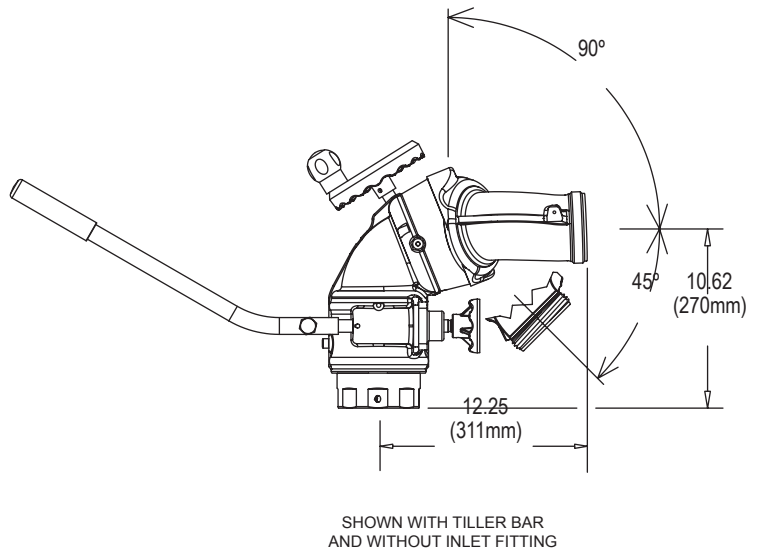
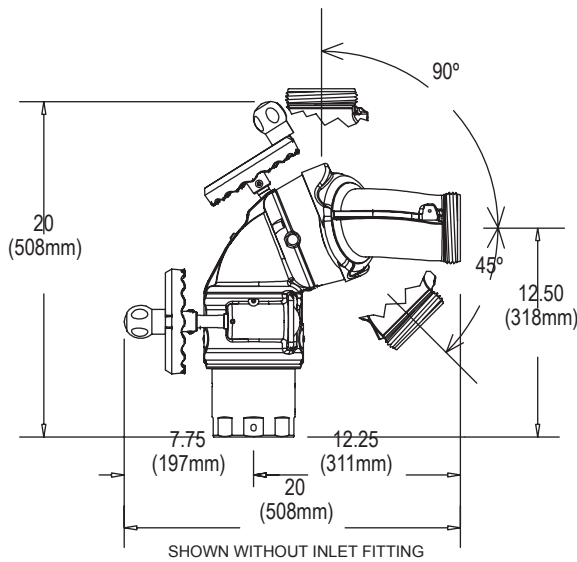
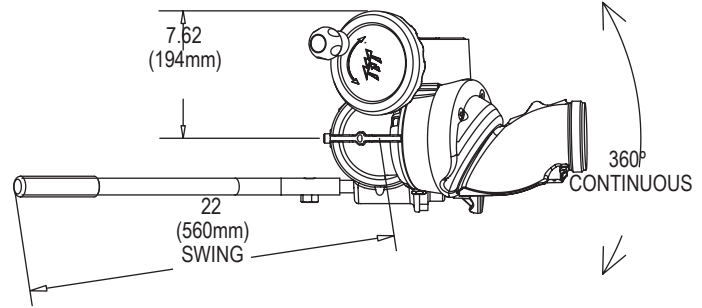
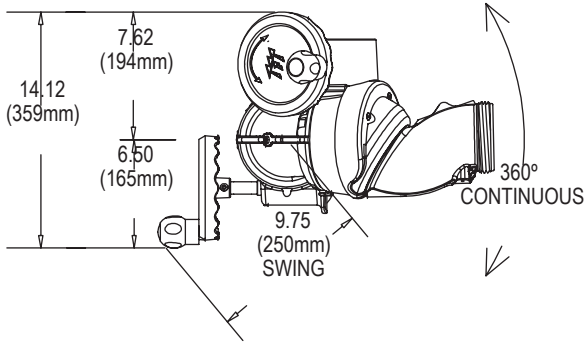


## 2000 GPM Manually Controlled Monitor

The Monsoon Monitor is a manually operated monitor designed for flows up to 2000 gpm (7,600 l/min). Maximum operating pressure is 200 psi (14 bar). Unique patent pending segmented waterway has only 15 psi (1 bar) friction loss at 2000 gpm. Water makes very few turns as it travels through the monitor resulting in low friction loss and a far-reaching effective stream. Elevation range is 90 degrees above horizontal to 45 degrees below. Field changeable elevation travel stops at 45 degrees above, 30 degrees above, and 30 degrees below horizontal. The manual model has continuous horizontal rotation with field changeable stops at 45, 90, and 135 degrees either side of a center position. Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's electric Extend-A-Gun RC3 or RC4. See chart on next page for model numbers. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 3.5" NH (90 mm) rigid male thread. Other outlets are available.



