

DATA SHEET

8593-02 Tiller Bar Monitor

Copperhead® manual monitors are rugged low-maintenance monitors designed for corrosive and non-corrosive environment applications. Each configuration of the Copperhead monitor has extremely low friction loss and, in conjunction with advanced Elkhart Brass nozzle technology, ensures optimal flow efficiency and stream reach. Copperhead monitors are FM Approved to the current edition of FM 1421 standard.



Nozzle sold separately.

Features

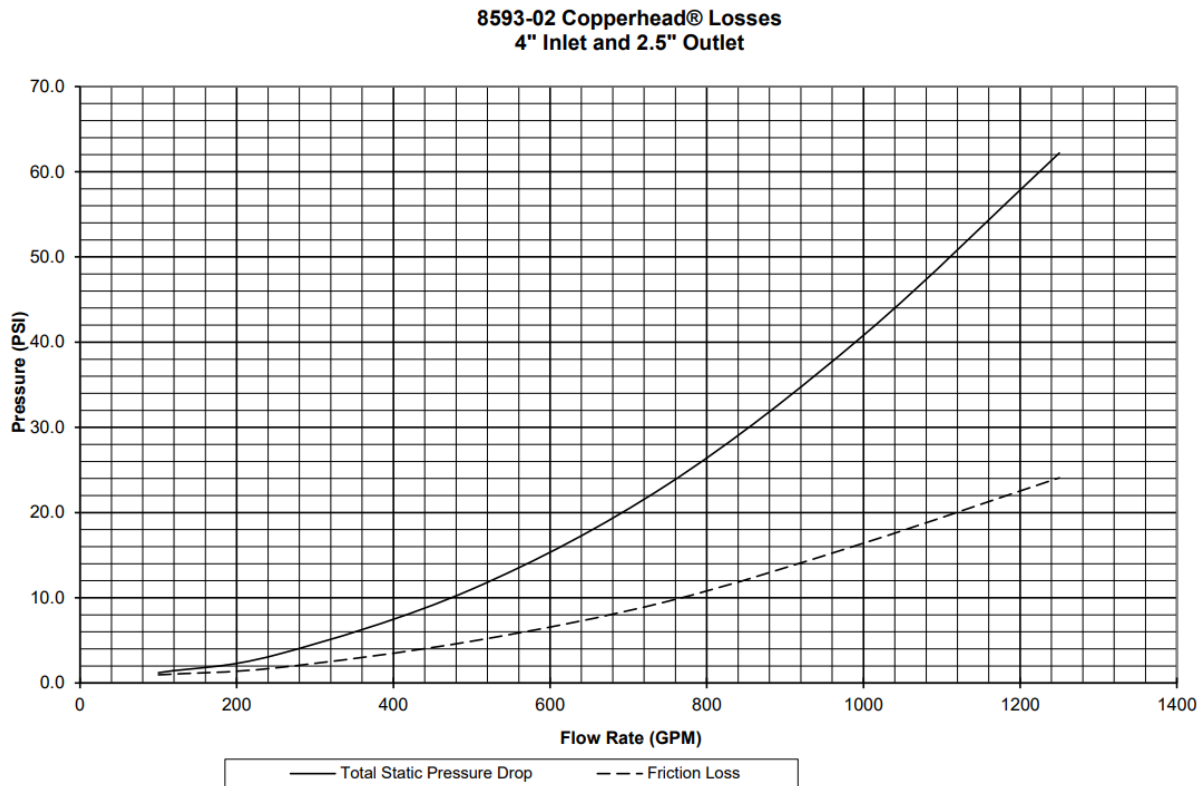
- 1250 gpm (4750 LPM) rated flow rate
- 200 psi (14 BAR) rated operating pressure
- -45° to +90° (135°) vertical travel
- 360° continuous horizontal travel
- Optional Drain valve
- Cast-in vanes for higher efficient flow
- Optional pressure gauge
- Positive brass T-handle locks furnished for both vertical and horizontal movements
- FM Approved for use with Elkhart Brass WPO-2000™ enables automatic horizontal oscillation without the need of electric control unit
- Rugged brass construction for use in corrosive environments and seawater applications

