

CSW-LBF

Self-Educting Master Stream Foam Nozzle Operating & Maintenance Instructions



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To view the most current parts list or drawings please visit www.elkhartbrass.com

PRODUCT SAFETY INFORMATION

- All personnel who may be expected to use this equipment must be thoroughly trained in its safe and proper use.
- Before flowing water from this device, check that all personnel (fire service and civilian) are out of the stream path. Also, check to make sure stream direction will not cause avoidable property damage.
- Become thoroughly familiar with the hydraulic characteristics of this equipment and the pumping system used to supply it. To produce effective fire streams, operating personnel must be properly trained.
- Whenever possible, this equipment should be operated from a remote location. Do not needlessly expose personnel to dangerous fire conditions.
- The nozzle must be properly mated and tightened. Failure to do so could result in leaks or may cause injury or death.
- After each use, and on a scheduled basis, inspect equipment per instructions in the Maintenance Instructions section.
- Any modifications to the electrical enclosures will invalidate the NEMA 4 rating and void warranty coverage of the enclosure and all components within.

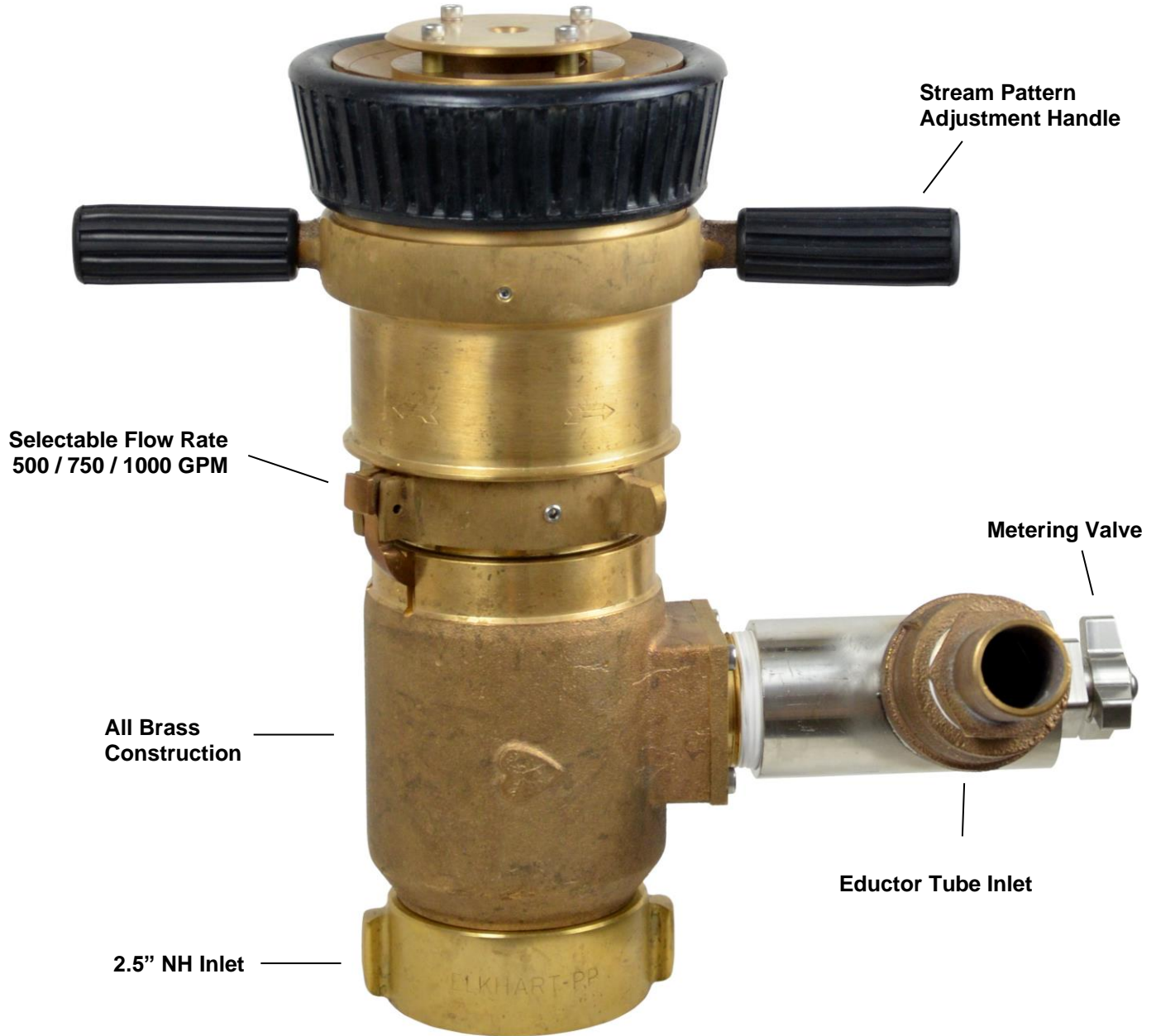


Important: Before installing and operating provided equipment, read this manual thoroughly. Proper installation is essential to safe operation.

SYSTEM INFORMATION:

SERIAL NUMBER: _____

NOTES:

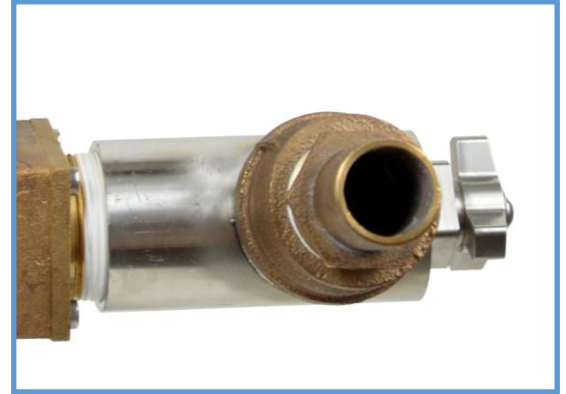


OPERATING INSTRUCTIONS

Proportioning Rate

The proportioning rate on the CSW-LBF can be adjusted while flowing water or with the water supply turned off.

- Adjust the metering device to the correct setting by turning the indicator knob so that the proper GPM setting is aligned with the inlet of the metering valve.
