

**DELTA
FIRE**



DM600 FIRE NOZZLE

AUTOMATIC SLIDE VALVE MODEL

KEY USERS

- Fire & Rescue Services
- Defence
- Oil & Gas
- Marine
- Major Industrials
- Aviation
- Mining
- Nuclear

KEY FACTS

- Manufactured in the UK
- ISO9001 Quality Controlled
- Designed for use with Low Pressure Hoselines
- Automatic Pressure Control
- Full Flow Volume Control
- Stainless Steel Slide Valve
- 10 Year Manufacturer's Warranty



DM600 Nozzle

Doc Ref: DDS017

DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

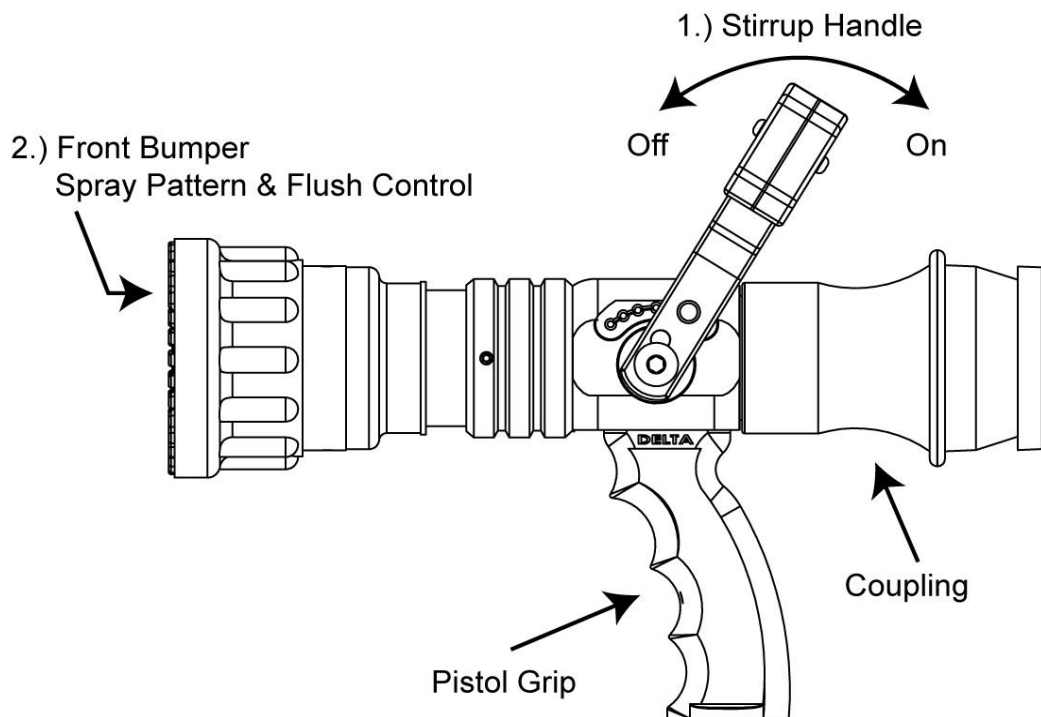
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GENERAL DESCRIPTION

The Delta DM600 combines smooth slide-valve automatic functionality with exceptional performance for a low-pressure mainline nozzle. With six easily selectable 'click' positions providing flows from 75 to 685 litres per minute at 7 bar the operator can achieve exacting flows tailored to meet the specific risk. An incredibly versatile nozzle, the DM600 is perfectly suited to a broad range of firefighting operations and provides the very best in durability and long-term value for money. Providing a combination of automatic pressure and flow control the DM600 is truly effortless to use operationally. The hydrostatically assisted stainless steel slide valve enables ease of open and shut-off making it the perfect choice for 'pulsing' techniques when cooling hot gasses. The DM600 stabilises varying pressures to give constant tip pressure maximizing water use without the need for constant adjustment. With long, penetrating, powerful jet performance the DM600 is supplied with fixed castellated teeth producing extremely dense fog patterns maximizing firefighter capability and enhancing personal protection. A popular choice where large volumes of water are required to deal with specific risks the DM600 is also perfect for cooling tank shells or buildings reducing the risk of fire-spread.

The Mid-Range is available with a wide choice of inlet adaptors to suit all International requirements.

