

# Monitor Nozzles



Fire Engineering  
Pty Limited

## Foam Lord 80mm Nozzle Series 3

### Dual Purpose Fog Nozzles



#### Description

The nozzles in our Foam Lord range have a built in foam inductor which can be used to directly induct foam from a drum or tank, or can be used with our transfer proportioners to induct foam remotely from the nozzle (up to 60M away).

The FLD-50, FLD-65 and FLD-80 nozzles are able to induct foam at 1%, 3% or 6% while the FLD-100 and FLD-150 can induct foam at rates up to 3%.

The Foam Lord nozzles are designed as dual purpose nozzles; they can be used as standard fog nozzle or as a foam nozzle. The superior performance of the Foam Lord nozzles makes them very performance competitive with standard fog nozzles due to our proprietary nozzle design.

#### Specifications

Flow Range:	1,900 - 4,000 lpm
Operating Pressure Range:	600 - 1500 kPa
Inlet Connection	65mm BSP Female (std)
Proportioning Rates	1%, 3% or 6% (up to 3000 lpm)

### ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900 FAX (61) 2 8783 5400

Visit our Website [www.orion-fire.com.au](http://www.orion-fire.com.au) Email: [sales@orion-fire.com.au](mailto:sales@orion-fire.com.au)

## Materials of Construction

Nozzle components: Bronze  
Grease Nipple: 316 Stainless Steel

## Performance Data

### 2800 lpm Stem Flow Chart

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
600 kPa	2,590	41	36	19
700 kPa	2,800	42	42	21
800 kPa	2,995	45	45	24
900 kPa	3,175	48	47	26
1000 kPa	3,345	52	50	28

### 3,785 lpm (1,000 gpm) Stem Flow Chart

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
700 kPa	4000	41	34	16
800 kPa	4045	45	37	18
900 kPa	4290	50	40	20
1000 kPa	4520	55	43	21

## Options

Inlet Connection: 65mm BSP Male as Standard, 2.5" NHT optional.  
Flows: The Foam Lord Nozzle can be made to suit the customers' flow and pressure specification.  
Materials: Gunmetal (LG2) is standard, hard anodised aluminium is optional. Nickel plated LG2 is recommended for severe environments.  
Metering Valve: A metering valve with Off-3%-6% positions is available  
Foam Shut-Off Valve: A ball valve can be fitted to the foam concentrate connection to allow the operator to isolate the foam concentrate supply.

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