

Monitor Extension Pipe

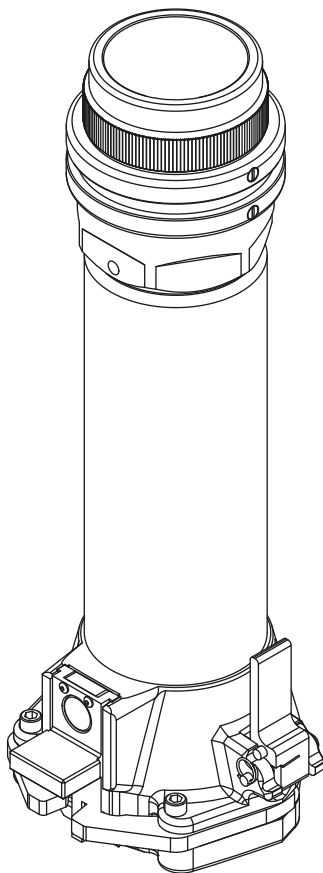
INSTRUCTION FOR INSTALLATION, OPERATION, AND MAINTENANCE

⚠ DANGER

Understand manual before use. Operation of this device without understanding the manual and receiving proper training is a misuse of this equipment. Obtain safety information at tft.com/serial-number.

This equipment is intended for use by trained and qualified emergency services personnel for firefighting. All personnel using this equipment shall have completed a course of education approved by the Authority Having Jurisdiction (AHJ).

This instruction manual is intended to familiarize firefighters and maintenance personnel with the operation, servicing, and safety procedures associated with this product. This manual should be kept available to all operating and maintenance personnel.



DANGER

PERSONAL RESPONSIBILITY CODE

The member companies of FEMSA that provide emergency response equipment and services want responders to know and understand the following:

1. **Firefighting and Emergency Response** are inherently dangerous activities requiring proper training in their hazards and the use of extreme caution at all times.
2. **IT IS YOUR RESPONSIBILITY** to read and understand any user's instructions, including purpose and limitations, provided with any piece of equipment you may be called on to use.
3. **IT IS YOUR RESPONSIBILITY** to know that you have been properly trained in Firefighting and/or Emergency Response and in the use, precautions, and care of any equipment you may be called upon to use.
4. **IT IS YOUR RESPONSIBILITY** to be in proper physical condition and to maintain the personal skill level required to operate any equipment you may be called upon to use.
5. **IT IS YOUR RESPONSIBILITY** to know that your equipment is in operable condition and has been maintained in accordance with the manufacturer's instructions.
6. Failure to follow these guidelines may result in death, burns or other severe injury.

Fire and Emergency Manufacturers and Service Association, Inc.
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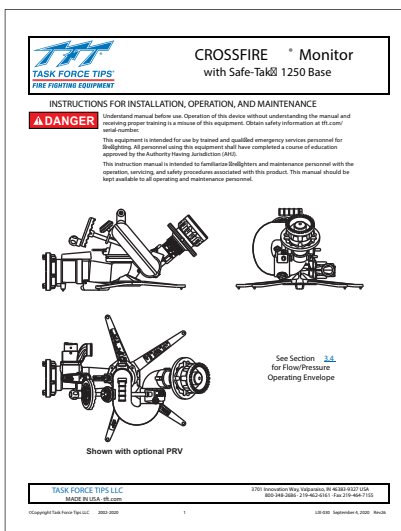
**FEMSA**

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SUPPORTING MATERIALS

The following documents contain supporting safety and operating information pertaining to the equipment described in this manual.



LIX-030 Crossfire Monitor Manual

1.0 MEANING OF SAFETY SIGNAL WORDS

A safety related message is identified by a safety alert symbol and a signal word to indicate the level of risk involved with a particular hazard. Per ANSI Z535.6, the definitions of the four signal words are as follows:



DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE is used to address practices not related to physical injury.

2.0 SAFETY



The Monitor Extension Pipe is intended for use on a Fixed Mount System only. Placing the Monitor Extension Pipe on a portable base can cause the base to slide or lift off the ground, which can result in injury or death due to an out of control monitor. Never use the Monitor Extension Pipe on a portable base.



This equipment is intended for use by trained personnel for firefighting. Use of this equipment for other purposes may involve hazards not addressed by this manual. Seek appropriate guidance and training to reduce risk of injury.



The stream exiting a nozzle is very powerful and capable of causing injury and property damage. Make sure the nozzle is securely attached and pointing in a safe direction before water is turned on. Do not direct water stream to cause injury or damage to persons or property.



