



Standard Documentation

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Revision: 05	Document No.: DS-0013	Pages: 3
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Document Title: M-DY17 Pop-up Nozzle standard data sheet

1 GENERAL PRODUCT INFORMATION

Matre's DY17 pop-up nozzle is designed to ensure uniform & reliable firewater distribution on helicopter deck in an emergency situation. Compared to the DY16 nozzle, the DY17 is designed to meet the Norsok Safe Deck design.

Each nozzle will be spraying water in a semi-sphere covering up to seven (7) meters in diameters and six (6) meters height per nozzle. When firewater is activated, no personnel are needed to operate the system.

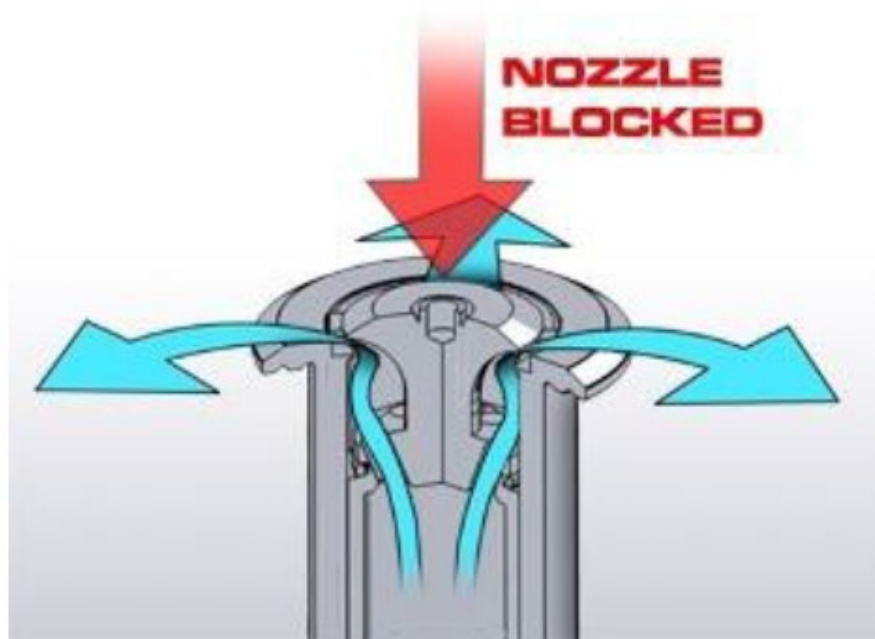


Figure 1; Blocked nozzle

Matre Pop-up nozzles shall be flush mounted into the aluminum helideck surface.

In case of blocked nozzle, the flow from the nozzle will remain the same as a popped-up one. As a result, our system will supply full water capacity on deck, even if one or more nozzles are blocked.

The Pop-up nozzle consist of two main parts. The pop-up nozzle cartridge and pop-up nozzle bulkhead.



Figure 2; Activated nozzle

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2 DIMENSIONS AND INTERFACES

Characteristics	Standard	Options
Material	AISI 316	BS 1400 AB2(CC333G); Titanium Gr2
Interface for water supply	1 1/4" BSPP Male	Union for welding to any applicable material
Design pressure	20 bar	
Water pressure range	4-6 bar	
Flow tolerance	Nominal value $\pm 5\%$	
Spread diameter	7 m	
Throw height	6 -7 m (dependent of k-factor)	
Deck thickness	100-130mm	120-200mm
Weight	0,6 kg	+ approx 2 kg for bulkhead + approx 1,2 kg for union

3 OBTAINABLE K-VALUES

35,4	37,2	39,3	41,4	43,9	46,1	48,4	50,6	53,1	55,4	58,2	60,8	63,5
66	68,8	71,3	74	77	79,8	82,5	85,4	88,3	91,6	95	98,4	104

4 GENERAL DIMENSIONS