**Y4-M\*\*A (see chart page 90)**  
25 lb (11.4 kg)



**Y4-T\*\*A (see chart page 90)**

26 lb (11.8 kg)



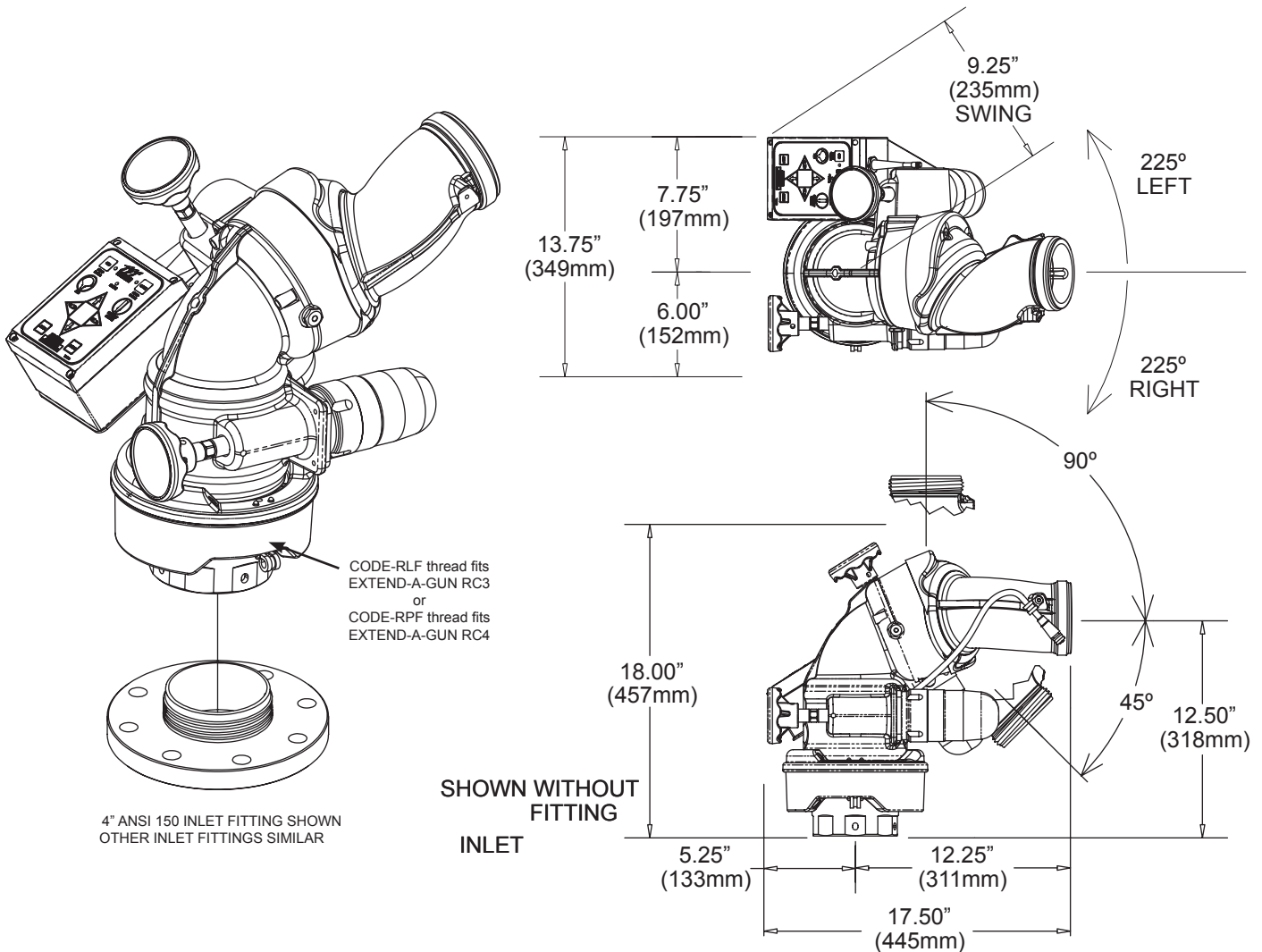
### FLANGE SPECIFICATIONS

FITS FLANGE	OUTSIDE DIAMETER	THICKNESS	BOLT HOLE CIRCLE	NUMBER OF BOLTS	SIZE OF BOLTS
3" ANSI 125/150 DN80 PN20	7.50" 190 mm	0.75" 20 mm	6.00" 152.5 mm	4 4	5/8" M16
4" ANSI 150 DN100 PN20	9.00" 230 mm	0.94" 23 mm	7.50" 190.5 mm	8 8	5/8" M16
DN80 PN16	200 mm	22 mm	160 mm	8	16 mm
DN100 PN16	220 mm	22 mm	180 mm	8	16 mm

When ordering a Monsoon monitor, choose one option from each category on page 90. For example Model Y4-M21A is a manual aluminum monitor with 4" ANSI 150 flange inlet and 3.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

## 2000 GPM Remote Controlled Deck Monitor Designed for Pumper Applications

The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle and uses larger override handwheels than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Monsoon RC comes with a factory installed control panel mounted on the monitor for controlling horizontal rotation, elevation, nozzle pattern and programmable PARK and Oscillate. See page 110-111 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30 feet of ultra-flexing robotics cable already