DM600-65



The DM600 Nozzle has full water stream pattern control, from straight stream to wide spray/fog settings, fully adjustable by simple rotation of the front bumper. An additional 'flush' setting is available by counter-clockwise rotation of the bumper to enable the operator to clear debris that may have entered the nozzle inlet via the water stream.

The DM600 is also the most compact and lightest nozzle in its class making it easy to store in Appliance lockers and operationally easy to use. The ergonomically designed pistol grip and control handle are suited for use with firefighting gloves conforming to both the BSEN 659:2003+A1:2008 and BSEN 388:2003 Standards.



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The Delta DM600 nozzle boasts special features designed to maximise performance and ensure the highest possible level of safety for the operator. More than 25 years of ongoing research and development has culminated in a state-of-the-art multi-purpose nozzle highly regarded by industry professionals globally.



Automatic Pressure Control

Utilising a hydraulically assisted stainless steel slide valve the DM600 provides the user with smooth, ease of operation at high pressures without the need for constant adjustment caused by varying pressures. Ideally suited for use in compartment fire scenarios where 'flash-over' risk from igniting hot gasses is the main concern the DM600 can be rapidly 'pulsed' on and off with virtually no pressure surge or water-hammer effect.

Flow Volume Control

With the DM600 flow control is totally in the hands of the operator. The volume of water required at any moment can be changed instantly to meet changing fire conditions without any significant change in jet length or spray pattern performance. This versatility and ease of operation makes the DM600 the perfect choice for multi-purpose use across a wide range of firefighting scenarios.

Flush & Filter

All Delta nozzles are fitted with a dedicated 'flush' setting to enable the operator to easily dislodge and clear any debris that has entered the nozzle inlet as is common when using dry-riser systems in high-rise buildings. An optional stainless steel mesh filter is also available as a secondary precaution where requested preventing larger debris from entering the nozzles waterway.

Narrow Angle 'Click' Spray Setting

An audible 'click' position selector allows the operator to easily locate the narrow-angle spray setting in 'blind' active fire conditions such as a smoke filled compartment or in low-light conditions. The 'click' facility also ensures the nozzle holds in position during operation reducing the risk of accidental operator error. Precision engineering and quality controlled ISO9001 manufacturing ensures the DM600 will provide many years of trouble free service.

The Delta Automatic range is the culmination of state-of-the-art design and computer aided 3D flow engineering.



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THE RANGE

The DM600 is available in one 'multi-purpose' model boasting a wide range of flows between 50 and 700 litres per minute across an optimal operating pressure range of between 5 and 8 bar.

The DM600 is supplied as standard with a choice of either BSP (British) or NH (American) threaded inlets for compatibility of use with a wide range of International adaptors.



Product Code	NFB501006	NFB500141	NFB500142	NFB500002
Model	7 Bar NFPA Model Low Pressure	7 Bar NFPA Model Low Pressure	7 Bar NFPA Model Low Pressure	7 Bar NFPA Model Low Pressure
Main Body / Barrel	Hard Anodised Aluminium	Hard Anodised Aluminium	Hard Anodised Aluminium	Hard Anodised Aluminium
Front Bumper	Shockproof Polyurethane	Shockproof Polyurethane	Shockproof Polyurethane	Shockproof Polyurethane
Valve Type	Slide Valve	Slide Valve	Slide Valve	Slide Valve
Weight	2.5 KG	2.5 KG	2.5 KG	2.5 KG
Inlet Type	1½" (38mm) BSP Female	1½" (38mm) NH Female	2½" (38mm) NH Female	2 ½" Instantaneous Male
Maximum Use Pressure	40 Bar Factory Tested to 50 Bar	40 Bar Factory Tested to 50 Bar	40 Bar Factory Tested to 50 Bar	40 Bar Factory Tested to 50 Bar
Maximum Advised Working Pressure	Maximum 12 Bar	Maximum 12 Bar	Maximum 12 Bar	Maximum 12 Bar
Rec. Inlet Pressure	3 – 8 Bar	3 – 8 Bar	3 – 8 Bar	3 – 8 Bar
Minimum Operational Pressure	3 Bar*	3 Bar*	3 Bar*	3 Bar*

Optional NH (American) Threaded inlet

**Recommended Only – Nozzle will function down to 1 Bar*



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