



**TASK FORCE TIPS®**

**FIRE FIGHTING EQUIPMENT**

**INDUSTRIAL  
PRODUCTS  
OVERVIEW**





# TABLE OF CONTENTS

Monitors – Apparatus, Trailer and Station .....	4
Ultimate Industrial System .....	6
Hydrant Solutions .....	7
Transportable and Portable Monitors .....	8
Distribution Valves and Water Supply .....	10
Foam Application and Decontamination .....	12
Handheld Nozzles .....	14
Service and Support .....	14
Adapters Wrenches and Tools .....	16



# TASK FORCE TIPS

## INNOVATIVE FIREFIGHTING SOLUTIONS FOR INDUSTRY

Task Force Tips (TFT) designs and manufactures thousands of water and foam flow products to help firefighters risk less to do more. By combining extensive engineering, precise manufacturing and superior customer support, TFT customers around the globe are better able to save lives and property. TFT products include nozzles, monitors, valves, foam equipment, apparatus water flow hardware, and a wide range of foam and water appliance solutions for municipal, wildland and industrial fire protection.



TFT's origins can be traced back to industrial firefighting. In 1955, volunteer firefighter Clyde McMillan was using a smooth bore nozzle to fight a fire at an oil company refinery. While he was battling the blaze, three million gallons of naphtha exploded. Since Clyde's smooth-bore nozzle did not have a spray pattern to protect him, he was forced to run for his life. He suffered third-degree burns, but was able to recover from his injuries. In 1957, he created the Fire Task Force, a civil defense fire department that provided backup to the Gary (Indiana) Fire Department. However, at every turn, Clyde and his firefighters were confronted with a lack of reliable water flow as well as a lack of various sizes of fog nozzles to adjust for varying flows, something that other fire departments had historically accomplished by using different sizes of smooth bore nozzles. Chief McMillan knew that a constant pressure was needed in order to have a proper water flow. Then in May of 1968, Clyde drew out his idea for an automatic fog nozzle on a white paper napkin. In 1971 he founded Fire Task Force Innovations (known today as Task Force Tips Inc. or TFT) in the McMillan family basement in Hobart, Indiana.

Since those early days five decades ago, TFT continues to deliver innovative firefighting solutions for industry. By working closely with industrial customers from around the globe, TFT has introduced dozens of products created specifically to address the special needs of industry. Examples include the Hydrant Under Monitor (H.U.M.) that adds two configurable ports to a dual slow-close valve design that can simultaneously or independently control the monitor and nozzle, or LDH ports. As well as the Hemisphere "transportable" monitor that offers a full 360 degree field of attack and can easily attach to beams, railings, tank lips, concrete barriers or trailer hitches.

**HYDRANT UNDER MONITOR™**  
(H.U.M.) Pg. 07



**HEMISPHERE®**  
Pg. 09



# MONITORS—APPARATUS, LOWEST FRICTION LOSS FOR

## TSUNAMI™ *Better Flow and Reach*

The Tsunami is TFT's largest and highest volume monitor offering up to 8,000 gpm (30,000 l/min) flows in manual or RC versions. Only 15 psi (1.0 bar) friction loss at 8,000 gpm (30,000 l/min)!



## VORTEX® 6

Use with stacked tips for a straight stream or a fully filled, long reaching dispersed pattern with no loss of water flow volume.



Vortex 6, 3-D Illustration for additional detail

## MASTER STREAM 4000 ER

High flows and longer reach with the Tsunami. Available in an automatic or selectable version.



## VORTEX® 2.5 *Manual or ER*

Match with stacked tips for a straight stream and dispersed pattern or choose from dozens of other Master Stream nozzle options.

## MONSOON®

*Dozens of configurations for pumpers, ladders, platforms and fixed system installations*

Available in a manual or electrically controlled model in two versions: up to 1,250 gpm (4,750 l/min) or up to 2,000 gpm (7,600 l/min). With a unique patented segmented waterway, the water makes very few turns as it travels through the monitor resulting in less than 15 psi (1.0 bar) friction loss and a far-reaching effective stream.



