

**DELTA  
FIRE**



# ATTACK 750 HR PRO FIRE NOZZLE

## NFPA 7 BAR MODEL

### KEY USERS

- Fire & Rescue Services
- Defence
- Marine
- Major Industrials
- Aviation

### KEY FACTS

- Manufactured in the UK
- ISO9001 Quality Controlled
- Conforms to NFPA Standards
- Designed for High Rise Fire Fighting
- Stainless Steel Spinning Teeth
- Stainless Steel Profiled Ball Valve
- Laser-Etched Permanent markings
- 10 Year Manufacturer's Warranty



**Attack 750 HR Pro Series**

Doc Ref: DDS537

**DELTA FIRE**

Wendover Road, Rackheath Industrial Estate, Norwich, Norfolk, UK NR13 6LH  
T: +44 (0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk  
[deltafire.co.uk](http://deltafire.co.uk)

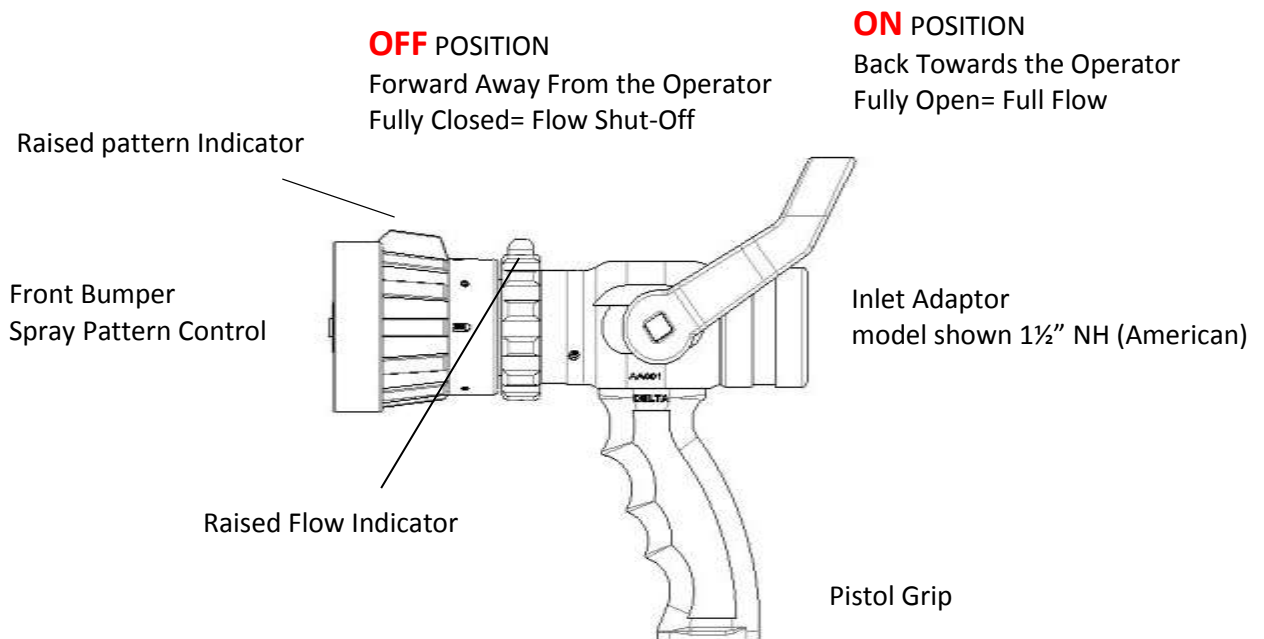


## GENERAL DESCRIPTION

Perhaps the most unique nozzle in the Pro Series range is the Attack 750 HR which has been designed in conjunction with Greater Manchester Fire & Rescue Service.

This specialist High Rise Nozzle is arguably one of Delta's best examples of technological enhancements in recent years. One of the main issues facing firefighters on upper floors of high rise buildings is diminishing inlet pressures which can seriously affect the nozzle performance at a critical time. The Attack 750 HR is a dual flow nozzle designed to provide 470 lpm at just 2½ bar pressure, ensuring that front-line firefighters have adequate water on upper floors when needed. A short rotation of the dial collar provides a secondary flow option of 270 lpm increasing the inlet pressure to ensure high performance in narrow angle spray gas cooling mode. Interest in the Attack Pro 750 HR from fire services has been significant and we're confident this product will become a staple in high-rise hose deployment packs in the future.