wired to the monitor so installation effort is minimized. Power wire has only four conductors (two for power and two for communications), further easing the installation effort. Power wire is enclosed in a unique wire guide that allows 450° of horizontal travel (225° either side of a center position), which is far more reliable than slip rings or coil cords. Knobs for manual override are provided on the horizontal rotation and elevation drive. TFT's Master 2000 ER nozzle plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 3.5" NH (90 mm) rigid male thread. Other outlets are available. RC Monitor delivered with wireless antenna installed. For wireless operation, purchase wireless operator station package on page 110.



Y4-E\*\*A  
37 lb (16.8 kg)



Y4-

			<b>A</b>
Actuation	Inlet		Outlet
<b>E</b> ) Electric	<b>1</b> ) 3" ANSI 150	<b>7</b> ) 4" NPT Female	<b>1</b> ) 3.5"-6 NH Male
<b>M</b> ) Manual	<b>2</b> ) 4" ANSI 150	<b>8</b> ) 3" BSP Male	<b>2</b> ) 3.5"-11 BSP Male
<b>T</b> ) Tiller	<b>3</b> ) 6" ANSI 150	<b>9</b> ) 4" BSP Male	<b>3</b> ) 3.5"-8 NPSH Male
	<b>4</b> ) DN80, PN16	<b>L</b> ) TFT CODE-RLF*	<b>4</b> ) 4.0"-11 BSP Male
	<b>5</b> ) DN100, PN16	<b>P</b> ) TFT CODE-RPF*	<b>9</b> ) Special
	<b>6</b> ) 3" NPT Female		