# TRAILER, AND STATION

## MAXIMUM FLOW AND REACH



TORNADO



HURRICANE



TYPHOON



PROTECTOR

### TORNADO®

100-500 GPM (400-2,000 L/MIN)

- Manual or RC
- 370° horizontal rotation
- Handheld (Bluetooth or Wireless) Controllers or Joystick
- Multiple Nozzle Options
- LT Low Profile Version Available

### HURRICANE™

500-1,250 GPM (2,000-4,750 L/MIN)

- Manual or RC
- 450° horizontal rotation
- Handheld (Bluetooth or Wireless) Controllers
- Multiple Nozzle Options
- Apparatus and Fixed Station Styles

### TYPHOON™

1,000-1,500 GPM (3,785-6,000 L/MIN)

- Manual or RC
- 450° horizontal rotation
- Handheld (Bluetooth or Wireless) Controllers
- Multiple Nozzle Options
- Apparatus and Fixed Station Styles

### PROTECTOR™

500-1,250 GPM (2,000-4,750 L/MIN)

- Manual
- 360° horizontal rotation
- Optional Built In On/Off Valve
- Multiple Nozzle Options
- Fixed Station Styles



## MONITOR NOZZLES

### MASTER STREAM

- Fixed, Selectable, Automatic
- Flush debris without shutting down
- User adjustable nozzle pressure control

### MASTER FOAM™

- Self educating foam nozzles
- 250 – 2,000 gpm (950 - 7,600 l/min)
- Fixed flow nozzles
- Includes orifice plates to change the foam concentrate education percentage



## ATEX MONITORS

TFT ATEX RC Monitors are designed, tested and approved for use in Classified Hazardous Locations as defined by European Directive 94/9/EC, commonly referred to as the ATEX Directive. Further classification identifies that Zone 2, Category 3 environments are suitable locations for this equipment. It is important to note that only the RC Monitor and Nozzle are certified for installation in the hazardous area. TFT RC Monitor Operator Stations may be used to control monitor functions, but must be installed outside of the hazardous area according to application requirements. It is the responsibility of the facility design engineer to determine suitable location and connection of components for use in the hazardous environment based on electrical, mechanical, hydraulic, and hazardous location classification requirements.

# ULTIMATE INDUSTRIAL SYSTEM

## HYDRANT, VALVES, MONITOR AND TRUCK CONNECTION ALL IN ONE

The Ultimate Industrial System combines multiple solutions to provide an all-in-one hydrant, valves, monitor and truck connection. The above ground hydrant is easy to access and service if needed and can be used as a traditional ground hydrant monitor or boost the pressure and flows by adding lines from an apparatus. Foam can even be added to the system from the truck, eliminating the need to store and transport foam totes.

### 1 HIGH PERFORMANCE NOZZLES

A wide range of water and foam applications with patterns from straight stream to wide fog. See page 4-5 for details.

