



# Longbow Mobile Monitor

## OVERVIEW

The Longbow is a lightweight trailer-mounted monitor capable of delivering up to 12000 GPM (45425 LPM) of water/foam solution.

Designed to be towed by a pick-up truck, the monitor can be quickly delivered to the developing hazard and put to work once available hose lines and pumping systems have been attached. The unit's integrated ballast tanks and outriggers provide added stability during use. The Longbow has 360 degree monitor rotation with the ability to be controlled by remote control or hand-wheels.

Foam can be proportioned into the trailer through a self-educing nozzle: The nozzle operates as a venturi device for foam solutions up to 3%.

## OPERATION

The Longbow trailer is transported to the site and located within proximity of the hazard. The monitor trailer must be located on flat, level ground that has a stable base (no mud). Make sure the monitor and the nozzle's flow path are free of obstructions that would hinder fire fighting operations. Deploy the fold-down outriggers and ensure the unit is leveled with the jack pads.

Connect all Storz inlet lines as well as any foam connections (if required). Make sure the monitor is upwind of the hazard to afford the longest available range!

Flow is brought up slowly to the monitor to prevent sudden shifting. Bring the nozzle to its nominal operating pressure (100 PSI indicated on the nozzle gauge).

# Longbow Specs, Construction, and Range

## SPECIFICATIONS

- **Flow Rate Setting:**
  - Max 12000 GPM (Water/Foam Solution);
    - 1000 GPM increment settings (4000-12000)
- **Monitor Size:**
  - 12"
- **Nozzle:**
  - 12" self-educing combination fog/stream nozzle
- **Horizontal Rotation Range:**
  - 360 degrees (remote control or hand-wheel)
- **Dimensions:**
  - **Stored/Shipping:**
    - L: 209" x H: 70" X W: 90"
  - **Deployed:**
    - L: 209" x H: 70" X W: 144"
- **Vertical Range:**
  - +10 / +80
- **Trailer Weight (Approximately):**
  - 6900 lbs (3000 kg)
- **No Environmental restrictions**

## TRAILER CONSTRUCTION

- Structural steel frame with textured deck coating
- Fold down outrigger stability system with integral leveling jacks with anti-skid pads
- Integrated open ballast tanks for extra stability
- Electric brakes with emergency breakaway circuit
- Integrated large storage compartment in A-frame of the trailer
- Large waterways with configurable inlets for low pressure loss

### DRAGON XL NOZZLE ON LONGBOW (6K-12K) RANGE @ 100 PSI

ESTIMATION - WATER ONLY - WIND CONDITIONS 0-3MPH

