



*The New Force
in Firefighting*



G-Force

by: TASK FORCE TIPS 

G-Force Nozzles: The Inside Story

Based on a highly customizable global nozzle platform design, the unique G-Force series of fixed, selectable, and automatic nozzles combine over 40 years of Task Force Tips design innovation and experience into true next generation firefighting tools. Manufactured exclusively at TFT's USA production facilities, the G-Force series is supported by an extensive infrastructure of 24-hour technical service representatives, on-line documentation, digital video training library, exclusive product serialization and tracking capabilities, and a proven 5 year product warranty. Incorporating unique performance components such as a stainless steel slide valve, inlet debris screen and protective fog pattern choices, the G-Force series delivers high performance and rugged dependability.

Serialization provides track-ability and immediate access to on-line operational instructions

Integral Inlet Screen prevents debris from entering nozzle and affecting stream quality

Stainless Steel Slide Valve provides turbulence-free flow control when gated

Color-Coded Polymer Pistol Grip, Valve Handle and Covers offer rugged durability in harsh firefighting conditions

Your Choice of Fixed, Swiveling, Threaded, Storz or Articulating Inlet Couplings

Flush without nozzle shutdown or pattern adjustment





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For a complete list of
FM Approved models
visit newforce.tft.com.

**NFPA #1964
compliant**

Integral Tactile Indicator
provides optional preset pattern
selection or factory set lock out

Choice of:

- Fixed Metal
- Fixed Molded Rubber
- Spinning Stainless Steel (shown)

Choice of:

- Fixed Pressure and Flow
- Selectable Flow with Fixed Pressure, or
- 5 Automatic Pressure and Variable Flow Choices

Choice of:

- Tip Only
- Shutoff
- Shutoff with Grip Models

Bonded Rubber Bumper
provides maximum durability
in harsh conditions

Lightweight Hard Anodized
Aluminum Alloy Body includes
permanent laser engraved
operational markings and
highly visible reflective labeling

Large Index Ring with
Indicator allows easy flow,
pressure or flush selections
with a gloved hand



G-Force



G-Force High Performance Features

Tip Only, Shutoff and Shutoff with Grip Models

With hundreds of available models, the G-Force series offers two piece tip only and ball valve configurations, as well as one piece nozzles with an integrated slide valve. All models including two piece ball valve configurations can be ordered with a color coded pistol grip and valve handle cover.



Fixed Cut Metal, Molded Rubber, or Stainless Steel Spinning Teeth



All models may be ordered with your choice of diamond cut fixed metal, fixed molded rubber, or stainless steel spinning teeth. All fog teeth are designed to provide superior pattern performance and outstanding firefighter protection without bent, broken, or missing teeth. The bonded rubber bumper provides long term rugged dependability even in the harshest firefighting conditions.

Rugged Color Coded Valve Handle and Pistol Grip

Ergonomically shaped pistol grip, valve handle and covers made from supertough polymer for rugged dependability.

Eleven available colors allow for customization for pump discharge hoseline identification, for specific fire apparatus, specific stations or department.



Stainless Steel Slide Valve

Unique slide style valve and positive valve position detents in all one piece nozzles provides turbulence-free stream performance even when gating the nozzle.



Integral Debris Screen

Inlet screen prevents pattern destroying debris from entering the nozzle and becoming lodged. Items that pass through the screen are easily flushed out the front of the nozzle.

Flush without Pattern Adjustment or Nozzle Shut Off

Nozzles can be easily and effectively flushed of unwanted and pattern destroying debris that enters the nozzle without shutting down or changing pattern selection during hazardous firefighting conditions.



Reflective Labeling and Permanent Laser Markings

Reflective clear coated labeling provides a visually reflective image at night or in dark conditions. High contrast laser engraved operational controls are permanently marked for a lifetime of rugged service.

Index Ring

Large, easy to grip index ring provides both visual and tactile indication of operational flow, pressure, or flush choices.