Equipment may be damaged if frozen while containing significant amounts of water. Such damage may be difficult to detect visually. Subsequent pressurization can lead to injury or death. Any time the equipment is subject to possible damage due to freezing, it must be tested and approved for use by qualified personnel before being considered safe for use.

3.0 GENERAL INFORMATION

The Monitor Extension Pipe is a simple way to elevate the outlet of a fixed or truck mounted TFT Crossfire. The Monitor Extension Pipe raises the outlet of the Crossfire 15 ¾ inches (40 cm). It connects to the mounting flange as well as the Crossfire monitor in the same fashion, allowing the monitor to be used with and without the extension.

3.1 SPECIFICATIONS

| | US | METRIC |
|--------------------------------------|--|-------------|
| Monitor Inlet Height Increase | 15.75" | 40 cm |
| Maximum Flow Rate | 1250 GPM | 4800 L/min |
| Maximum Operating Pressure | 175 PSI | 12 BAR |
| Operating Temperature Range of Fluid | 33°F to 120°F | 1°C to 50°C |
| Storage Temperature Range | -40 to 150°F | -40 to 65°C |
| Materials | Hardcoat anodized and powder coated aluminum, 316 Stainless Steel, Nylon, Nitrile rubber | |

Table 3.1

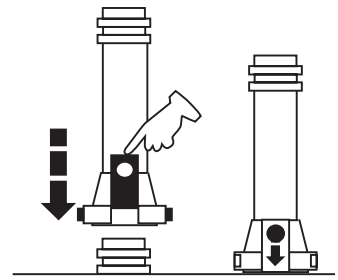
3.2 USE WITH SALT WATER

Use with salt water is permissible provided the equipment is thoroughly cleaned with fresh water after each use. The service life of the equipment may be shortened due to the effects of corrosion, and is not covered under warranty.

4.0 INSTALLATION

To install the Monitor Extension Pipe on a truck mount flange:

1. Make sure the slide bar is in the up position.
2. Position monitor over the flange and slide straight down.
3. Push the slide bar down and watch the pawls engage the groove in the base and the safety plunger engage in the hole in the slide bar.



Truck Deck

Figure 4.0A

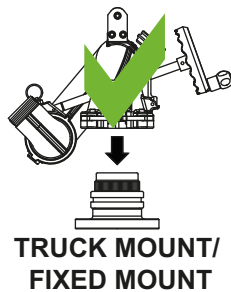
⚠ DANGER

The Monitor Extension Pipe is intended for use on a Fixed Mount System only. Placing the Monitor Extension Pipe on a portable base can cause the base to slide or lift off the ground, which can result in injury or death due to an out of control monitor. Never use the Monitor Extension Pipe on a portable base.

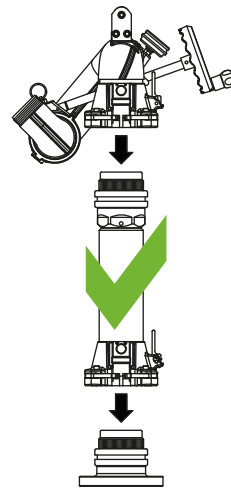
⚠ WARNING

Multiple Monitor Pipes connected together are not strong enough to withstand the bending forces of monitor operation. Equipment damage, serious injury, or death can occur from an out of control monitor. Never install more than one Monitor Extension Pipe to a Monitor.

CORRECT INSTALLATION

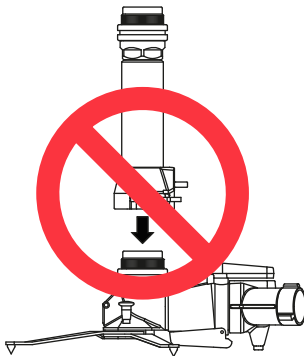


TRUCK MOUNT/
FIXED MOUNT

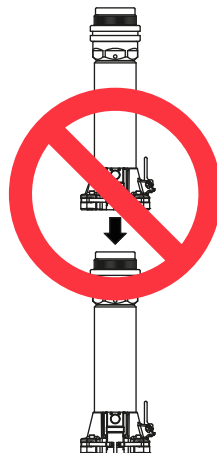


EXTENSION PIPE ON
TRUCK MOUNT/FIXED MOUNT

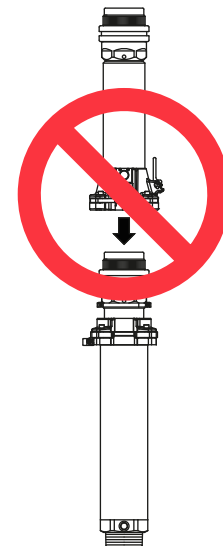
INCORRECT INSTALLATION



EXTENSION PIPE ON
PORTABLE BASE



EXTENSION PIPE ON
EXTENSION PIPE



EXTENSION PIPE ON
EXTEND-A-GUN

Figure 4.0B

5.0 WARRANTY

Go to tft.com for all warranty information.

