# MONITORS & WATER CANNONS

*REMOTE CONTROL & MANUAL*




**Our monitor lines cover a wide range of models for wildland, municipal, and industrial firefighting. Flows range from 10 gpm (40 l/min) to over 8000 gpm (30,000 l/min) in both RC and manual versions. Features include compact designs, low friction loss and options to make RC controls and programming simple and intuitive. Monitors have a wide range of nozzle options in various flows and pressures.**

# HURRICANE™ MANUAL
## 1250 gpm (4750 l/min) Fixed Station Monitor

FM APPROVED

The Task Force Tips' Hurricane is a durable, industrial, high-capacity fixed monitor. The Hurricane has high flow and low friction loss characteristics. The red powder coat finish (inside and out), and stainless steel elevation drive make the Hurricane one appliance that can stand up to tough service environments. The Hurricane is capable of flowing 1250 gpm (4750 l/min) while maintaining a FULL 360° rotational ability. The lever-action rotational lock is activated in one motion, visually confirmed, and securely holds the Hurricane in position. A built-in automatic drain protects the monitor from freezing. The placement of grease zerks allows the Hurricane monitor to be quickly and easily serviced and lubricated, and a threaded port 0.25" NPT (6 mm) is provided for a pressure gauge. The Hurricane is made from hard anodized ANSI A356-T6 aluminum. The Hurricane industrial monitor comes with our exclusive 5-year warranty.



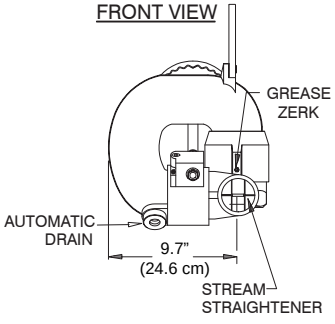
**XFI-FLNJ**
**19.60 lb (8.90 kg)**
- 3" ANSI 150 flange inlet
- 2.5" NH outlet

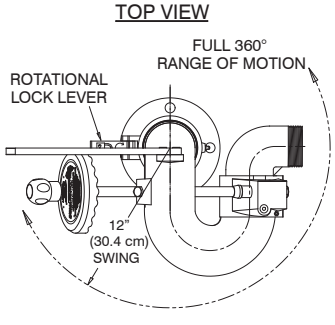


**XFI-PLNJ**
**18.20 lb (8.30 kg)**
- 3" female NPT inlet
- 2.5" NH outlet



**XFIF-PLNJ**
**18.20 lb (8.30 kg)**
- 3" female NPT inlet
- 2.5" NH outlet
- No tiller






**XFI-FPNJ**
**22.20 lb (10.10 kg)**
- 4" ANSI 150/DN100 PN16 flange inlet
- 2.5" NH outlet
- Galvanic isolation sleeve included (only fits 4" ANSI 150 bolt pattern)



**XFIE-FLNJ**
**3" Flange Extended**
**21.00 lb (9.50 kg)**
- 3" ANSI 150 flange inlet
- 4 bolts
- 2.5" NH outlet



**XFIE-FPNJ**
**4" Flange Extended**
**22.60 lb (10.30 kg)**
- 4" ANSI 150/DN100 PN16 flange inlet
- 2.5" NH outlet
- Galvanic isolation sleeve included (only fits 4" ANSI 150 bolt pattern)

**Conversions**
2.5" (65 mm)
3.0" (75 mm)
4.0" (100 mm)

***Frequently Purchased HURRICANE Manual Monitor Nozzles found on next page.***



# MASTER STREAM & MONITOR NOZZLES

**Fire departments around the globe need a hard hitting and long reaching water stream from their monitors and water cannons. However, each department operates at different flows and pressures in fixed, selectable and automatic nozzle styles. That's why TFT offers multiple options with easy adjustment and flush features built in.**

# MASTER FORCE™ SERIES
## AUTOMATIC 300-800 gpm (1100-3000 l/min)

The TFT MASTER FORCE series gives a clean, far-reaching straight stream and the only dual pressure automatic nozzle with a flow range of 300-800 gpm (1100-3000 l/min). It is adjustable from straight stream to a dense fog pattern and flush without shutting down. MASTER FORCE series nozzles are suitable for use with foam.

