



STAND POST MONITOR GEARED SWIVEL



Stand post monitors are used in fire fighting for applying large quantity of water/foam from a distance onto the risk area. The monitors are normally installed onto stand posts, fitted onto the fire water network, or mounted on trailers/trolleys. Geared swivel joints allow operator to effortless change/adjust the position of the monitor using hand wheels, if required.

Brief Description: USAFE Stand post monitor, nominal waterway size 63mm, in different flow capacity. The monitor shall be constructed of M.S. pipes/ bends, Gunmetal Swivel Joints (Geared) with Hand wheels, have suitable inlet flange and nozzle of specified type & capacity. Monitor shall give good hydraulic performance and range.

1.0 GENERAL DATA

1.1	Make	USAFE
1.2	Model	Stand post Monitor, Geared Swivel (63 mm Waterway)
1.3	Inlet	Flanged - 75 NB IS:1538/ ANSI B16.5 150#
1.4	Outlet	Threaded Outlet matching to Nozzle
1.5	Material of Construction	Carbon Steel/Gun Metal

2.0 MATERIAL OF CONSTRUCTION

2.1	Base Flange	Carbon (Mild) Steel IS:2062 /IS:2004 (ASTM A 105)
2.2	Water barrel (pipe)	Carbon (Mild) Steel IS1239 Part-1 Seamless (ASTM A 106 Gr. B)
2.3	Swivel Joint	GM IS: 318 LTB-2
2.4	Bends	Carbon (Mild) Steel IS: 4310
2.5	Hand wheel	SS304 IS: 3444 Gr. I
2.6	Nozzle	Alu. IS: 617/ Gunmetal IS: 318 LTB-2/ SS304/316 IS: 3444 Gr. I/IV

3.0 TESTING AND QUALITY CONTROL

3.1	Dimensional check	See drawing below
3.2	Hydrostatic Pressure Test	25 kgf/cm ² for 2.5 minutes (Monitor only)
3.3	Performance Requirements	<u>Flow test with monitor at 30°, in still wind conditions</u> With USAFE 2.5" Super Stream Nozzle: Flow 1800 lpm (min) at 7 kg/cm ² , Range 54 Mtrs (min)

4.0 OPERATIONAL/ TECHNICAL DATA

4.1	Working pressure	5 to 14 Kg/cm ²
4.2	Manoeuvrability	+90°/ -45° in vertical plane, 360° in horizontal plane

5.0 FINISH

5.1	Body	Hot Dip Galvanized, painted Fire Red Color IS: 5 Shade No 536
5.2	Hand wheel	Painted Black Paint
5.3	Nozzle	Polished

Manufactured by

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