



LIFECO 40 - MASTER STREAM NOZZLES

LIFECO 40 - Master Stream Nozzles have been designed for wide flow range from 2650 to 3800 LPM (700 to 1000 US GPM) for use with Monitors.

These are fixed flow nozzles, simple and rugged with superior stream and reach. The water straight stream from maximum reach can be easily changed to wide fog pattern under flow condition by rotation of the pattern adjustment sleeve. The nozzle is provided with spinning teeth ring for jet to full fog pattern.

The nozzle is made out of hard coat anodised aluminium.

optional material as bronze is available.

The nozzle can be used as a non aspirating foam nozzle when used with premixed water foam solution. The performance data shown in this catalogue is effective stream trajectory in stand still air condition. The maximum overall reach of last water drop is approximately 10% more than the effective stream performance data given. The effective stream decreases by about 10% when used as foam nozzle with premixed water foam solution. The jet stream may get effected considerably with tail or head wind.

The debris trapped in the nozzle may effect the nozzle performance. To remove trapped debris, the water flow must be stopped and thereafter carefully unscrew and remove the nozzle deflector. Clean the nozzle and reassemble. While reassembling the nozzle or as a normal preventive maintenance, water proof lubricant must be used on seal and moving parts for smooth operation. The nozzle must be operated periodically under full flow jet as well as under fog pattern.

CAUTION

A trained personnel for fire fighting, with appropriate guidance & training must use the product to reduce the risk or injury. The nozzle must be fixed to the monitor carefully. The mismatched or damaged threads may cause leakage or uncouple the nozzle during operation.

Application of water or foam on an electric appliance can cause serious injury by electrocution, as water is a conductor of electricity.

The water supply to the nozzle must be gradual. Sudden surge of water supply must be avoided. The monitor mounting must be supported properly to support the nozzle reaction force.

MAINTENANCE:

The nozzle must be inspected regularly for possible damage or dirt around the moving parts. If any abnormal conditions observed such as poor discharge, excessive wear, water leak, corrosion effect, damage etc., then nozzle must be taken out of service and repaired by qualified technician.

Under normal condition water must be flown through the nozzle periodically and dirt from around exterior moving parts must be cleaned, allowing nozzle to operate properly.

The nozzle must be inspected prior to and after each use. Greasing the moving parts at 'O' ring is required periodically. Over a time the seals may need to be replaced.

The owner is responsible for maintenance of the nozzle in proper operating condition.

After use with foam, flush with fresh water.

TECHNICAL DATA :

NOZZLE FLOW RANGE	2650 to 3800 LPM (700 to 1000 US GPM)
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WATER INLET CONNECTION	Swivel female 3" BSP
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MATERIAL OF CONSTRUCTION	Hard Anodised Aluminium with SS internals (Optional-Bronze with SS internals)
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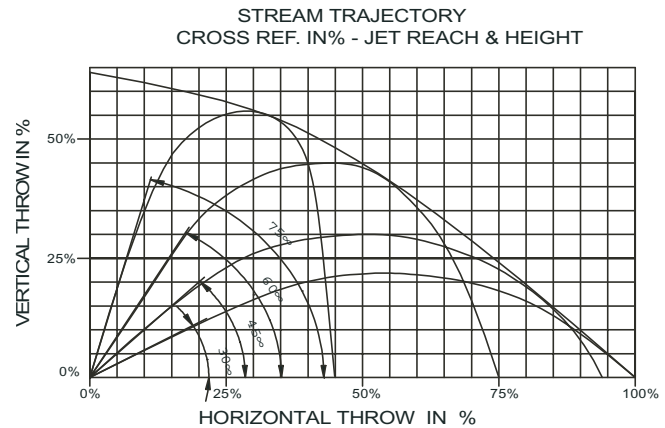
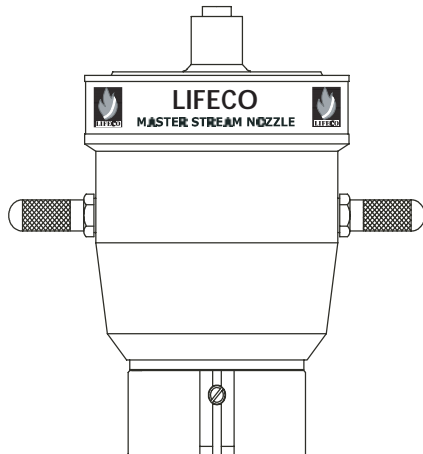
MAXIMUM WORKING PRESSURE	12.3 Kg. / sq. cm. (175 PSI)
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JET & FOG PATTERN	With Spinning teething
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WEIGHT	Aluminium material-5.00Kg. Bronze material -10.00Kg.
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PERFORMANCE DATA

SET FLOW RATE LPM (GPM)	NOZZLE PRESSURE KG/CM.SQ. (PSI)	ACTUAL FLOW RATE LPM (GPM)	STRAIGHT STREAM RANGE METERS (FEET)
2650 (700)	5.6 (80)	2370 (626)	58.5 (192)
	7.0 (100)	2650 (700)	65 (213)
	8.4 (120)	2900 (767)	67 (220)
2850 (750)	5.6 (80)	2550 (675)	61 (200)
	7.0 (100)	2850 (750)	68 (223)
	8.4 (120)	3120 (825)	70 (230)
3030 (800)	5.6 (80)	2710 (716)	62 (203)
	7.0 (100)	3030 (800)	69 (226)
	8.4 (120)	3320 (877)	71 (233)
3800 (1000)	5.6 (80)	3400 (900)	72 (236)
	7.0 (100)	3800 (1000)	80 (262)
	8.4 (120)	4160 (1100)	82 (269)

PERFORMANCE DATA FOR WATER STREAM RANGE ARE BASED AT 30 DEG. NOZZLE ELEVATION IN STILL AIR CONDITION AND WITH LIFECO MONITOR. WHEN USED WITH PREMIXED WATER FOAM SOLUTION THE FOAM REACH WILL DECREASE THE REACH BY APPROXIMATELY 10%.

LIMITED WARRANTY

Products are warranted against defects in material and workmanship for a period of Two (2) years from the date of shipment.

LIFECO's obligation under this warranty is limited to replace or repair the products or its parts, which are shown to lifeco's examination to be in a defective condition attributable to LIFECO. No warranty is given for products or components which have been subject, to misuse, improper installation, corrosion, wear and tear, improper storage, modification or repaired. If the defect attributable to LIFECO cannot be rectified by repair or replacement, then LIFECO may elect to refund the purchase price of the equipment in complete discharge of its obligation under this Limited Warranty. IN NO EVENT SHALL LIFECO BE LIABLE IN CONTRACT, STRICT LIABILITY OR ANY OTHER LEGAL THEORY, FOR INCIDENTAL, IN-DIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING DAMAGES, FOR INJURY TO PERSON OR DEATH OR DAMAGE TO PROPERTY AND OR PENALTIES RESULTING FROM ANY PRODUCTS OR COMPONENT SUPPLIED BY LIFECO. THIS IS LIMITED WARRANTY ONLY. LIFECO DISCLAIMS WITH RESPECT TO THE PRODUCTS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. THERE IS NO WARRANTY OF ANY NATURE MADE BY LIFECO BEYOND AS STATED ABOVE.

NOTICE :

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