

**IFP-FIRESTORM**

**Description**

The monitor Model - IFP FIRESTORM is durable manual controlled monitor for fixed installation. The monitor is generally used for protection of flammable liquid storage tanks, loading racks, dykes marine and many other Industrial applications.

The Monitor possess several design features that provides ease of operation, minimum maintenance and resistance to normally destructive environments. The monitor fitted with Water Foam Nozzle.

The monitor has welded carbon steel water way. All steel parts are hot dip galvanized and painted for excellent corrosion resistance. The vertical and horizontal rotation is through corrosion resistant bronze swiveling joint with double row of stainless steel ball bearing. Both vertical and horizontal movements are controlled with handle with twist lock.

The monitor has large flow capability and can be manually operated by a single fire fighter. The design ensures to prevent jet reaction forces from effecting the horizontal and the vertical position of the monitor. The monitor has the ability for 360 deg. continuous horizontal rotation and angle of elevation is adjustable with fix stop from +90 deg. above horizontal to -45 deg. below horizontal.

The water vane in discharge tube reduces the turbulence and friction loss, thus increasing the nozzle performance to achieve greater range. To ensure desired performance, the friction loss through monitor must be considered while selecting the nozzle and the flow through the monitor with reference to available base pressure at inlet of the monitor. For flow and jet reach data refer table.



**Horizontal Throw Foam cum Water Monitor**

Part Number	Monitor Size	Flow (LPM)	Horizontal Throw (water) mtrs	Horizontal Throw (Foam) mtrs
401053	63	1750	53	45
401054	75	2580	60	50
401055	100	3500	64	55

**Note:**

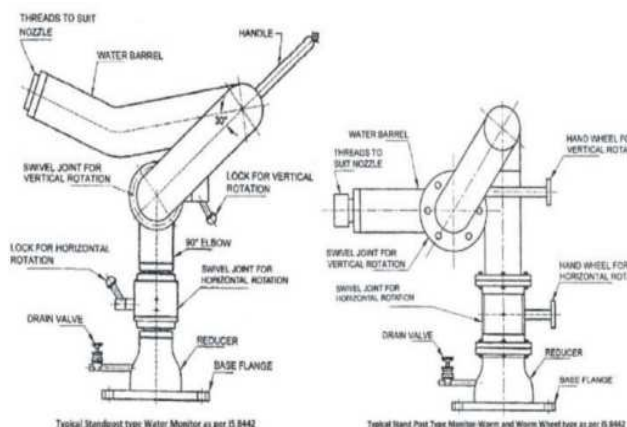
Horizontal Straight Stream range is in still air with nozzle elevation at 30° to inlet flange at 1 to 1.5 meters above ground level and at 7 kg./ Sq.cm. nozzle pressure.

**Approval** - BIS marked as per IS: 8442.



## Materials of Construction

Parameters	Material
<b>Model</b>	IFPFIRESTORM1750(WFM) IFPFIRESTORM2580(WFM) IFPFIRESTORM3500(WFM)
<b>Base Flange</b>	Mild Steel ,IS 2062/ Stainless Steel
<b>Drain Valve</b>	Stainless Steel / Copper Alloy
<b>Swivel Joint</b>	Gun Metal LTB-2 IS:318
<b>Lock Nut</b>	Brass IS:291
<b>Handle</b>	Mild Steel IS:1732
<b>Water Barrel</b>	Mild Steel IS:11428
<b>Nozzle</b>	Aluminum Alloy



## Technical Data (±5%)

Model	IFP FIRESTORM 1750(WFM)	IFP FIRESTORM 2580(WFM)	IFP FIRESTORM 3500(WFM)
<b>Part Number</b>	401053	401054	401055
<b>Maximum rated</b>	12bar(175psi)	12bar(175psi)	12bar(175psi)
<b>Nominal waterway</b>	63mm	75mm	100 mm
<b>Size</b>	63mm	75mm	100 mm
<b>Flow at 7kg/cm<sup>2</sup> pressure(min)</b>	1750lpm	2580lpm	3500lpm
<b>BIS Hydrostatic Test Pressure</b>	23 kg /cm <sup>2</sup>	23 kg /cm <sup>2</sup>	23 kg/cm <sup>2</sup>
<b>Inlet flange size</b>	80NB/100NB	100NB	100NB/150NB
<b>Nozzle</b>	Water Foam Nozzle	Water Foam Nozzle	Water Foam Nozzle
<b>Colour</b>	Fire Red Shade 536 of IS 5 : 1961 painted from outside	Fire Red Shade 536 of IS 5 : 1961 painted from outside	Fire Red Shade 536 of IS 5 : 1961 painted from outside
<b>Horizontal rotation</b>	360Deg.continuous	360Deg.continuous	360Deg.continuous
<b>Approval</b>	BIS marked	BIS marked	BIS marked

## Ordering Information

Part Number	Model
401053	IFP FIRESTORM 1750(WFM)
401054	IFP FIRESTORM 2580(WFM)
401055	IFP FIRESTORM 3500(WFM)

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