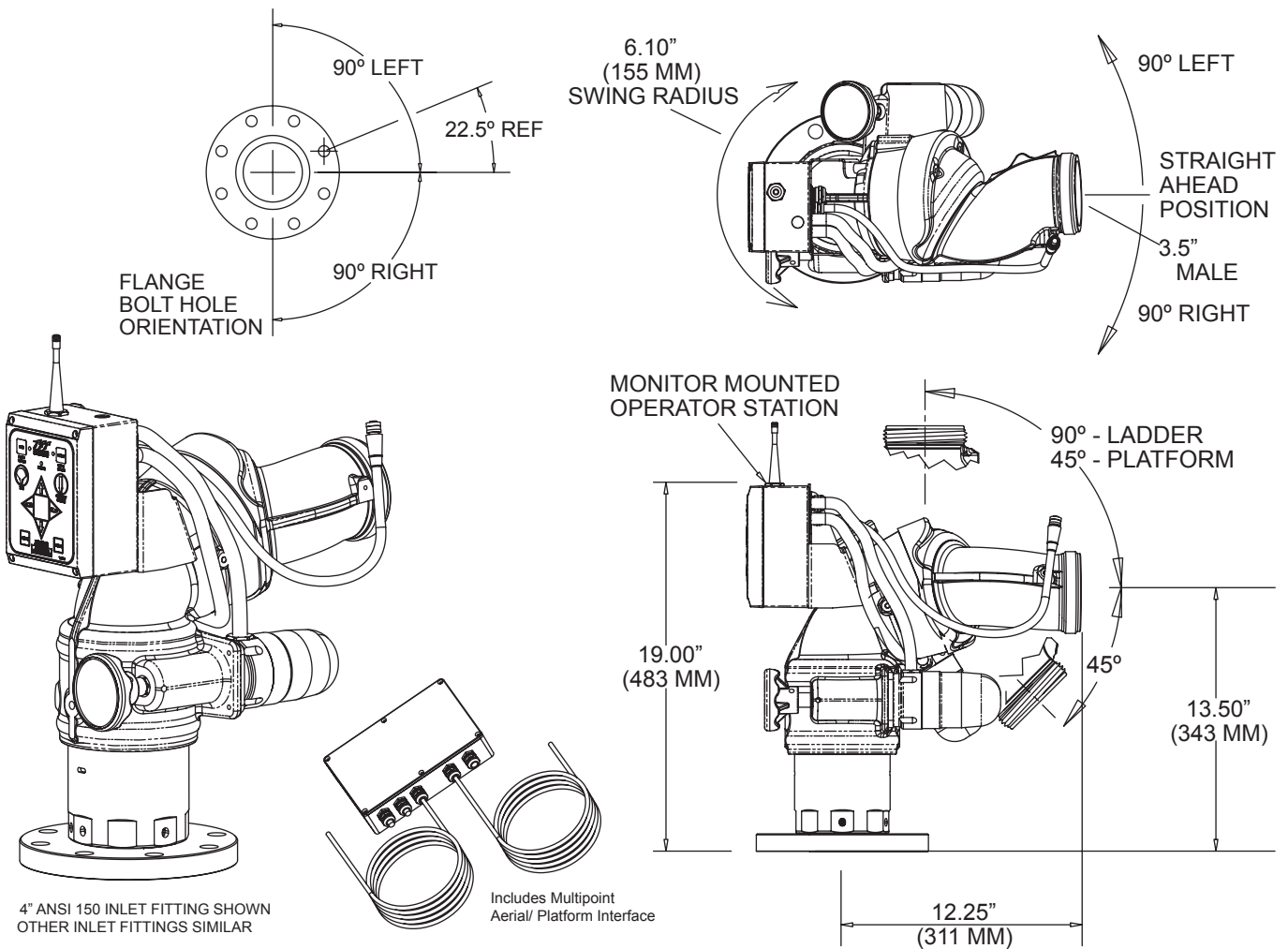
\*TFT CODE-RLF Fits Extend-A-Gun RC3

\*TFT CODE-RPF Fits Extend-A-Gun RC4

NH: National Hose threads per NFPA 1963 Edition 2003  
 NPSH: National Pipe Straight Hose threads per ANSI/ASME B1.20.7-1991 (R1998)  
 BSP: straight British Standard Pipe threads per ISO 228-1:1994 and ISO 228-2:1987  
 NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

## 2000 GPM Remote Controlled High Clearance Monitor Designed For Ladder and Tower Applications

The Monsoon RC for Ladder or Platform installations is similar to the standard Monsoon RC. This model of Monsoon RC has the control box mounted at the top to give a reduced swing radius, thereby giving more clearance for Ladder Truck or Platform Installations. Knobs for manual override are provided on the horizontal rotation and elevation drive. Also comes with factory installed travel stops to limit the horizontal travel to 180 degrees (90 degrees either side of a center position). Ladder and Platform models include an electronics enclosure and 10' of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module output. The Platform model's electronics enclosure contains an additional 10' of cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in PARK position and has contacts that can be connected into the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal nozzle pattern adjustments and programmable PARK and Oscillate. See pages 110 - 111 for additional control stations. RC Monitor delivered with wireless antenna installed. For wireless operation, purchase wireless operator station package on page 110.



Y4-E\*\*A\*  
37 lb (16.8 kg)



Y4-E

Inlet		Outlet
1) 3" ANSI 150	7) 4" NPT Female	1) 3.5"-6 NH Male
2) 4" ANSI 150	8) 3" BSP Male	2) 3.5"-11 BSP Male
3) 6" ANSI 150	9) 4" BSP Male	3) 3.5"-8 NPSH Male
4) DN80, PN16	L) TFT CODE-RLF	4) 4.0"-11 BSP Male
5) DN100, PN16	P) TFT CODE-RPF	9) Special
6) 3" NPT Female		

A

Configuration
-L) Ladder
-P) Platform

Example: Y4-E21A-L is an electric aluminum monitor for ladders with a 4" ANSI 150 flange inlet and 3-½ NH male threaded outlet.