Tactile Pattern Position Indicator



Integral tactile indicator provides optional preset pattern selection detent or pattern lock out. The quick change pattern adjustment allows straight stream to a wide protective fog pattern with one simple hand motion.

Model Serialization

Each nozzle is permanently marked with a unique serial number that aids in departmental asset tracking, manufacture date, model identification, and easily tracks service and warranty activities. Web enabled on-line serial number search also provides immediate access to all operational and service documentation.



Series	Inlet		Style		Pressure Control		Shaper Control		Fog Teeth	
G	A	1.0" BSP Female	1	Tip-Only (without shutoff valve)	A	Fixed 150gpm @ 100psi 570lpm @ 700kPa (7bar)	1	Fixed Tactile Indicator	F	Fixed Molded Rubber
	B	1.5" BSP Female	2	One Piece Nozzle with Slide Valve	B	Fixed 150gpm @ 75psi 570lpm @ 500kPa (5bar)	2	Tactile Indicator with Pattern Detent	S	Spinning Stainless Steel
	C	2.0" BSP Female	3	One Piece Nozzle with Slide Valve and Pistol Grip	C	Selectable 30/60/95/125/150gpm @ 100psi	3	Tactile Indicator with Lock Out	M	Fixed Cut Metal
	D	2.0" BSP Male			D	Selectable 30/60/95/125/150gpm @ 75psi	4	Factory Set Tactile Indicator		
	E	52 mm Storz			N	Selectable 110/230/360/470/570lpm @ 700kPa (7bar)				
	F	1.5" NH Female			P	Selectable 110/230/360/470/570lpm @ 500kPa (5bar)				
	H	2.5" BIC Male			Q	Selectable 100/200/300/400/500lpm @ 500kPa (5bar)				
	J	2.5" NH Female			E	Automatic 60-150gpm @ 100psi 230-570lpm @ 700kPa (7bar)				
	K	Articulated, 1.5" BSP Female			F	Automatic 60-150gpm @ 75psi 230-570lpm @ 500kPa (5bar)				
	L	Articulated, 2.0" BSP Male			H	Automatic 30-95 or 95-150gpm @ 100psi				
	M	Articulated, 2.5" BIC Male			J	Automatic 30-70, 70-110, or 110-150gpm @ 100psi				
	Q	2.5" BSP Female			L	Automatic 30-100 or 90-150gpm @ 75psi				
	R	2.5" BSP Male			M	Automatic 30-80, 60-110, or 110-150gpm @ 75psi				
	S	2.5" Chinese Snap Fit			S	Automatic 100-360 or 360-570lpm @ 700kPa (7bar)				
	T	1.5" NPSH Female			T	Automatic 100-270, 270-430, 270-430, or 430-570lpm @ 700kPa (7bar)				
	U	38 mm Storz			V	Automatic 100-390 or 390-570lpm @ 500kPa (5bar)				
		Consult factory for other coupling options.			W	Automatic 100-300, 240-420, or 420-570lpm @ 500kPa (5bar)				
					G	Automatic 60-150gpm, high flow selection @ 100psi				
					K	Automatic 60-150gpm, high flow selection @ 75psi				
					R	Automatic 250-570lpm, high flow selection @ 700kPa (7bar)				
					U	Automatic 240-570lpm, high flow selection @ 500kPa (5bar)				
					X	Auto 100-360 or 360-570lpm, high flow selection @ 700kPa (7bar)				

G-Force Model Ordering Matrix

From the chart shown here, select the inlet, style, pressure, shaper and fog teeth from each column to configure your nozzle and yield a part number.

Example:

A G-Force nozzle with a 2.5" BIC Male inlet, styled with valve and pistol grip, with a pressure control selection of automatic 60-150 gpm @ 100 psi, with a tactile indicator detent for shaper control, and fixed rubber fog teeth would yield a part number of: GH3E2F





G-Force Flow and Pressure Choices

Fixed Pressure and Flow

Optimal straight stream and fog pattern performance are achieved at a single rated flow and single rated pressure.