- For use with TFT Crossfire, Radius, Hurricane, Flex and Monsoon 1250 monitors
- Dual pressure control 100/55 psi (7/4 bar)
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment

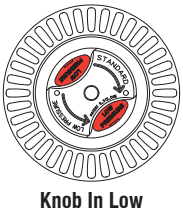



**MC12A**

| MODEL | INLET | FLOW | OPERATING PRESSURE | LENGTH | WEIGHT |
|---|---|---|---|---|---|
| MC12A | 2.5" NH (65 mm) | 300-800 gpm (1100-3000 l/min) | 100/55 psi (7/4 bar) | 10.4" (26.4 cm) | 9.5 lb (4.3 kg) |




**Knob In Standard Pressure Mode**




**Knob In Low Pressure Mode**

*The Master Force nozzle features TFT's dual pressure knob. With a twist of the large knob on the front of the nozzle, the operating pressure may be switched between standard 100 psi (7 bar) and a low pressure mode 55 psi (4 bar).*



### PORTABLE MONITOR FOAM ATTACHMENT

*The full line of foam attachments can be found in the Foam Equipment section.*

| MODEL | FITS NOZZLE | LENGTH | WEIGHT |
|---|---|---|---|
| FJ-LX-M | Master Force Series | 25.30" (64.3 cm) | 6.4 lb (2.9 kg) |

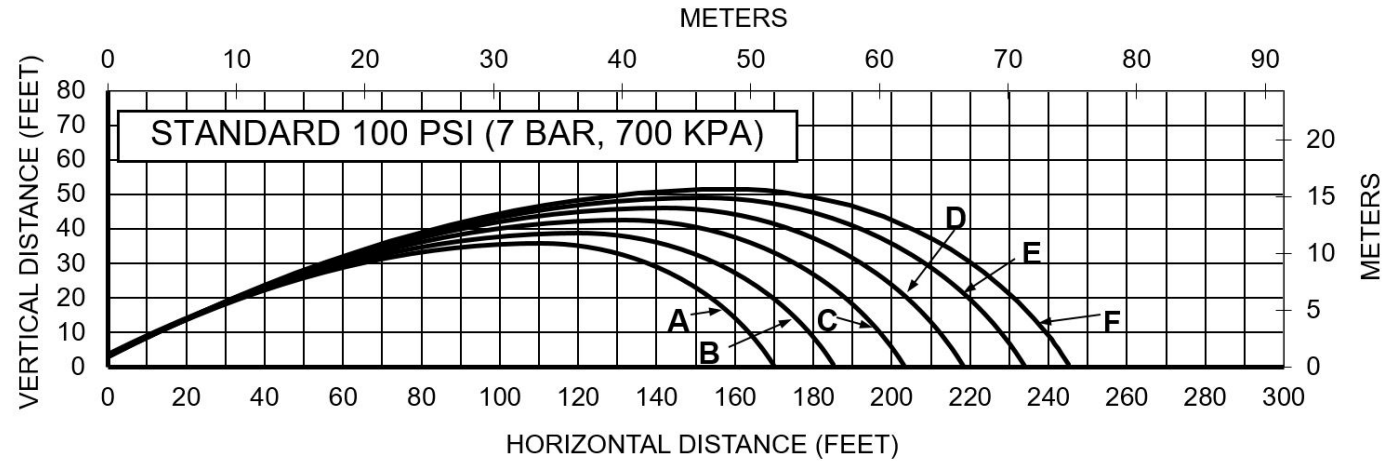
Figure 6.1A

## 6.2 REACH AND TRAJECTORY

Tables and graphs in this section give the stream trajectory for the Master-Force nozzle at various flows.

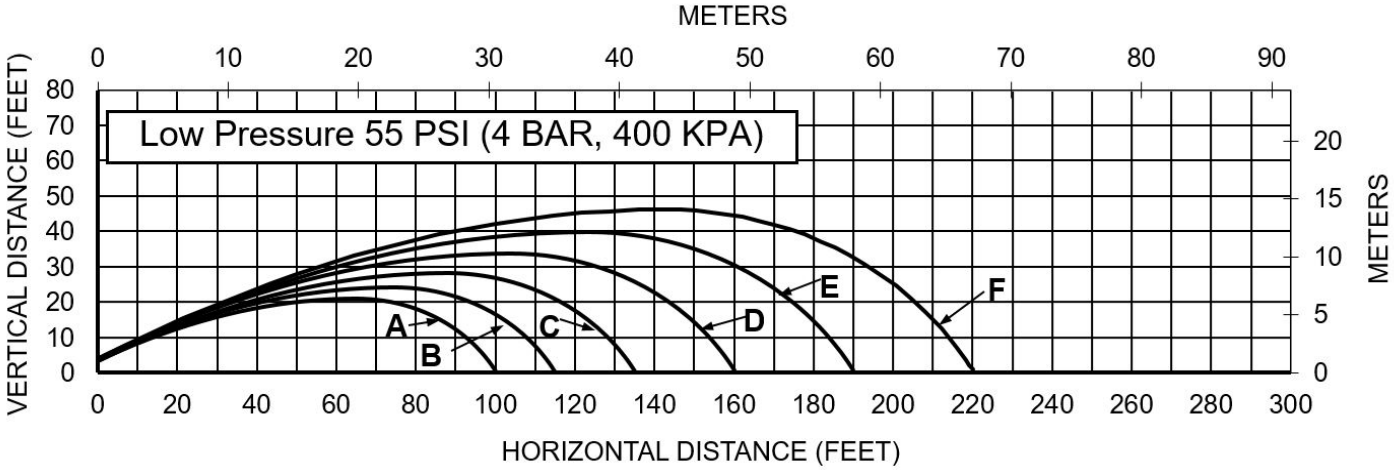
Notes on trajectory graphs:

- Graphs show approximate effective stream trajectory at 30 degrees elevation in no wind conditions. Distance to last water drops approximately 10% farther.
- To estimate trajectories at elevations other than 30 degrees, refer to document LTT-135, available at tft.com.
- Trajectories shown are for water. The addition of foam is expected to decrease the reach by 10%.
- Tail or head winds of 20 MPH (30 KPH) may increase or decrease the range approximately 30%.




| CURVE | GPM FLOW | LBS REACTION |
|---|---|---|
| A | 300 | 160 |
| B | 400 | 210 |
| C | 500 | 260 |
| D | 600 | 320 |
| E | 700 | 370 |
| F | 800 | 420 |

| CURVE | L/min FLOW | KGF REACTION |
|---|---|---|
| A | 1100 | 70 |
| B | 1500 | 95 |
| C | 2000 | 120 |
| D | 2300 | 145 |
| E | 2700 | 170 |
| F | 3000 | 190 |




| CURVE | GPM FLOW | LBS REACTION |
|---|---|---|
| A | 300 | 60 |
| B | 400 | 140 |
| C | 500 | 185 |
| D | 600 | 225 |
| E | 700 | 300 |
| F | 800 | 385 |

| CURVE | L/min FLOW | KGF REACTION |
|---|---|---|
| A | 1100 | 30 |
| B | 1500 | 65 |
| C | 2000 | 85 |
| D | 2300 | 100 |
| E | 2700 | 140 |
| F | 3000 | 175 |

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# Task Force Tips (USA)

TASK FORCE TIPS®
FIRE FIGHTING EQUIPMENT

## Leader in tactical water delivery solutions

FOREMOST



### Handheld Fire Fighter Nozzles




**Midmatic**
**Automatic Fire Nozzle**
260-760 LPM




**Thunderfog**
**Selectable Flow Nozzle**
360-470-570-750-950 LPM




**Quadarfog**
**Selectable Flow Nozzle**
110-230-360-470 LPM

**complies with pr EN 15767-1 Standards**

### Portable Water Monitors

CE



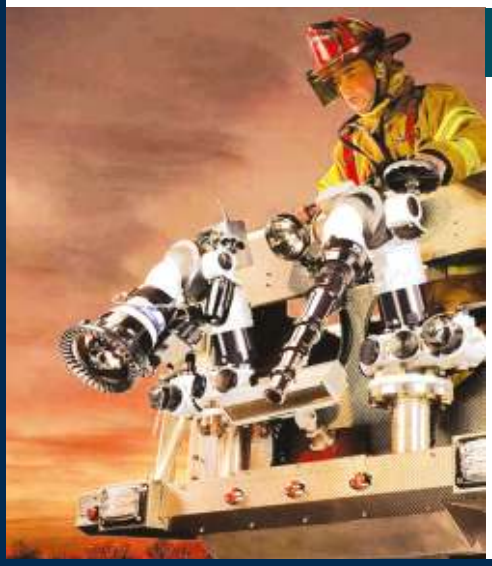
**Blitzfire**
**Oscillating Portable Monitor**
400-2000 LPM , Dual Pressure

CE



**Crossfire**
**Portable Water-Foam Monitor**
600-4500 LPM , Auto Nozzle





### Manual / Remote operated Water - Foam Monitors

CE
Atex version available



**Hurricane Monitor**
**Manual & Remote Control**
4500 LPM

CE
Atex version available



**Monsoon Monitor**
**Manual & Remote Control**
8000 LPM

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