6.0 MAINTENANCE

TFT products are designed and manufactured to be damage resistant and require minimal maintenance. However, as the primary firefighting tool upon which your life depends, it should be treated accordingly. The unit should be kept clean and free of dirt by rinsing with water after each use. Any inoperable or damaged parts should be repaired or replaced before placing the unit in service. To help prevent mechanical damage, do not drop or throw equipment.

In applications where appliances are left continuously connected to the apparatus or other devices or are used where water is trapped inside the appliance, the appliance must be flushed with fresh water following each use and inspected for damage.

This appliance should be disconnected, cleaned and visually inspected inside and out at least quarterly, or as water quality and use may require. Moving parts such as handles, valve ball and couplings should be checked for smooth and free operation. Seals shall be greased as needed with Silicone based grease such as Molykote 112. Any scrapes that expose bare aluminum should be cleaned and touched up with enamel paint such as Rust-Oleum. Replace any missing or damaged parts before returning to service.

Any equipment taken out of service due to failure should be returned to the factory for repair or replacement. If you have any questions regarding the testing or maintenance of your valve, please call Task Force Tips at 800-348-2686.

6.1 SERVICE TESTING

In accordance with NFPA 1962, equipment must be tested a minimum of annually. Units failing any part of this test must be removed from service, repaired and retested upon completion of the repair.

6.2 REPAIR

Factory service is available. Factory serviced equipment is repaired by experienced technicians, wet tested to original specifications, and promptly returned. Call TFT service department at 1-800-348-2686 to troubleshoot and, if needed, directions for return. A return for service form can also be obtained at tft.com/Support/Returning-an-Item-for-Service.

Repair parts and service procedures are available for those wishing to perform their own repairs. Task Force Tips assumes no liability for damage to equipment or injury to personnel that is a result of user service. Contact the factory or visit the web site at tft.com for parts lists, exploded views, test procedures and troubleshooting guides.

Performance tests shall be conducted on the equipment after a repair, or anytime a problem is reported to verify operation in accordance with TFT test procedures. Consult factory for the procedure that corresponds to the model and serial number of the equipment. Any equipment which fails the related test criteria should be removed from service immediately. Troubleshooting guides are available with each test procedure or equipment can be returned to the factory for service and testing.

WARNING

It is the responsibility of service technicians to ensure the use of appropriate protective clothing and equipment. The chosen protective clothing and equipment must provide protection from potential hazards users may encounter while servicing equipment. Requirements for protective clothing and equipment are determined by the Authority Having Jurisdiction (AHJ).

CAUTION

Any alterations to the product or its markings could diminish safety and constitutes a misuse of this product.

NOTICE

All replacement parts must be obtained from the manufacturer to assure proper performance and operation of the device.

7.0 EXPLODED VIEWS AND PARTS LISTS

Exploded views and parts lists are available at tft.com/serial-number.

8.0 OPERATION AND INSPECTION CHECKLIST

BEFORE EACH USE, appliances must be inspected to this checklist:

1. Waterway is clear of obstructions.
2. There is no damage to any thread or other connection.
3. Gaskets are in good repair.
4. There is no obvious damage such as missing, broken or loose parts.
5. There is no damage to the appliance that could impair safe operation (e.g. dents, cracks, corrosion, or other defects).
6. Monitor is securely attached.

BEFORE BEING PLACED BACK IN SERVICE, appliances must be inspected to this checklist:

1. The waterway is clear of obstructions.
2. There is no damage to any thread or other type connection.
3. Gaskets are in good repair.
4. There is no obvious damage such as missing, broken or loose parts.
5. There is no damage to the appliance that could impair safe operation (e.g. dents, cracks, corrosion, or other defects).
6. Nozzle is securely attached.



Equipment failing any part of the checklist is unsafe for use and must have the problem corrected before use or being placed back into service. Operating equipment that has failed the checklist is a misuse of this equipment.