MONITOR NOZZLE

Model LMAV-080BU

Self inducting nozzle for monitor



PRODUCT DESCRIPTION

The monitor nozzles model LMAV-BU can be used with either water or any type of foam solutions. It is simple and has a reliable design. Provides excellent nozzle range and easy of operation.

This solidly constructed industrial nozzle offers superior stream quality and reach. Nozzle discharge pattern is controlled by adjusting the stream pattern sleeve on the nozzle body It is suitable for use with water or foam solution.

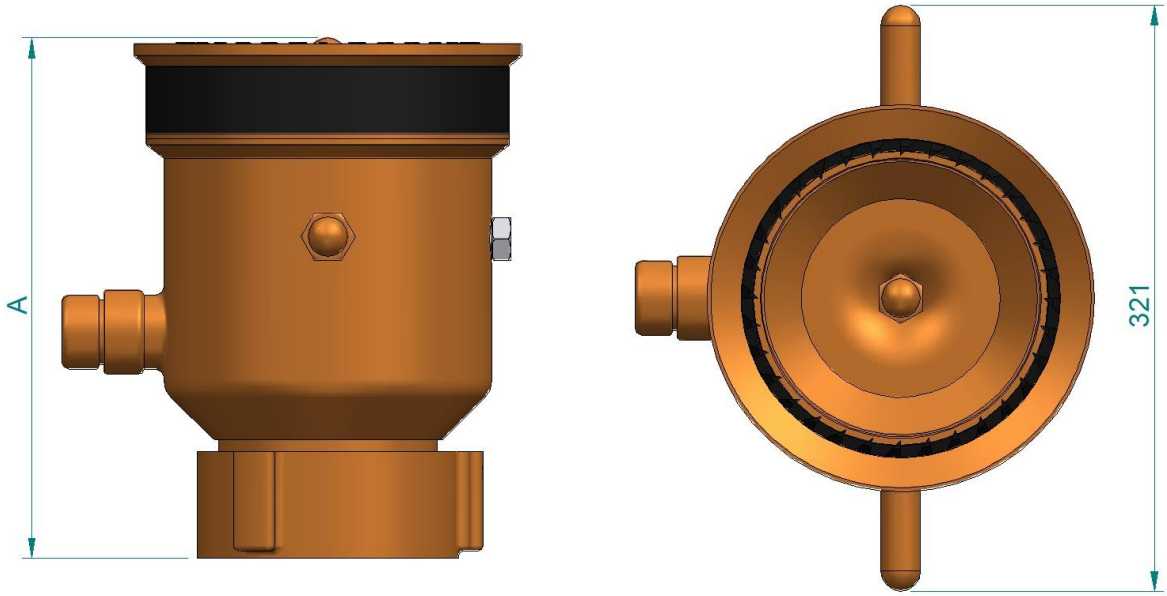
This nozzle is equipped with a foam concentrate inlet connection. It can deliver optimum performance with any foam concentrate. The jet stream can be affected by wind direction. Maximum reach on stream is achieved at approximately 30 degrees elevation. The jet stream can be affected by wind direction

TECHNICAL DATA

Models	LMAV-080BU-500 LMAV-080BU-750
Inlet Connection	Threaded female 3” BSP
Foam inlet concentrate connection	Threaded female 1 ¼” BSP
Pick up tube	3 metres long clear PVC with SS dip tube
Nozzle Flow Range	LMAV-080BU-500 – 1900 lpm (500 gpm) LMAV-080BU-750 – 2850 lpm (750 gpm)
Maximum operating pressure	14 bar (200 psi)
Nominal operating pressure	12 bar (175 psi)
Jet and spray angle	120 degree angle
Induction	3%
Material of construction	Bronze
Weight (Approx.)	13kg

