

**DELTA
FIRE**



ATTACK 100 PRO FIRE NOZZLE

NFPA 7 BAR MODEL

KEY USERS

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

KEY FACTS

- Manufactured in the UK
- ISO9001 Quality Controlled
- Manufactured to NFPA 7 bar
- Designed for 19mm & 22mm High Pressure Hosereels
- Stainless Steel Spinning Teeth
- Stainless Steel Profiled Ball Valve
- Laser-Etched Permanent markings
- 10 Year Manufacturer's Warranty



Attack 100-Pro Series Nozzle

Doc Ref: DDS006

DELTA FIRE

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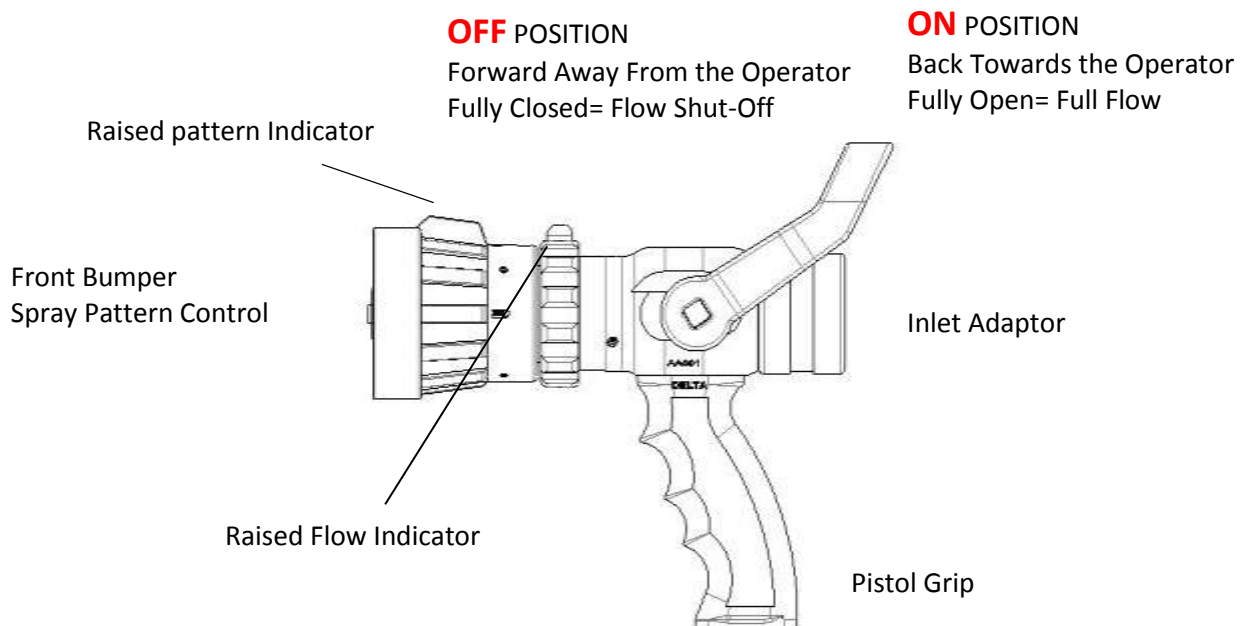
GENERAL DESCRIPTION

The Attack 100 Pro Series Fire Nozzle is designed for use with high pressure hoses providing exceptional performance and long-term value for money. Manufactured in the UK to exacting standards under an ISO9001 Quality Management System the Attack 100 Pro represents the very best in front-line professional firefighting nozzles. Subtle design enhancements and computer-aided flow engineering combined with high quality, corrosion resistant materials ensure a long service life with minimal maintenance.

Stainless steel spinning turbine teeth produce a dense, wide angle fog pattern with small diameter water droplets enhancing firefighting capabilities and significantly improving firefighter safety. A specially profiled stainless steel ball valve reduces jet reaction when using 'pulsing' techniques and enhanced hydraulic efficiencies produce a powerful, penetrating, long-range jet.

We believe this to be a 'Best in Class' nozzle, a view endorsed by the increasing number of devotees across leading Municipal and Industrial Fire Services around the globe including one of the world's largest Fire Authorities, London Fire Brigade.

With a range of flow options and colourways the Attack 100 Pro is suited for use with all International inlet fittings to ensure compatibility with existing equipment.



The Attack Pro Series range of fire nozzles has been the culmination of an extensive design and innovation process conducted in close collaboration with UK Fire & Rescue Services to ensure modern-day firefighting requirements are both met and exceeded at all times. Exhaustive trials and evaluations have been conducted over an extended timeframe in live fire scenarios culminating in a range of nozzles offering superior performance and exceptional durability in even the harshest of environments. Precision engineered componentry and the use of high quality materials provides the very best in reliability and enhanced firefighter safety.

The Attack 100 Pro is manufactured to NFPA 7 bar.

The Delta Attack 100 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.

DESIGN FEATURES

The Delta Attack 100 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 high pressure hosereel nozzle highly regarded by industry professionals globally.



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 100 Pro is ideal for 'pulsing' techniques when combatting flash-over risks in compartment fire scenarios. 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 100 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.



PTFE Top Hat

The Attack 100 Pro incorporates friction-resistant PTFE bearings on the control handle spindles to ensure wear is minimised during use. Test results on a repetitive action simulation unit carried out to replicate many thousands of operations of the control handle show that this innovative addition contributes to a significant reduction in wear, extending the service life of the nozzle and minimizing the need for maintenance.



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 100 Pro is available in a range of selectable or constant flow options to suit every firefighting scenario requiring high pressure hose reel nozzles. Designed for use with either 19mm or 22mm hose reels the Attack 100 is supplied with BSP (British) or NH (American) threads to allow the user to fit any international inlet adaptor. Supplied in standard with yellow decals a range of alternative colourways are available on request.



Product Code	N21S70101	N21S70201	N21S70401 (501 / 601 / 701)	N21S70202
Model	7 Bar NFPA High Pressure	7 Bar NFPA High Pressure	7 Bar NFPA High Pressure	7 Bar NFPA Low Pressure
Main Body / Barrel	Hard Anodised Aluminium	Hard Anodised Aluminium	Hard Anodised Aluminium	Hard Anodised Aluminium
Spinning Teeth	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Profiled Ball Valve	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Front Bumper	Shockproof Polyurethane	Shockproof Polyurethane	Shockproof Polyurethane	Shockproof Polyurethane
Weight	1.5 KG	1.5 KG	1.5 KG	1.5 KG
Inlet Type	1" (25mm) BSP Female	1" (25mm) BSP Female	1" (25mm) BSP Female	1 1/2" (38mm) BSP Female
Flow Range litres/min @7 bar	Select Flow 25-45-110-160	Select Flow 50-100-150-230	Constant Flow 50 or 100 or 150 or 230	Select Flow 50-100-150-230
Flow Range USG/min @ 7 bar	Select Flow 7-12-29-42	Select Flow 13-25-40-60	Constant Flow 13 or 25 or 40 or 60	Select Flow 13-25-40-60
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 16 Bar	Maximum 16 Bar	Maximum 16 Bar	Maximum 16 Bar
Recommended Inlet Pressure	5 – 8 Bar	5 – 8 Bar	5 – 8 Bar	5 – 8 Bar
Minimum Operational Pressure	3 Bar**	3 Bar**	3 Bar**	3 Bar**

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

**Maximum Pressure rating is dictated by the recommended maximum working pressure rating of the inlet adapter used.*

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



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