- The valve is sized to allow a 3% inductance rate at the noted flow rates.
- Verify that the indicator knob and selectable flow rate on the nozzle match, otherwise foam quality will be effected.



Flow Rate Adjustment

The flow rate and pattern on the CSW-LBF can be adjusted while flowing water or with the water supply turned off.

- The CSW-LBF has three selectable flow rates: 500 GPM, 750 GPM, and 1000 GPM.
- The flow rate is changed by depressing the flow rate selector and rotating the sleeve until the desired flow rate slot is reached.
- Releasing the selector pin in the appropriate slot will lock the selected flow rate.



Pattern Adjustment

- Pattern adjustment can be made by grasping the two hand grips.
- Turn clockwise for straight stream. Turn counter clockwise for fog.
- The full pattern adjustment requires approximately one complete rotation of the hand grips.



MAINTENANCE INSTRUCTIONS

Recommended After Each Use

- The nozzle should be flushed thoroughly after each use. This is accomplished by flowing the nozzle with a clean water source for both water and foam inlets. Ensure the nozzle is set to the largest proportioning rate during cleaning.
- After use, the nozzle should be stored with the nozzle tip pointed downward to allow water to drain from the assembly.
- On a monthly basis, operate the pattern control through a full range of motion from fog to straight stream. If required, apply a light coating of lithium grease to the nozzle body in the area where it contacts the pattern control sleeve. Periodically check that fittings are leak-free and replace gaskets and o-rings as required.

SYSTEM SPECIFICATIONS

CSW-LBF

- Flow Rating 500/750/1000 GPM (1893/2839/3785 LPM)
- Max Operating Pressure 100 PSI (6.9 BAR)
- Inlet Size Water : 2.5" NHT
Foam: 1.5" NPT
- Proportioning Rate 3% Fixed Eduction
- Weight 22 Lbs.



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