### 2 FLOW EFFICIENT MONITOR

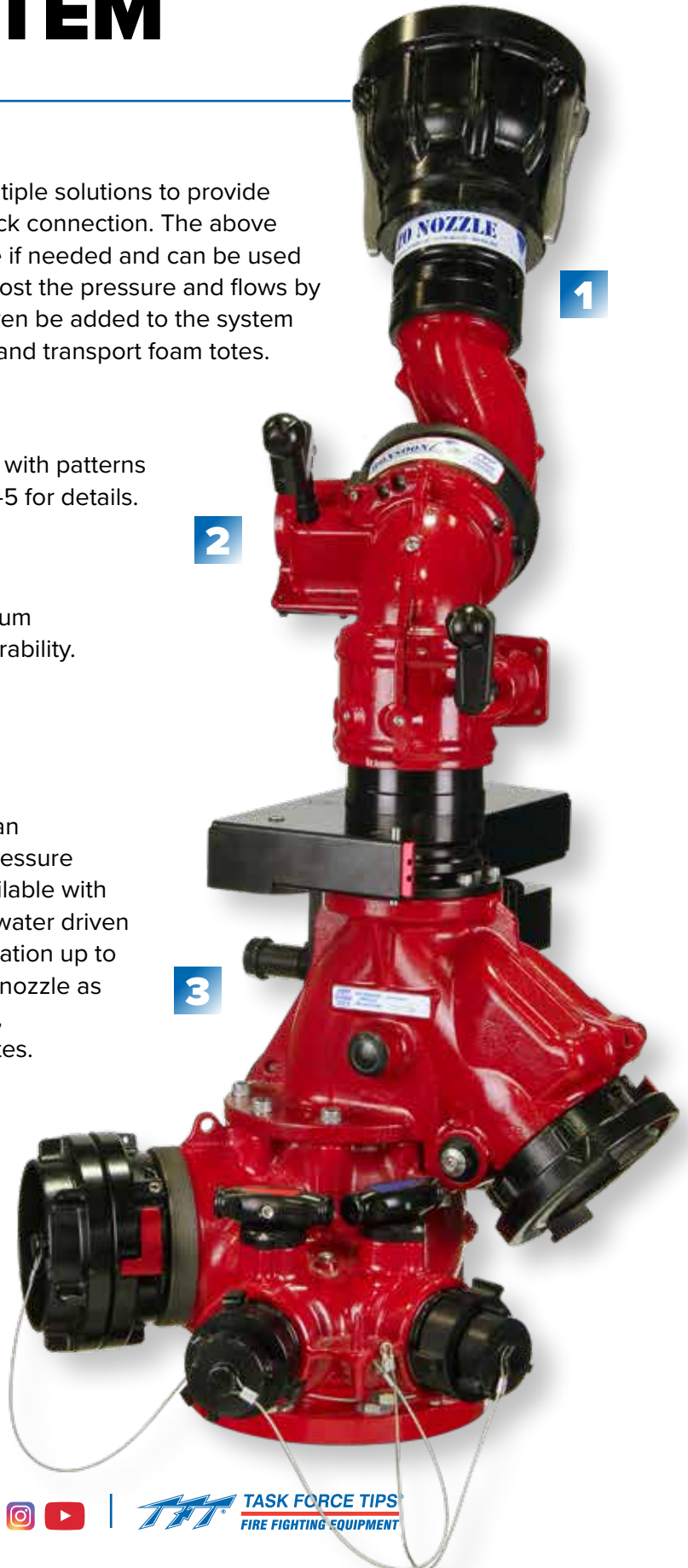
The Monsoon monitor is designed for maximum performance, low friction loss and rugged durability. Other monitor options available.

### 3 FDC-BOOST FLOWS, ADDS FOAM, AND OSCILLATES

The Booster valve makes it easy to connect an apparatus supply line to increase flow and pressure or inject firefighting foam. The booster is available with or without oscillation. The OSC model has a water driven turbine which allows horizontal monitor oscillation up to 120 degrees. All OSC turbine water exits the nozzle as part of the stream and not below the monitor, eliminating ice buildup in cold weather climates.

### 4 EASY ACCESS HYDRANT

The Hydrant Under Monitor (H.U.M.) brings the system above ground for easy access and service. Two configurable full flow LDH ports that can operate simultaneously or independently.



# HYDRANT SOLUTIONS

## INDUSTRIAL VALVE UNDER MONITOR (i.V.U.M.™)

The 4" (102 mm) i.V.U.M. is a robust, low friction loss valve intended for installation directly beneath monitors on a fire protection riser or hydrant stem. All models are equipped with an external automatic drain valve to fully drain the monitor and valve body after use, thus minimizing susceptibility to damage from corrosion and freezing water. Electrically controlled versions are available.



## HYDRANT UNDER MONITOR (H.U.M.™)

The H.U.M. is an integrated, alternative hydrant supply valve for industrial fire protection. The H.U.M. has the same robust features of the Industrial Valve Under Monitor and has two additional full flow LDH ports that are configured to the facilities specification. Two concentric slow-close half ball valves allow the monitor to be operated either independently or simultaneously with the LDH ports.