Nozzle	
	8593-02
Rated flow	1250 gpm (4750 LPM)
Operating pressure	200 psi (14 BAR)
Inlet options	3.0" or 4.0" flange FF or RF
Outlet size	2.5" NHT
Travel	-45° to +90° (135°) vertical travel 360° continuous horizontal travel
Controls	Tiller bar
Material	Brass construction – UNS-C83600
Weight	68 lbs. (30.8 kgs.)
Ambient temperature	-35° F - 250°F (-37° C - 121° C)
Certification	FM Approved - 1421, CE Mark
Pressure drop	Not to exceed 27 PSI @ 1000 GPM
Hydro static test pressure	500 PSI (34 bar)
Design pressure	800 PSI (55.2 bar) FM1421 standard

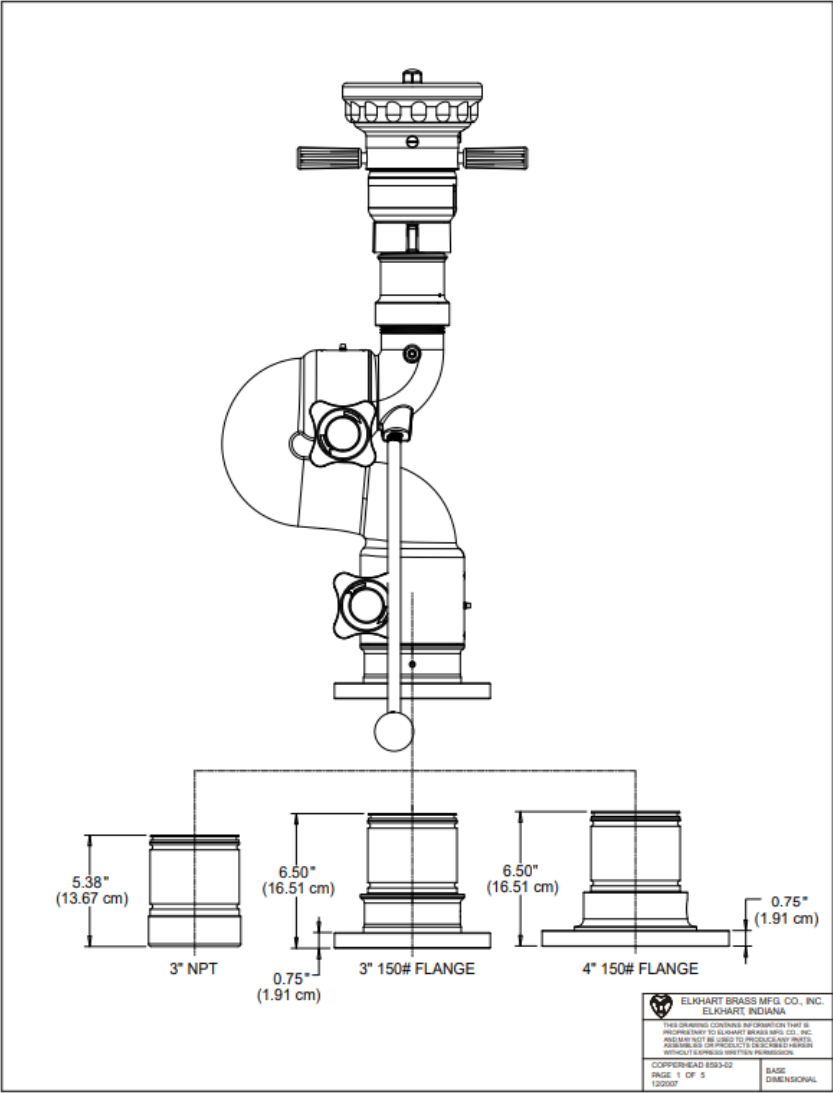
Specific features of the Copperhead include:

- Sealed grease bearings with a built-in, one way, pressure release
- Enclosed, stainless steel locking mechanism
- Efficient design creates the most cost effective brass monitor in its flow class
- Low friction loss due to 33/8" patented vaned elliptical waterway
- Small footprint — less than 15" wide and requires just 16' of clearance — makes it ideal for tight spaces

