

Monitor Nozzles

Fog Nozzle Model 6100



FIRE ENGINEERING
Pty Limited

Description

The Model 6100 fog nozzle is a single flow fog nozzle that maintains essentially the same flow rate when adjusted from straight stream to wide fog. The nozzle is robust and reliable. Nozzles can be supplied with customised flow rates. The data below is for two of many flow options.

The NF6100 is a constant flow nozzle with a 65mm BSP female inlet.

Flow range: 600 lpm to 2,500 lpm (at 700 kPa)

Like all real fog nozzles, this nozzle has teeth so that it provides a full cone spray pattern for very effective cooling.



Specifications

Length: 156mm

Diameter: 100mm

Weight: 4.3 kg

Seawater applications we recommend using nickel plated gunmetal construction for the longest trouble free service life.

Materials of Construction

Bumper: Natural Rubber
Body: Gunmetal LG2 (Bronze)
Stem: Gunmetal LG2 (Bronze)

Alternative Construction

Hard anodised aluminium.
Electroless nickel plating for best marine service.
Custom flows are also available.

ORION FIRE ENGINEERING PTY LIMITED

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All nozzles are available in remote controlled versions as follows.

NF6100-RH Hydraulic
 NF6100-RE Electric - IP66
 NF6100-RE EX Electric - EXd Class 1 Zone 1

Performance Data

1350 lpm (350 USGPM) Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
600 kpa	1250	51	28	14
700 kpa	1350	54	29	16
800 kpa	1440	57	30	18
900 kpa	1530	58	31	19

1500 lpm Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
600 kpa	1250	51	28	14
700 kpa	1350	55	29	16
800 kpa	1440	58	30	18
900 kpa	1530	59	31	19

1900 lpm (500 USGPM) Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
450 kpa	1520	55	20	12
600 kpa	1760	59	28	14
700 kpa	1900	62	31	18
800 kpa	2030	64	32	20
900 kpa	2150	66	33	21

This data is for the furthest water drop in approximately still air conditions and with the nozzle mounted on a monitor aimed 25° above horizontal. This is the standard method of rating fog nozzles, however, even a slight cross or head wind will reduce the throw by about 5 meters and an allowance for this should be made when designing systems. Ideally, monitor systems should assume only 75% of the nozzle maximum rate throw to allow for the impact of wind.

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