

**DELTA  
FIRE**



H500 Mid-Range



# H500 MID-RANGE 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



H500 Mid-Range Nozzle

Doc Ref: DDS016

### DELTA FIRE

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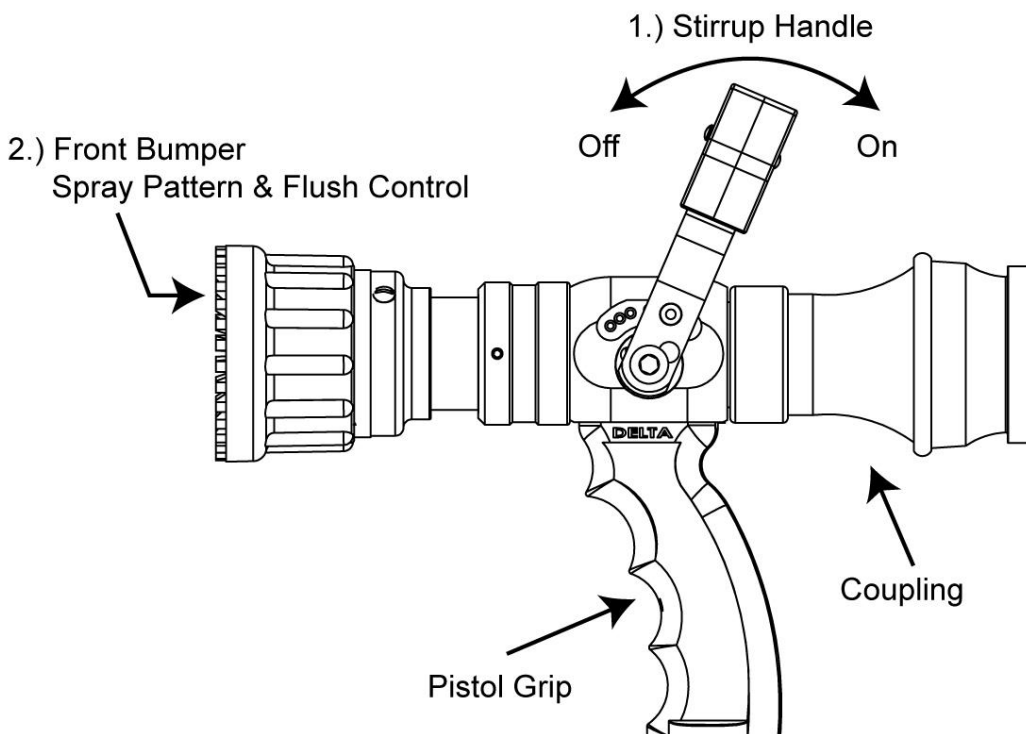
## GENERAL DESCRIPTION

The Delta H500 Mid-Range combines smooth slide-valve automatic functionality with exceptional performance for a low-pressure mainline nozzle. With six easily selectable 'click' positions providing flows from 40 to 450 litres per minute at 7 bar the operator can achieve exacting flows tailored to meet the specific risk. An incredibly versatile nozzle, the Mid-Range 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 Mid-range 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 Mid-Range stabilises varying pressures to give constant tip pressure maximizing water use without the need for constant adjustment.

With long, penetrating, powerful jet performance the Mid-Range is supplied with fixed castellated teeth producing extremely dense fog patterns maximizing firefighter capability and enhancing personal protection.

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

### H500-65



The Mid-Range 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 Mid-Range 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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## DESIGN FEATURES

The Delta H500 Mid-Range 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 Mid-Range 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 Mid-Range can be rapidly 'pulsed' on and off with virtually no pressure surge or water-hammer effect.



### Flow Volume Control

With the Mid-Range 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 Mid-Range 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 nozzle's 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 Mid-Range 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 Delta H500 Mid-Range 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. Pistol Grips & Control Handles are available in a range of colourways.



Product Code	NFB301006
Model	7 Bar NFPA Model Low Pressure
Main Body / Barrel	Hard Anodised Aluminium
Valve Type	Slide Valve
Front Bumper	Shockproof Polyurethane
Weight	1.6 KG
Inlet Type	1 ½" BSP Female
Maximum Use Pressure	16 bar
Maximum Advised Working Pressure	Maximum 12 Bar
Recommended Inlet Pressure	3 – 8 Bar
Minimum Operational Pressure	3 Bar*

*Optional NH (American) Threaded inlet*

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



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