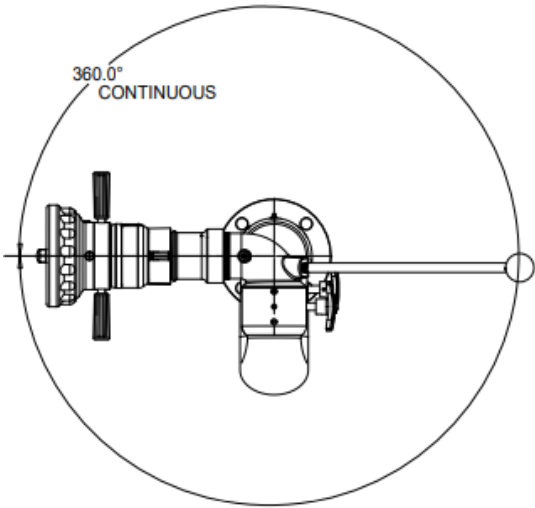
Pressure Loss



Dimensions (inches)

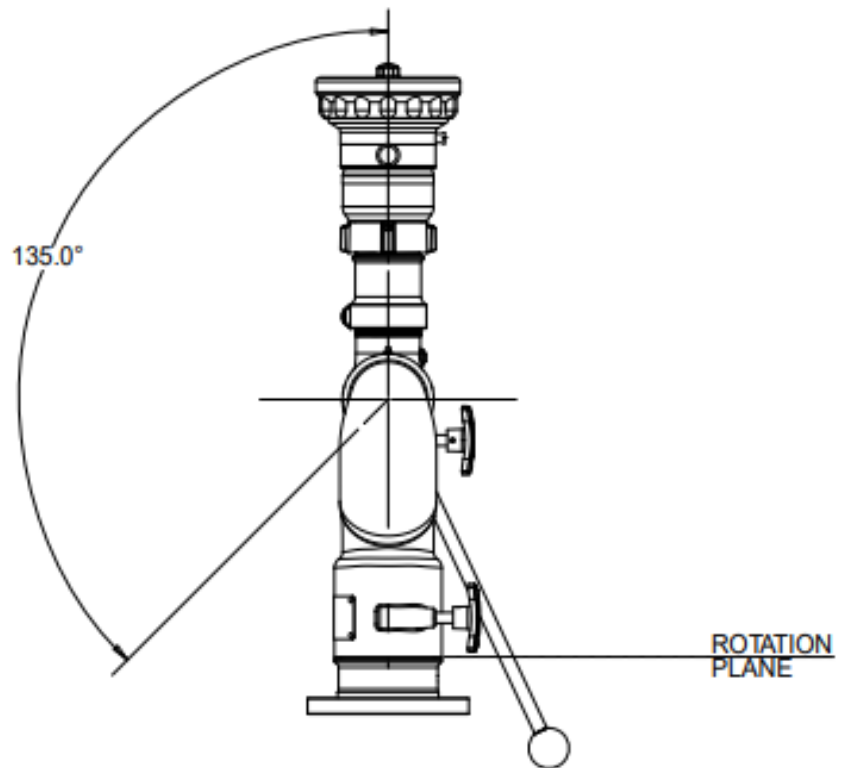
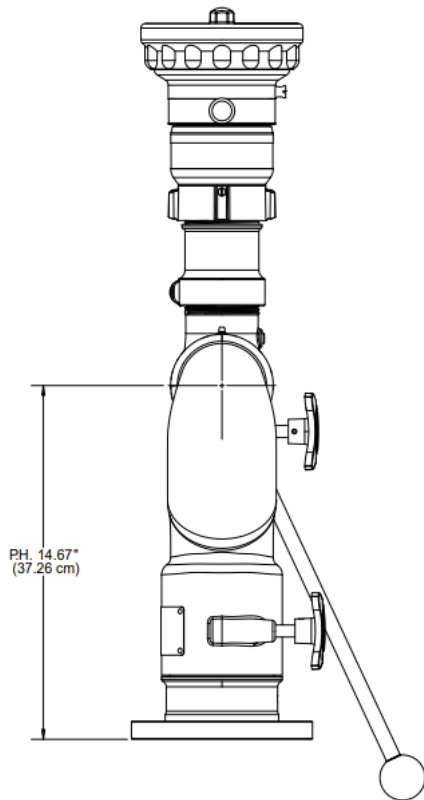
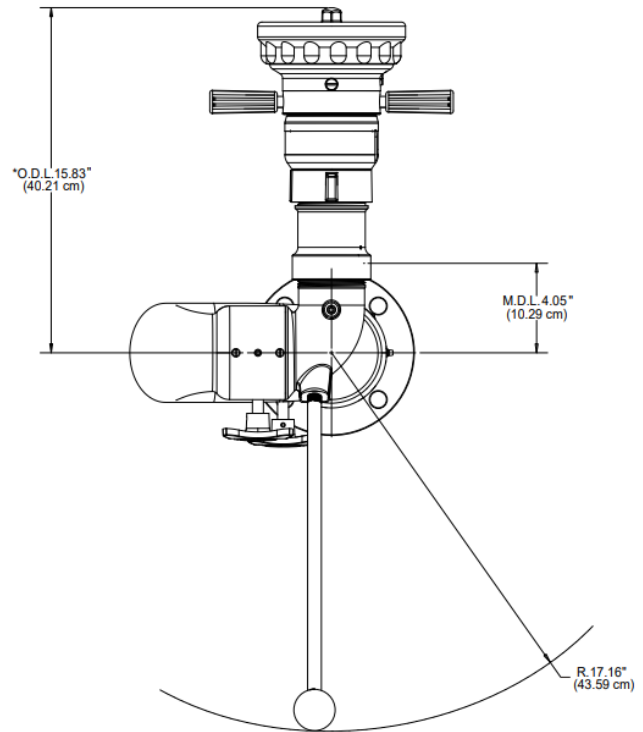
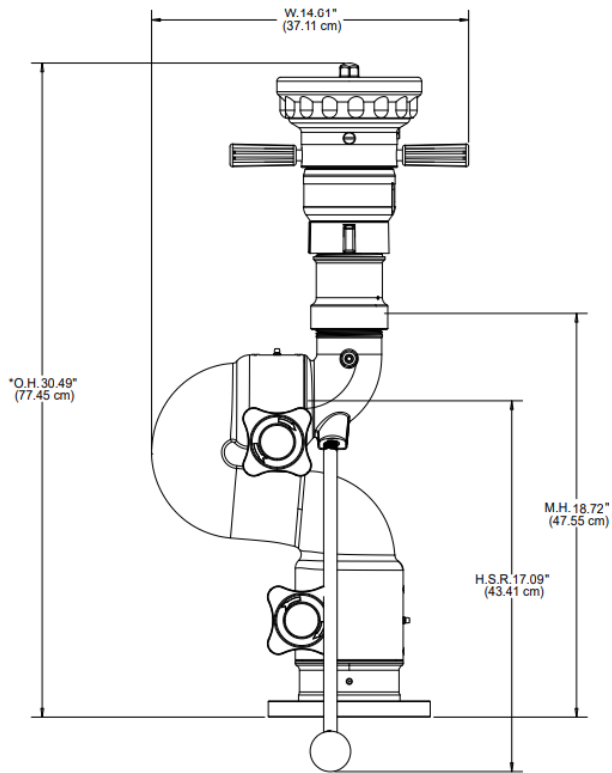


DIMENSIONAL ABBREVIATION KEY*



ABBREVIATION	DESCRIPTION
D.L.	Discharge Length
H.H.	Handle Height
H.S.R.	Handle Swing Radius
M.D.L.	Monitor Discharge Length
M.H.	Monitor Height
O.D.L.	Overall Discharge Length
O.H.	Overall Height
O.L.	Overall Length
P.H.	Pivot Height
P.R.	Pivot Radius
R.	Radius
S.D.H.	Stow Down Height
W.	Width

*Not all abbreviations will be used on every drawing



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