A	Fixed 150gpm @ 100psi 570lpm @ 700kPa (7bar)
B	Fixed 150gpm @ 75psi 570lpm @ 500kPa (5bar)



Selectable Flow with Fixed Pressure

Optimal straight stream and fog pattern performance are achieved at the selected flow and the single rated pressure.

C	Selectable 30/60/95/125/150gpm @ 100psi
D	Selectable 30/60/95/125/150gpm @ 75psi
N	Selectable 110/230/360/470/570lpm @ 700kPa (7bar)
P	Selectable 110/230/360/470/570lpm @ 500kPa (5bar)
Q	Selectable 100/200/300/400/500lpm @ 500kPa (5bar)



Automatic Pressure / Variable Flow

Optimal straight stream and fog pattern performance are achieved over the rated flow range at the rated pressure.

E	Automatic 60-150gpm @ 100psi 230-570lpm @ 700kPa (7bar)
F	Automatic 60-150gpm @ 75psi 230-570lpm @ 500kPa (5bar)



Automatic Pressure/Variable Flow with choice of Selectable High/Low or High/Medium/Low Flow Ranges

Optimal straight stream and fog pattern performance are achieved over the rated flow range at the rated pressure. User determined flow limiting selections allow automatic pressure regulation while restricting maximum flow.

H	Automatic 30-95 or 95-150gpm @ 100psi
J	Automatic 30-70, 70-110, or 110-150gpm @ 100psi
L	Automatic 30-100 or 90-150gpm @ 75psi
M	Automatic 30-80, 60-110, or 110-150gpm @ 75psi
S	Automatic 100-360 or 360-570lpm @ 700kPa (7bar)
T	Automatic 100-270, 270-430, 270-430, or 430-570lpm @ 700kPa (7bar)
V	Automatic 100-390 or 390-570lpm @ 500kPa (5bar)
W	Automatic 100-300, 240-420, or 420-570lpm @ 500kPa (5bar)



Automatic Pressure/Variable Flow with Fixed High Flow Selection

Optimal straight stream and fog pattern performance are achieved over the rated flow range at the rated pressure. A fixed high flow selection provides higher volumes at reduced operational pressures. Some models also offer user determined flow limiting selections allowing automatic pressure regulation while restricting maximum flow.

G	Automatic 60-150gpm, high flow selection @ 100psi
K	Automatic 60-150gpm, high flow selection @ 75psi
R	Automatic 250-570lpm, high flow selection @ 700kPa (7bar)
U	Automatic 240-570lpm, high flow selection @ 500kPa (5bar)
X	Auto 100-360 or 360-570lpm, high flow selection @ 700kPa (7bar)





G-Force Inlet, Shaper Control, Style



Inlets

All G-Force nozzles are available with your choice of inlet coupling. Whether you use male or female threaded, rigid, swiveling, Storz, articulating, or a quick connect style, TFT provides the necessary connection to meet your needs.

A	1.0" BSP Female
B	1.5" BSP Female
C	2.0" BSP Female
D	2.0" BSP Male
E	52 mm Storz
F	1.5" NH Female
H	2.5" BIC Male
J	2.5" NH Female
K	Articulated, 1.5" BSP Female
L	Articulated, 2.0" BSP Male
M	Articulated, 2.5" BIC Male
Q	2.5" BSP Female
R	2.5" BSP Male
S	2.5" Chinese Snap Fit
T	1.5" NPSH Female
U	38 mm Storz
	Consult factory for other coupling options.



Shaper Control – Tactile Pattern Position Indicator

A tactile indicator is integral in the design of each G-Force nozzle front pattern shaping bumper. The following tactile indicator options are available to meet individual operational performance criteria.

1 Fixed Tactile Indicator

Fixed Tactile Indicator

Indicates straight stream pattern selection.

2 Tactile Indicator with Pattern Detent

Tactile Indicator with Pattern Detent

Indicator incorporates a lock out setting at a defined and set pattern selection. Tactile and audible detent will be set to partial fog pattern, unless specified otherwise.