## BOOSTER™



BOOSTER WITH OSCILLATOR

The Booster provides a secondary supply inlet for monitors rated up to 2,500 gpm (9,400 l/min), allowing pressure to be boosted using a pump and/or foam solution to be introduced. An LDH hose or in-line foam eductor may be connected to the secondary inlet. A swing check valve within the secondary inlet allows connections to be made while the monitor is flowing from the main inlet (fire protection riser). The main inlet can be configured for direct connection to a TFT Hydrant Under Monitor (H.U.M.) or Industrial Valve Under Monitor (i.V.U.M.). The Booster with Oscillator model adds the capability for horizontal oscillation up to 120 degrees. A completely enclosed water driven turbine drives the oscillation with flow from 1,000-2,000 gpm (3,800-7,600 l/min). The sweep angle can be field adjusted in 10 degree increments at any time while oscillating or stationary.

## OASIS UNDER MONITOR™

The Oasis Under Monitor can be used to boost pressure to a monitor, supply foam to a monitor, or to supply water to a hose line. In monitor boosting operation, the valve is first opened and water is supplied to the monitor at line pressure. Inlet and outlet supply lines on a boost pumper are then connected to the valve to divert water through the boost pump and increase pressure/flow to the monitor. A clapper valve provides uninterrupted water flow to the fire when transitioning to boost mode and in the event of boost pump failure.



# TRANSPORTABLE AND PORTABLE MONITORS







### CROSSFIRE® MONITOR

The CROSSFIRE monitor is a unique master stream appliance that's lightweight, compact and incredibly versatile. It can be connected to either a portable base or a truck. With a flow rating of up to 1,250 gpm (4,750 l/min) in portable operation, the TFT Crossfire monitor integrates the exclusive Safe-Tak safety shutoff system to prevent unintentional movement. The monitor also is available with 5" or 6" Storz connection, and pressure relief valve.



### BLITZFIRE® HE MONITOR

The Blitzfire offers a safe initial attack, even with limited staff. With a flow rating up to 500 gpm (2,000 l/min), it integrates an exclusive safety shutoff system that prevents unintentional movement during critical fireground operations. The HE (high elevation) version provides an 86 degree up elevation angle for tactical advantages, such as the ability to place a high-volume stream directly into an overhead, or operate as low as 10 degrees to reach that flange or pipe rack system that's directly in front of you.

### HEMISPHERE™ TRANSPORTABLE MONITOR

A versatile, lightweight, and quick to deploy up to 500 gpm (2,000 l/min) portable monitor that gives the user the ability to quickly establish water flow in locations that ground monitors cannot. A variety of mounts, including, an I-beam clamp that doubles as a 2" (51 mm) hitch mount, a dedicated hitch mount, and fixed mounts, provide the user the ability to quickly attach the monitor, and establish coverage on the fireground, or in preplanned locations.



FLEX CLAMP

I-BEAM CLAMP

PARALLEL BAR CLAMP

TANK LIP CLAMP

FIXED MOUNT

# DISTRIBUTION VALVES AND WATER SUPPLY



## **ULTRA MANIFOLDS**

TFT has a full range of valves, waterways and monitors for custom manifolds of every type. TFT products feature the lowest friction loss, most reliable and easiest to maintain products available.

### BALL INTAKE VALVES (BIV)™



Constructed of hard anodized and powder coated aluminum alloy, TFT's Ball Intake Valve series has virtually eliminated expensive corrosion related repairs. Available with a choice of manual or remote controls, a fast acting pressure relief valve, and a unique 30 degree swiveling inlet, these valves are the perfect choice for high volume flow operations.

### OASIS™ HYDRANT ASSIST VALVE



The Oasis is the perfect choice for dramatic water supply improvements when used with poorly performing hydrants or to establish long water delivery relays from alternate water sources.

### 5 WAY VALVE



*Aluminum  
Handles  
Available*

The 5-way manifold is a compact, portable, low friction-loss valve that can be used in many water distribution applications. The hydraulically actuated slide valve combined with four of TFT's 2.5" (65 mm) quarter-turn ball valves with folding handles make for the ultimate in versatility. All four 2.5" (65 mm) valves can be used with or without the LDH valve being open.

### VALVE UNDER MONITOR (V.U.M.)™



*Aluminum  
Handles  
Available*

The V.U.M. is a low-friction loss valve manifold for use below any monitor on aerials or industrial station monitors. It combines the robust actuating mechanism from the TFT Ball Intake Valve with a 4" ANSI 150# (DN 100 PN20) inlet and up to four 2.5" (65 mm) full-flow valves. Electric remote controlled (RC) models may be controlled from either a dedicated panel mount control or from TFT RC Monitor Operator Stations.

