

WATER MONITOR

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 solid bore straight stream 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 Straight Stream

Part Number	Monitor Size	Flow in lpm	Water Jet in metre
401050	63	1750	53
401051	75	2580	60
401052	100	3500	64

Note:

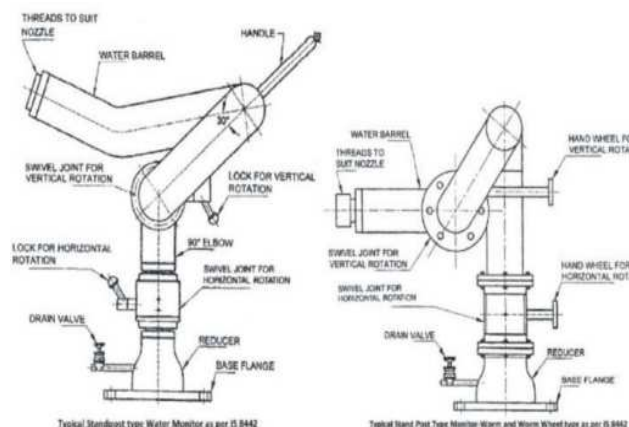
Horizontal Straight Stream range is in still air with nozzle elevation at 30° to inlet flange at 1 to 1.5 meters above ground level and at 7 kg./ Sq.cm. nozzle pressure.

Approval

BIS marked as per IS:8442

Materials of Construction

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



Technical Data(±5%)

Model	IFPFIRESTORM1750	IFPFIRESTORM2580	IFPFIRESTORM3500
Part Number	401050	401051	401052
Maximum rated	12bar(175psi)	12bar(175psi)	12bar(175psi)
Nominal waterway	63mm	75mm	100 mm
Size	63mm	75mm	100 mm
Flow at 7kg/cm² pressure	1750lpm	2580lpm	3500lpm
BIS Hydrostatic Test Pressure	23kg /cm ²	23kg /cm ²	23kg/cm ²
Inlet flange size	80NB/100NB	100NB	100NB/150NB
Nozzle	Straight stream nozzle/Jet-Spray nozzle	Straight stream nozzle	Straight stream nozzle
Colour	Fire Red Shade 536 of IS5: 1961 painted from outside	Fire Red Shade 536 of IS5: 1961 painted from outside	Fire Red Shade 536 of IS5: 1961 painted from outside
Horizontal rotation	360Deg.continuous	360Deg.continuous	360Deg.continuous
Approval	BIS marked	BIS marked	BIS marked

Ordering Information

Part Number	Model	Weight(kg)
401050	IFPFIRESTORM1750	30
401051	IFPFIRESTORM2580	40
401052	IFPFIRESTORM3500	69

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