3 Tactile Indicator with Lock Out

Tactile Indicator with Lock Out

Indicator incorporates a lock setting that must be manually overridden by the operator to access other stream pattern choices. (Setting must be specified when ordered.)

4 Factory Set Tactile Indicator

Locked Tactile Indicator

Indicator is set to a user defined pattern selection and no other pattern choice can be made. (Setting must be specified when ordered.)

Style of Valve

Tip Only Nozzle with no Shutoff

Tip only nozzle with no shutoff, often used in combination with a separate ball style shutoff valve.



1 Tip-Only (without shutoff valve)

Nozzle with Integral Slide Valve Shutoff

Nozzle with integral slide valve provides turbulence-free flow control and five detent flow positions.



2 One Piece Nozzle with Slide Valve

Nozzle with Integral Slide Valve Shutoff and Pistol Grip

Nozzle with integral valve and pistol grip provides turbulence free flow control and five detent flow positions.



3 One Piece Nozzle with Slide Valve and Pistol Grip



FlipTip™ Tip Only

The Tip-Only Model is an ideal choice for an addition to any ball valve shutoff. Integrating your choice of two smoothbore combinations, the FlipTip quickly and positively allows the initial attack team a choice of flows as well as outstanding stream performance.



FTTFI32

- Lightweight and Compact Design
- Tips Easily Removed for Line Extension
- Multiple Smoothbore Choices Both Front and Rear

FlipTip™ with Integrated Ball Shutoff

Integrated with a high volume ball shutoff, the combination FlipTip provides a single nozzle that offers a choice of hard hitting straight streams. The detent style ball shutoff allows positive operator control and the rugged durability of polymer handles and pistol grip.



FTTF34I

- Optional Color Coded Pistol Grip and Valve Handle Covers at No Additional Charge
- High Volume Detent Valve for Maximum Performance
- Compact Integrated Design



Front Tip Orifice Choice

FlipTip's front component accepts one of 4 different orifice choices. Providing flows from 50 up to 200gpm, the tip can be easily removed allowing hose to be connected and extended. All tips have knurled swiveling couplings and a unique tapered waterway for maximum stream quality.

FlipTip™ Ordering Matrix

Turn the page to learn how to configure your FlipTip™.





FlipTip™ with Integrated Ball Shutoff and G-Force Nozzle

Integrated with a high volume ball shutoff and your choice of G-Force combination nozzle, the FlipTip provides a single nozzle that offers both a hard hitting smoothbore and high performance combination nozzle. The detent style ball shutoff allows positive operator control, choice of 100psi or low pressure 75psi operation, and stainless spinning, cut metal or bonded rubber fog teeth.



- Choice of Fixed, Selectable, or Automatic Tip
- Integrated Combination Nozzle and Smoothbore Base
- Choice of Operational Pressures and Fog Tooth Designs
- Optional Color Coded Pistol Grip and Valve Handle Covers at No Additional Charge

Stream Straightener

To provide maximum stream performance all FlipTip models integrate a lightweight stream straightener directly into the rear coupling system. For high rise operations, where debris can be an issue, or to maximize compressed air foam stream performance, the insert can be easily removed.



Rear Tip Orifice Choice

The rear component of the FlipTip accepts one of 5 different orifice sizes and provides water flows starting at 150gpm. All uniquely tapered tip inserts are designed to offer high performance water or compressed air foam streams, and are held securely in place during rugged initial attack operations.



Pivot Lock Mechanism

The FlipTip can be quickly and securely changed from small tip to large tip during firefighting operations using a positive twist lock mechanism that prevents unintentional movement. The locking ring is easily rotated with a wet or foamy gloved hand.



Model Ordering Matrix

Using the Matrix

FlipTip Tip Only and FlipTip with Integrated Ball Shutoff

From the small FTT Series chart (right), select the inlet, style, rear tip, and front tip from each column to configure your nozzle and yield a part number.



