



**DELTA  
FIRE**



# H500 HOSE REEL 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 High Pressure Hose Reel Use
- Automatic Pressure Control
- Full Flow Volume Control
- Stainless Steel Slide Valve
- Castellated Fixed Teeth
- 10 Year Manufacturer's Warranty



**H500 Trigger-Lock Nozzle**

Doc Ref: DDS013



### **DELTA FIRE**

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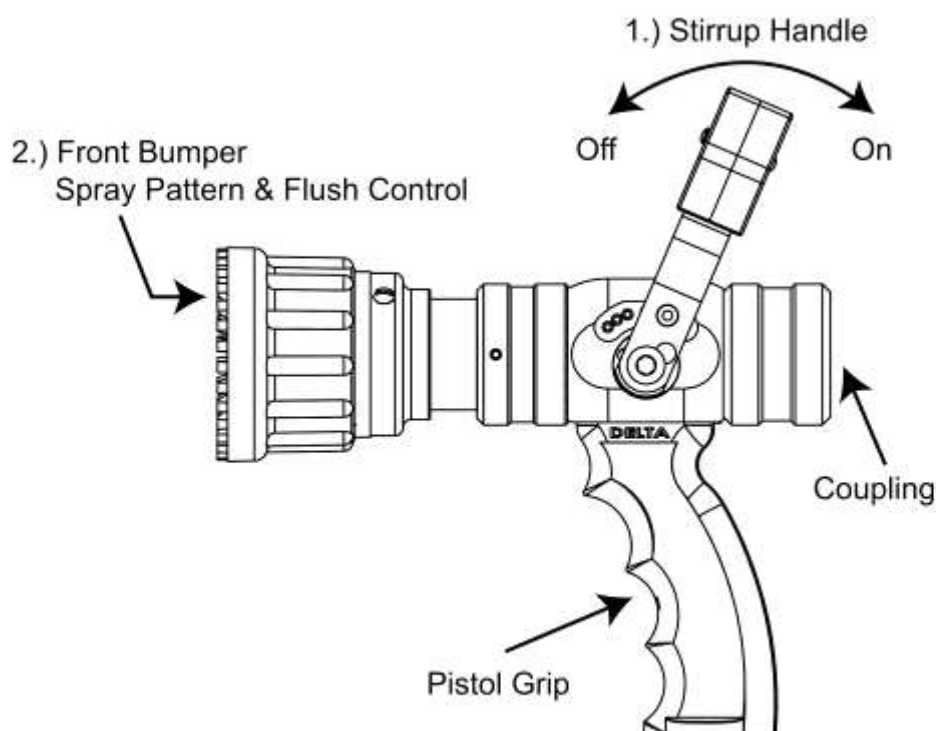


## GENERAL DESCRIPTION

The Delta H500 was one of the first nozzles manufactured by Delta more than 25 years ago and is still as relevant today as it was when it was first introduced. Providing a combination of automatic pressure and flow control the H500 is truly effortless when operating with high pressure hose reels. The hydrostatically assisted stainless steel slide valve enables ease of open and shut-off even at 40 bar pressures making it the perfect choice for 'pulsing' techniques when cooling hot gasses. The H500 stabilises varying pressures to give constant tip pressure maximizing water use without the need for constant adjustment.

Manufactured in the UK the H500 is designed to provide exceptional performance from within a compact, lightweight, incredibly durable frame. Combining quality materials and precision engineering ensures the very best in reliability, low maintenance and long-term value for money.

The H500 is an excellent multi-purpose nozzle suited for use across a wide range of firefighting scenarios and is still today the nozzle of choice for many professional Fire & Rescue Services. Fitted as standard with a BSP female threaded inlet the H500 is compatible for use with a wide range of International adaptors.



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



### Flow Volume Control

With the H500 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 H500 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 H500 will provide the user with 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 H500 is available in two models, the standard H500 and the H500 Trigger-Lock. The latter option enables the user to secure the nozzle in a fixed spray position by means of a discreet trigger positioned at the base of the front bumper. Both models are supplied as standard with a choice of either BSP (British) or NH (American) threaded inlets for compatibility to a wide range of International adaptors.



|                                  |                                    |                                    |
|----------------------------------|------------------------------------|------------------------------------|
| Product Code                     | NFB101004                          | NFB101004-TL                       |
| Model                            | 7 Bar NFPA Model High Pressure     | 7 Bar NFPA Model High Pressure     |
| Main Body/Barrel                 | Hard Anodised Alluminium           | Hard Anodised Alluminium           |
| Front Bumper                     | Shockproof Polyurethane            | Shockproof Polyurethane            |
| Weight                           | 1.3KG                              | 1.3KG                              |
| Inlet                            | 1" BSP Female                      | 1" BSP Female                      |
| Maximum Use Pressure             | 40 Bar<br>Factory Tested to 50 Bar | 40 Bar<br>Factory Tested to 50 Bar |
| Maximum Advised Working Pressure | Maximum<br>12 bar                  | Maximum<br>12 bar                  |
| Recommended Inlet Pressure       | 3 - 8 Bar                          | 3 – 8 Bar                          |
| Minimum Operating Pressure       | 3 Bar*                             | 3 Bar*                             |

*Alternative Flow Options are Available upon Request / Optional NH (American) Threaded inlet*

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



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