



## STYLE 1745, 1755 & 1757 TURBOMASTER™ NOZZLE OPERATING INSTRUCTIONS

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

### PRODUCT RATINGS

Maximum Pressure: 200 psi

Rated Pressure: 100 psi

### 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. Do not mount the nozzle in a portable hose holder.

### MAINTENANCE INSTRUCTIONS

Your Turbomaster 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. The four flow settings are based on 100 psi inlet pressure. Maximum operating pressure of 200 psi. Check the turbine teeth to be sure they turn freely before operating. The turbine teeth are easily removed for cleaning or replacement. Simply remove the three screws (9); remove the turbine retaining ring (1); and remove the turbine teeth (8). 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 Low-Temp Lubriplate® or equivalent before reassembly.



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