Series	Inlet		Style		Rear Tip		Front Tip	
FTT	F	1.5" NH Female	1	Tip Only	3	7/8 Inch	1	1/2 Inch
	T	1.5" NPSH Female	2	Valve	4	15/16 Inch	2	5/8 Inch
			3	Valve and Pistol Grip	5	1.0 Inch	4	15/16 Inch
					6	1 1/8 Inch	5	1 Inch
					7	1 3/8 Inch		

Series	Inlet		Style		Rear Tip		Pressure Control		Shaper Control		Fog Teeth	
FTG	A	1.0" BSP Female	2	One Piece Nozzle with Valve	3	7/8 Inch	A	Fixed 150gpm @ 100psi 570lpm @ 700kPa (7bar)	1	Fixed Tactile Indicator	F	Fixed Molded Rubber
	B	1.5" BSP Female	3	One Piece Nozzle with Valve and Pistol Grip	4	15/16 Inch	B	Fixed 150gpm @ 75psi 570lpm @ 500kPa (5bar)	2	Tactile Indicator with Pattern Detent	S	Spinning Stainless Steel
	C	2.0" BSP Female			5	1.0 Inch	C	Selectable 30/60/95/125/150gpm @ 100psi	3	Tactile Indicator with Lock Out	M	Fixed Cut Metal
	D	2.0" BSP Male			6	1 1/8 Inch	D	Selectable 30/60/95/125/150gpm @ 75psi	4	Factory Set Tactile Indicator		
	E	52 mm Storz			7	1 3/8 Inch	N	Selectable 110/230/360/470/570lpm @ 700kPa (7bar)				
	F	1.5" NH Female					P	Selectable 110/230/360/470/570lpm @ 500kPa (5bar)				
	H	2.5" BIC Male					Q	Selectable 100/200/300/400/500lpm @ 500kPa (5bar)				
	J	2.5" NH Female					E	Automatic 60-150gpm @ 100psi 230-570lpm @ 700kPa (7bar)				
	K	Articulated, 1.5" BSP Female					F	Automatic 60-150gpm @ 75psi 230-570lpm @ 500kPa (5bar)				
	L	Articulated, 2.0" BSP Male					H	Automatic 30-95 or 95-150gpm @ 100psi				
	M	Articulated, 2.5" BIC Male					J	Automatic 30-70, 70-110, or 110-150gpm @ 100psi				
	Q	2.5" BSP Female					L	Automatic 30-100 or 90-150gpm @ 75psi				
	R	2.5" BSP Male					M	Automatic 30-80, 60-110, or 110-150gpm @ 75psi				
	S	2.5" Chinese Snap Fit					S	Automatic 100-360 or 360-570lpm @ 700kPa (7bar)				
	T	1.5" NPSH Female					T	Automatic 100-270, 270-430, 270-430, or 430-570lpm @ 700kPa (7bar)				
	U	38 mm Storz					V	Automatic 100-390 or 390-570lpm @ 500kPa (5bar)				
		Consult factory for other coupling options.					W	Automatic 100-300, 240-420, or 420-570lpm @ 500kPa (5bar)				
							G	Automatic 60-150gpm, high flow selection @ 100psi				
							K	Automatic 60-150gpm, high flow selection @ 75psi				
							R	Automatic 250-570lpm, high flow selection @ 700kPa (7bar)				
							U	Automatic 240-570lpm, high flow selection @ 500kPa (5bar)				
							X	Auto 100-360 or 360-570lpm, high flow selection @ 700kPa (7bar)				

Using the Matrix

FlipTip with Integrated Ball Shutoff and G-Force Nozzle

From the large FTG Series chart, select the inlet, style, rear tip, pressure, shaper and fog teeth from each column to configure your nozzle and yield a part number.