# FOAM APPLICATION AND DECONTAMINATION

## DECON/pak™

The DECON/pak is a self-contained agent proportioning and rinse application system helping to provide simple gross decontamination of firefighting personnel and equipment. Studies show that field decon using soap, water and brush can reduce cancer causing contamination on turnout gear by 85%.



Studies show that field decon using soap, water and brush can reduce cancer causing contamination on turnout gear by 85%.  
Source: Journal of Occupational and Environmental Hygiene. DOI: 10.1080/15459624.2017.1334904

## PRO/pak® PORTABLE FOAM SYSTEM

The PRO/pak foam injection and application system is the ideal choice to apply any Class A, AFFF or Alcohol Resistant foam concentrate fast, and easy. The PRO/pak is a 2.5 gal. (9.5 l) foam reservoir with a built-in eductor that can be set to the ratio of foam or wetting agents being used with three different quick connect nozzles included. It is capable of producing low or medium expansion finished foam, while operating at wide range of low or high inlet pressures.



## EDUCTORS

TFT In line foam eductors have a metering head with an easy-to-read knob for use with Class A, B, and AR-AFFF foam at a variety of percentages. The meter head is equipped with a unique back flush push-button for fast and easy cleaning right on the scene, and is secured to the eductor body with a rugged disconnect.



## FOAMJET™ FOAM TUBES

Make your TFT nozzle a high performance foam nozzle with the FOAMJET air-aspirating attachment. It can be easily removed in seconds for a water-only or non-aspirated stream. Models include handheld, industrial and master stream versions.



Rugged and dependable combination nozzles capable of producing aspirated finished foam, conventional straight stream and a wide fog pattern. To use the built-in aspirating feature of the nozzle, the operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration of the finished foam. If an immediate wide fog pattern is needed, the sleeve can be retracted and adjusted instantly to its regular position. TFT nozzles offer versatility not found in any other aspirating foam nozzle.

# HANDHELD NOZZLES



## SERVICE AND SUPPORT



**24/7 Live Tech Support**  
Firefighting is 24/7 and so is our technical support. Call when you need us, we'll be there.

**Instant Access**  
By serializing every product, you have instant access to drawings, manuals and support.

**24 Hour Repairs**  
24 hour turnaround on repairs for over 40 years.

At Task Force Tips, we go the extra mile to give you personalized service that is second to none. Technical assistance is available when you need it, from a knowledgeable staff with decades of fire service experience. Our friendly and helpful sales staff stands ready to assist you, whether it's to answer your questions, quote parts pricing, or find resources. If it's service or repair parts you need, our service department will offer the best solution to meet your needs with 24 hour turn around on all equipment sent back for service.

Providing the best service to our customers is not just a goal, it's our way of doing business every day here at Task Force Tips.

**800-348-2686 • [service@tft.com](mailto:service@tft.com)**

### TWISTER®

A selectable, dual gallonage, combination nozzle available in ¾" (19 mm), 1" (25 mm) and 1.5" (38 mm) threads and is designed for simplicity and durability.



### METRO™

Fixed gallonage nozzles series available in 1" (25 mm), 1.5" (38 mm) and 2.5" (38 and 65 mm) versions. All series feature multiple flow and pressure choices utilizing a calibrated flow disk. And all also feature flush without shut down, choice of fog teeth, stainless steel slide valve with detent flow control and optional colored pistol grip and handle covers.



### MID-FORCE™

This dual pressure automatic nozzle has a wide flow range of 70-200 gpm (265-760 l/min) that gives superior performance with a 1.5" (38 mm), 1.75" (45 mm) or 2" (51 mm) hose. The baffle of the nozzle is equipped with a low-pressure override knob, which allows the nozzle to achieve even greater flows at lower nozzle pressures.



### QUADRAFOG®

An excellent selectable gallonage nozzle that is an economical and lightweight choice suitable for use with low-expansion or multi-expansion foam attachments. 1" (25 mm) versions range are

5-40 gpm (20-150 l/min) or 5-60 gpm (20-230 l/min). The 1.5" (38 mm) version has a range of 30-125 gpm (110-470 l/min), and is available in high (100 psi) or low-pressure (75 psi) versions with either a molded rubber bumper or stainless steel spinning fog teeth.