The Delta Attack 750 HR Pro 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.



The Delta Attack 750 HR Pro nozzles boast a host of 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 nozzle highly regarded by industry professionals globally.



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## DESIGN FEATURES



### Specialist Dual Flow Performance

The Attack 750 HR Pro nozzle is specifically designed for fighting high rise fires in tall buildings. The Dual Flow dial collar allows for easy transition between settings providing the operator with a low flow setting when inlet pressures have diminished on upper floor levels and a high flow setting for excellent gas cooling performance.



### Spinning Teeth

Computer designed stainless steel spinning turbine teeth chop the water up into finely divided, small diameter water droplets producing extremely dense fog patterns enhancing firefighting capabilities and significantly improving firefighter safety. Impervious to damage, even when dropped onto a hard surface, the stainless steel teeth provide considerable advantages over the more commonly used plastic teeth.



### Profiled Ball Valve

Using a specially profiled stainless steel ball valve designed to minimise 'jet-reaction', the Attack 750 HR Pro provides effortless flow control. Unlike plastic ball valves as used by most manufacturers the stainless steel Delta valve ensures long-term durability and enhanced performance.



### Raised Indicators

The Attack 750 HR Pro incorporates a tactile raised indicator on both the front bumper and dial collar to assist firefighters in selecting spray patterns and flow settings in low light levels where visibility is impaired by smoke. The indicators are easy to locate in a gloved hand and ensure the operative is fully in control at all times.



### On-Off Control Handle

The Pro-Series range incorporates an ergonomically designed flow control handle that is designed to allow enhanced clearance between the nozzle body handle in any operating position when using a gloved hand. Manufactured from high-impact materials the control handle will absorb impact when dropped or dragged and allows for smooth flow control in all operational situations.



### Flow Engineering

The Pro-Series incorporate the very latest in computer-aided flow engineering with enhanced design concepts that stabilise flow and performance where water pressures are low to maximise operational capability. High quality UK manufactured componentry precision made to rigorously controlled tolerances guarantee powerful jet function and coherent spray patterns.

### Permanent Markings

All markings on the Attack Pro-Series are laser etched providing a permanent reference to flow settings, spray patterns and on/off control settings. A unique serial number provides full traceability throughout the life of the nozzle and bespoke markings such as NATO stock numbers, tag numbers or customer-specific code numbers can be added upon request.



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## THE RANGE

The Attack 750 HR Pro is supplied with either British Instantaneous, BSP (British) or NH (American) threads to allow the user to fit any international inlet adaptor. Supplied in standard with black decals a range of alternative colourways are available on request.



Product Code	N23S70003	N23S70704
Model	7 Bar NFPA Low Pressure	7 Bar NFPA Low Pressure
Main Body / Barrel	Hard Anodised Aluminium	Hard Anodised Aluminium
Spinning Teeth	Stainless Steel	Stainless Steel
Profiled Ball Valve	Stainless Steel	Stainless Steel
Front Bumper	Shockproof Polyurethane	Shockproof Polyurethane
Weight	2.4 KG	2.4 KG
Inlet Type	2" BSP Male	2½" Instantaneous Male
Flow Range litres/min	Dual Flow 470 @ 2½ bar / 270 @ 7 bar	Dual Flow 470 @ 2½ bar / 270 @ 7 bar
Flow Range USG/min	Dual Flow 124 @ 2½ bar / 71 @ 7 bar	Dual Flow 124 @ 2½ bar / 71 @ 7 bar
Maximum Use Pressure	16 Bar Factory Tested to 22½ Bar	16 Bar Factory Tested to 22½ Bar
Maximum Advised Working Pressure	Maximum 12 Bar	Maximum 12 Bar
Recommended Inlet Pressure	3 – 8 Bar	3 – 8 Bar
Minimum Operational Pressure	2 1/2 Bar	2 1/2 Bar

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



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