BlitzForce

PORTABLE MONITOR

BlitzForce Lightweight Portable Attack Monitor

The BlitzForce is one of Task Force Tips' innovative, lightweight, and highly versatile portable attack monitors. Rated up to 500gpm, BlitzForce integrates a low loss waterway with positive locking valve control, and a corrosion preventing anodized and powder coat finish. An exclusive high strength tie-down strap and carbide tipped folding legs offer extreme stability in varying fire environments. With an integral stream shaper for superior reach and penetration performance, the BlitzForce delivers a 20 degree side to side (40 degree total) and a 20 degree to 60 degree up and down range of stream motion. A five year warranty, stainless steel apparatus mounting bracket, and your choice of combination nozzle or stacked tips are standard.

Small, Lightweight and Compact Design

Weighing just 14.5 lbs., the BlitzForce stores securely for a rapid deployment in a space of only 19" x 9" x 12", and a ground hugging 26" wide when deployed for initial attack.

High Flow, Low Loss Waterway

Full flow 2" waterway provides 500gpm initial attack flows with only 9psi loss. A removable internal stream straightener is standard, and the valve design provides positive locking in the closed position.

Optional Oscillation

The BlitzForce OSC monitor features a water driven turbine that when engaged, allows the nozzle to automatically sweep 10, 15, or 20 degrees either side of center. The simple to use oscillating mechanism can be disengaged allowing manual horizontal rotation.

High Performance Fire Streams Flexibility

With horizontal rotation of 20 degrees either side of center, and an elevation range 30 to 60 degrees in unmanned mode, or a low 20 degree angle when manned, the BlitzForce provides amazing operational versatility. Each monitor package comes with a choice of a fixed gallonage 500gpm @ 100psi combination nozzle, or triple stacked tips (1", 1 1/4", and 1 1/2") with laser engraved flow charts.

Rugged Durability

Each monitor is produced from hard coat anodized aluminum alloy, stainless steel, and is powder coated for maximum corrosion and abrasion resistance.

Permanent laser engraved operational instructions, reflective labeling, unique product serialization, and a stainless apparatus mounting bracket are all standard.



XXLC-33 Package

BlitzForce Ordering Matrix

Ground Monitor	Nozzle Type	Bracket	Combination Package Number
XXL111A BlitzForce Portable Monitor with Ball Valve	ZN12A Fixed Gallonage 500gpm @ 100psi	XXL-B Stainless Steel Storage Bracket	XXLG-32 BlitzForce Portable Monitor, ZN Combination Nozzle, Storage Bracket
	MST-3NJ 3 Stacked Tips: 1.5", 1.25" and 1"		XXLG-42 BlitzForce Portable Monitor, Stacked Tips, Storage Bracket
XXL211A BlitzForce Oscillating Portable Monitor with Ball Valve	ZN12A Fixed Gallonage 500gpm @ 100psi		XXLC-33 BlitzForce Oscillating Portable Monitor, ZN Combination Nozzle, Storage Bracket
	MST-3NJ 3 Stacked Tips: 1.5", 1.25" and 1"		XXLC-43 BlitzForce Oscillating Portable Monitor, Stacked Tips, Storage Bracket



G-Force Foam Attachments



Low and Multi-Expansion foam attachments are designed specifically to enhance foam application performance through the G-Force Series of fixed, selectable gallonage, and automatic nozzles.

Both attachments are easily added or removed using a simple clamping mechanism that attaches to the nozzle's front bumper. Produced from lightweight polymers, both the low expansion and multi-expansion attachments are ideally suited for Class A and flammable liquid applications. The multi-expansion attachment offers the



FOAMJET

G-Force foam attachments are compatible with the following foam concentrates;
Protein (P)
Fluoroprotein (FP)
Film Forming Fluoroprotein (FFFP)
Alcohol Resistant Fluoroprotein (AR-FP)
Alcohol Resistant Film Forming Fluoroprotein (AR-FFFP)
Aqueous Film Forming Foam (AFFF)
Alcohol Resistant Film Forming Foam (AR-AFFF)
Class A

highest foam expansion and finished foam performance with alcohol resistant foam concentrates (synthetics). The low expansion attachment is ideal for protein and fluoroprotein concentrates.

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