### G-FORCE®

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. Available in a 1" (25 mm) and 1.5" (38 mm) versions.



### DUAL-FORCE®

This nozzle has a wide flow range of 95-300 gpm (360-1150 l/min), this series is an excellent choice for 1.5"- 2.5" (38-65 mm) hose lines. In the standard mode, the nozzle maintains a 100 psi (7 bar) operating nozzle pressure 75 psi (5 bar) on low pressure version). With a twist of the knob on the front of the nozzle, you can switch the nozzle to the low-pressure mode, which immediately reduces the nozzle's operating pressure to around 55 psi (4 bar) approximately 45 psi (3 bar) in low pressure version).



### THUNDERFOG®

A selectable gpm nozzle that is available in two basic series: the 200 series, with a selectable flow range of 30-200 gpm (110-750 l/min), or 95-250 gpm (360-950 l/min) and the 250 series, with a selectable flow range of 95-250 gpm (360-950 l/min). The 200 series is an excellent choice for 1.5", 1.75", or 2.0" hose lines (25, 45 or 51 mm), and for higher flows, the 250 series will work with 2.5" or 3.0" (65 or 76 mm) hose lines.



### MID-MATIC™

With a wide flow range of 70-200 gpm (260-760 l/min), the MID-MATIC mid-range automatic nozzle series can be used on 1.5" (38 mm), 1.75" (45 mm) and 2" (51 mm) hose and has operational pressure choices of 100, 75 or 55 psi (7, 5 or 3 bar).



### HANDLINE™

This automatic nozzle includes all conventional handline sizes in one. The wide flow range of 95-300 gpm (360-1150 l/min) includes operational pressure choices of 100 psi (7 bar), 75 psi (5 bar) and 55 psi (4 bar). This series is an excellent choice for 1.5"- 2.5" (38-65 mm) hose lines.



## EVERY LEVEL OF SUPPORT



TFT supports our customers with multiple service options. Contact your TFT distributor, utilize TFT's rapid repair service, or learn to maintain and service TFT products in-house. TFT offers several service bootcamps for both dealers and end users each year. These opportunities allow for hands-on learning and are free to TFT customers.

## VISIT TASK FORCE TIPS



TFT welcomes visitors each week with the opportunity to tour our facilities, meet our team and try out any of the TFT products. Contact your TFT dealer for additional details.

# ADAPTERS WRENCHES AND TOOLS

TFT has offered adapters and fittings for a number of years and demand continues to grow for them. TFT has introduced a number of new adapters and now a new catalog of these products is available. Given that there are a number of suppliers for adapters and elbows, why choose TFT?



## PRODUCT ACCURACY & QUALITY

With a long history in water flow and the latest state-of-the-art systems, TFT delivers the right size, the right thread, and a product of high quality.

## CONSISTENT LEAD TIMES

Many products are in stock for quick shipping. Orders that are more specialized will ship in a timely and consistent fashion.

## A BRAND YOU CAN TRUST

TFT is a leader in water flow. Product quality, service and support, and integrity in our business practices are an important part of how we do business everyday.



**TASK FORCE TIPS®**  
**FIRE FIGHTING EQUIPMENT**

USA & Canada 800.348.2686 • 219.462.6161 • Fax 219.464.7155 • sales@tft.com  
International +1.219.548.4000 • Fax +1.219.548.7155 • intsales@tft.com  
3701 Innovation Way • Valparaiso, IN 46383-9327, USA

## Worldwide Approval and Certifications

As well as being a Registered Firm to ISO 9001:2015 by Underwriter's Laboratory, Task Force Tips maintains product certifications and approvals from agencies around the world. *Not all certifications shown here apply to all models.* Certifications for specific models are available for review on the TFT website at [www.tft.com/Resource-Library](http://www.tft.com/Resource-Library), and include approvals of remote controlled models used in potentially hazardous atmospheres as well as country specific requirements. All products are designed, developed and manufactured in the United States of America at our Valparaiso, Indiana world headquarters.



EtherNet/IP  
ODVA