

# Master Stream Operations

Mancahca Fire/Rescue  
Travis County Emergency Services District #5



# Master Stream Devices

A master stream is any fire stream that flows more than 350 gallons per minute and is not intended for handheld operation.

In MFR we have several options for establishing master streams.

- Playpipe nozzle on 2½” or 3” hoseline
- Blitzfire rapid deployment monitor
- Apparatus deck gun
- Ground monitor

# Safety

Because of the high flows and nozzle reaction forces at play, master stream devices should be anchored and or used with the appropriate monitor base.

For some devices there are also limitations on the angle of the stream either vertically or side to side from centerline.

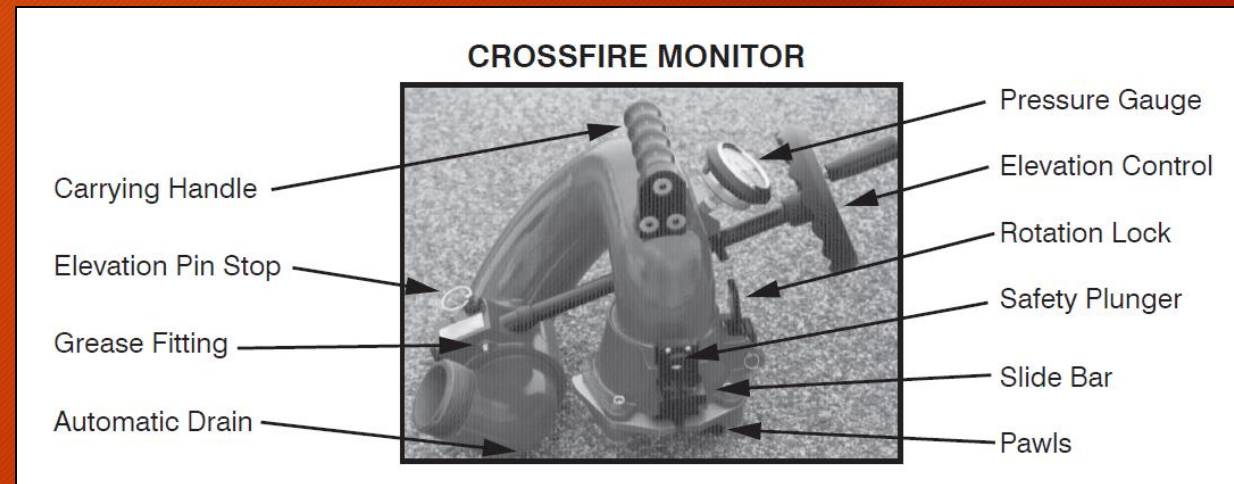
Specific safety parameters will be covered with each device in this presentation.

# Deck Gun Operation

## VIDEO

[TFT Crossfire Monitor](#)

- Mounted on top of the engines, the deck gun provides a master stream that is secured to the apparatus
- The deck guns have an extendable waterway to assist with reach over apparatus-mounted obstacles
- When mounted to the apparatus, the monitor's vertical angle can be lowered past the 35° stop pin.
- If the apparatus does not have a shut off at the deck gun, the operator will need to coordinate flow with the pump operator.

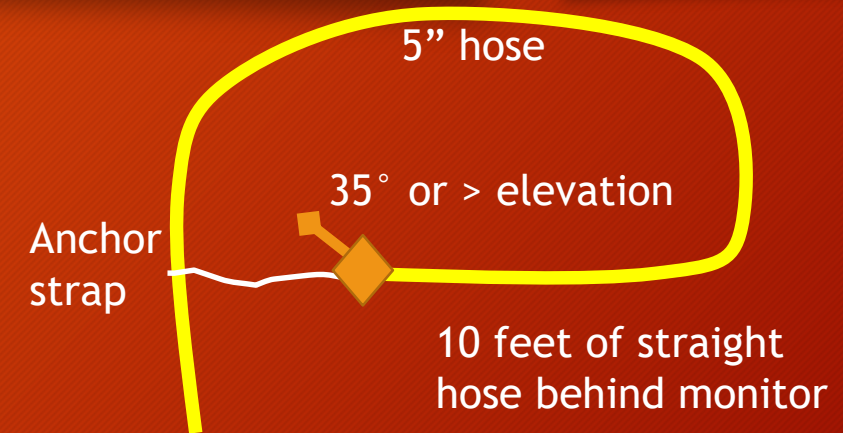


# Ground Monitor Operation

## VIDEO

[Deploying the ground monitor part 1](#)  
[Deploying the ground monitor part 2](#)

- Uses the monitor appliance from the deck gun
- Appliance is placed on a ground base
- A loop of 5" is placed so the base anchor strap can be tied to the 5"
  - This is a safety precaution. The strap should not be actively restraining the monitor while flowing
- The nozzle is attached to the base and elevated above 35° (elevation restriction pin should be engaged)
- Base has a safety valve to reduce flow if the base becomes unstable



# BlitzFire Monitor

VIDEO

[BlitzFire Monitor](#)

- Designed for single firefighter deployment, supplied by 2½” or 3” hose with up to 500 gpm flow
- MRF has a fog nozzle and stack tip set available for the BlitzFire.
- Should have a minimum of 10’ of hose running straight off the rear of the monitor for best stability
- Safety valve will shut down flow if a 1g force occurs against the monitor



# Playpipe Operations

- The playpipe is a nozzle designed to be operated with multiple personnel at high flow or by one person from a fixed position.
- Supply is 2½” or 3” hose
- A 1 3/8” tip will supply 400 to 500 gpm depending on whether NP is 50 or 80 psi
- At these flows, the nozzle is operated from a stationary position with the firefighter sitting on the hose directly behind the nozzle. Have about 10’ of hose straight behind the firefighter to assist stability. Making a loop with the hose is not necessary. When seated on the line, the reaction force is directed into the ground at the firefighter’s position. Do not take your body weight off of the hose while flowing.

