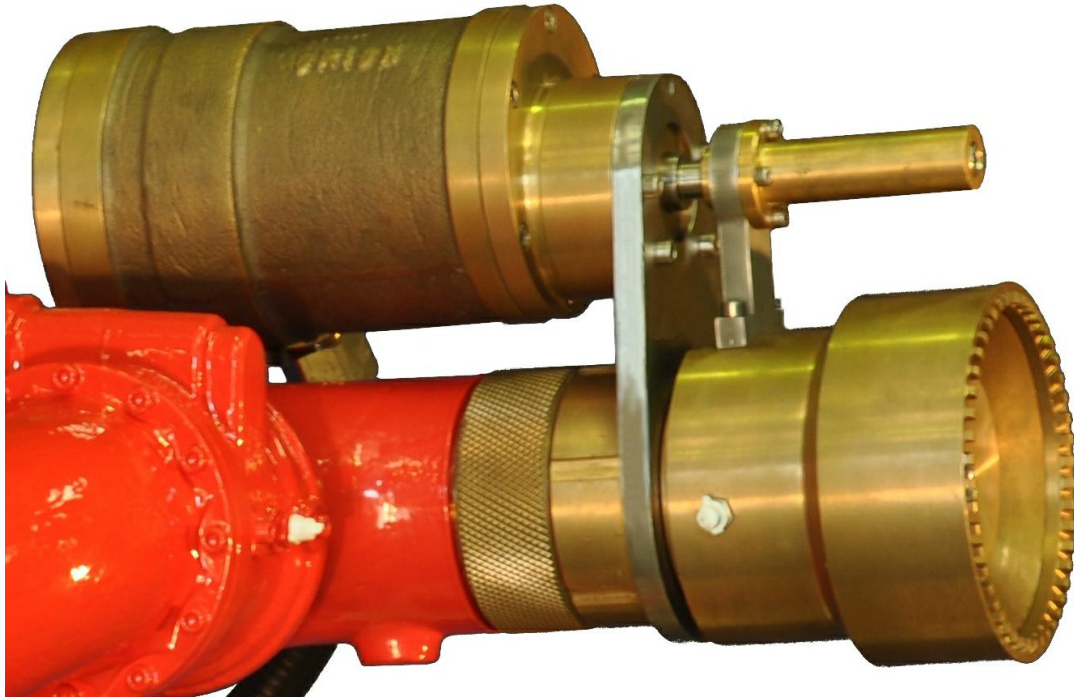


Monitor Nozzles

NF-8005RE-EX Remote Controlled Fog Nozzle



SAFETY INDUSTRIES
Pty Limited



Description

NF-8005RE-EX is a remote controlled fog nozzle made from cast bronze (LG2, C83600). The monitor is power by 24 VDC and the motor is housed in a brass/bronze enclosure. Hazardous area certification to IECEx for Class 1, Zone 1 areas, IP66.

Design Features

To ensure maximum nozzle availability for many years this nozzle incorporates some key design features:

- Grease nipple.
- Fully enclosed.
- All external parts are bronze, brass or stainless steel. No external aluminium or steel components are used, thus minimising any possible corrosion problems.
- Infinite position control between spray and jet - essential for good fire fighting.
- Full cone spray pattern.

There is a trend towards using "fog nozzles" that do not include teeth at the nozzle exit. For maximum nozzle cooling efficiency teeth are essential to achieving a solid cone spray pattern which is required for optimum water distribution. Without teeth a spray nozzle only produces a hollow cone spray pattern.

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Materials of Construction

Nozzle parts:	Bronze (LG2, C83600)
Motor bracket:	316 Stainless Steel
Motor housing:	Brass/Bronze
Grease Nipples:	316 Stainless Steel
Fasteners:	316 Stainless Steel

Operation

The nozzle motor enables the nozzle spray pattern to be set at any position between full jet and wide fog. It is generally controlled by a nozzle control switch on the control panel (generally a three (3) position toggle switch).

Specifications

Maximum Recommended Flow:	4,000 lpm @ 7 Barg
Weight (approx):	19 kg

Connections

Inlet: 65mm or 80mm BSP

Options

The nozzle is supplied as standard in LG2 (C8360) but is also available with an option nickel plating for superior life when using seawater.

These nozzles can also be manufactured in a range of alternative bronze alloys including nickel aluminium bronze.

Performance Data

4,000 lpm Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
500 kPa	3,381	53	29	13
600 kPa	3,703	57	32	15
700 kPa	4,000	65	34	16
800 kPa	4,276	70	37	18
900 kPa	4,536	73	40	20
1000 kPa	4,781	75	43	21

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3,785 lpm (1,000 gpm) Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
500 kPa	3275	53	29	13
600 kPa	3590	57	32	15
700 kPa	3785	65	34	16
800 kPa	4140	70	37	18
900 kPa	4390	73	40	20
1000 kPa	4630	75	43	21

3030 lpm (800 gpm) Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
500 kPa	2560	52	29	13
600 kPa	2803	55	32	15
700 kPa	3030	63	35	16
800 kPa	3235	68	38	18
900 kPa	3430	73	41	19
1000 kPa	3620	75	43	20

2800 lpm (750 gpm) Stem

		STRAIGHT STREAM	NARROW FOG	WIDE FOG
PRESSURE	FLOW (lpm)	THROW (M)	THROW (M)	THROW (M)
500 kPa	2390	49	29	13
600 kPa	2620	53	32	15
700 kPa	2830	58	35	16
800 kPa	3025	62	38	18
900 kPa	3210	65	41	19
1000 kPa	3385	68	43	20

The nozzle is available with flow rates down to 800 lpm.

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