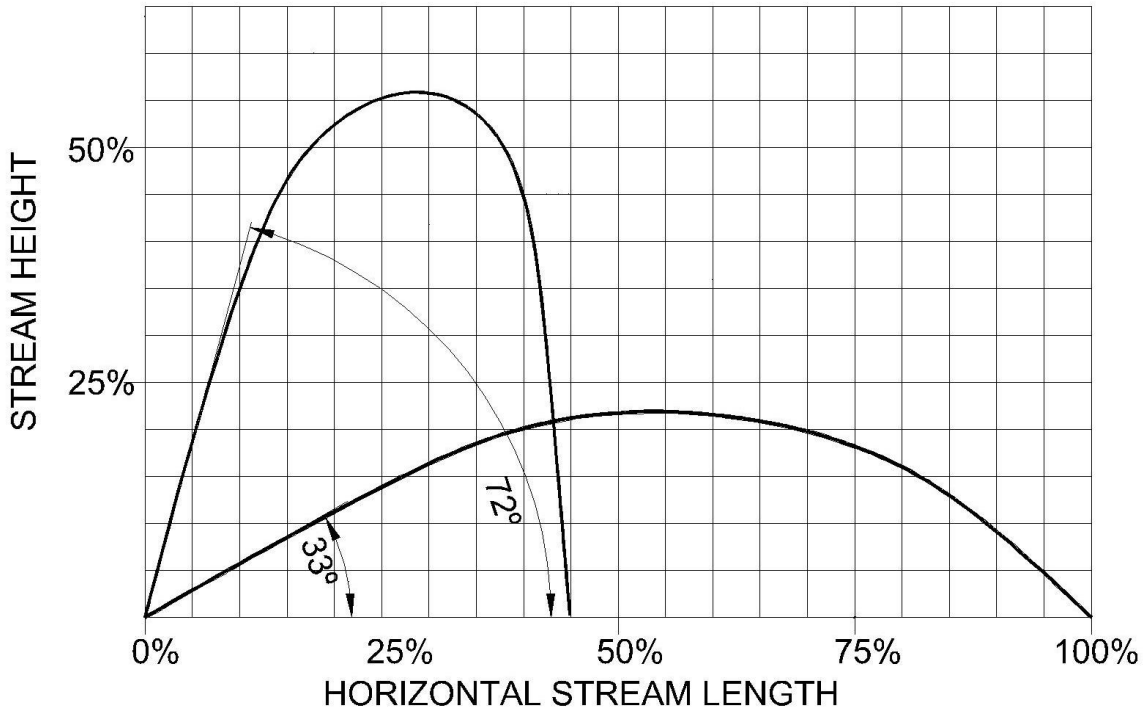
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DIMENSIONS



MODEL	A (mm)
LMAV-080BU-500	265
LMAV-080BU-750	274

FLOW TRAJECTORY



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PERFORMANCE DATA

SET FLOW RATE lpm (gpm)	NOZZLE PRESSURE kg/cm^2 (psi)	ACTUAL FLOW RATE lpm (gpm)	STRAIGHT STREAM FOAM RANGE meters (feet)
1880 (496)	5.6 (80) 7,0 (100) 8,4 (120)	1800 (475) 1900 (500) 2050 (541)	40 (131,2) 45 (147,6) 50 (164)
2825 (746)	5.6 (80) 7,0 (100) 8,4 (120)	2580 (681) 2850 (750) 3110 (821)	50 (164) 55 (180,4) 60 (196,8)

Some ranges based on exterpolation of existing data and observations. Data are based at 30 deg. Nozzle elevation in still air condition.
The reach is increased from 8% when used water.

TESTING AND MAINTENANCE

The nozzle must be installed, inspected and tested by a qualified and trained person. It is recommended to carry out physical inspection of the system regularly, at least once in a year or in accordance to standards of the organization having local jurisdiction. 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.

The debris trapped in the nozzle may affect 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.

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 and '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.

CAUTION

A trained personnel for fire fighting, with appropriate guidance and 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 under 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.

Maximum permissible suction lift is 2 meters.

ORDERING INFORMATION

FLOW RATE	CODE
1900 lpm	LMAV-080BU-500
2850 lpm	LMAV-080BU-750

Specify:

Model	
Quantity	

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  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Tanks
  - Proportioners
  - Foam Discharge Equipment
  - Foam Concentrates
- Deluge equipment for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
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  - Manual Monitors
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  - Monitor Nozzles
  - Towers and Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
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