temp Lubriplate® to the cam groove in the nozzle body. To access the nozzle body (1) remove the detent nut from the side of the pattern sleeve (2) slide the pattern sleeve off the end of the nozzle body.

After applying the Low-Temp Lubriplate®, (1) slide the pattern sleeve onto the nozzle body until the detent nut hole is in line with the cam groove. (2) Apply a drop of Permabond LM113 or Loctite 222 to the detent nut thread and screw it into the pattern sleeve. Make sure the detent nut goes into the cam groove.



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