



WATER MONITOR - M SERIES

TECHNICAL DATA :

MODEL	M 211 & M 214 for 63 NB M 311 & M 314 for 80 NB M 411 & M 414 for 100NB
RATED PRESSURE	12.3 Kg/sq.cm. (175 PSI)
NOMINAL WATERWAY SIZE	63NB, 80NB & 100 NB with hot dip galvanised Steel or S S material
FLOW AT 7KG/SQ.CM PRESSURE	63NB - Upto 2250 LPM 80NB - Upto 3000 LPM 100NB - Upto 3800 LPM
FACTORY HYDROSTATIC TEST PRESSURE	25Kg./sq.cm.
SWIVEL JOINT	Bronze IS 318 / ASTM B62 or Stainless Steel optional
NOZZLE THRUST REACTION IN KG.	Flow in LPM X ? Pressure in Kg./sq.cm. X 0.0228
SWIVEL JOINT	Stainless Steel Ball Bearing Type
INLET FLANGE SIZE	MONITOR FLANGE SIZE SIZE 63NB - 100 NB 80NB - 100 NB 100NB - 100 NB / 150 NB Flange dimension ANSI B16.5 #150
MONITOR ELEVATION	90 Deg. above horizontal 60 Deg. below horizontal
ROTATION	360 Deg. continuous
WEIGHT	63mm -30 Kgs. 75mm -39 Kgs. 100mm -65 Kgs.
FINISH ORDERING INFORMATION	Fire Red Please specify : Size, Nozzle material and flange size.

LIFECO Standard manually operated Water Monitor, Model-M is provided with manual rotation lock and a handle for easy horizontal and vertical rotation. The Monitor is made out of steel pipe and pipe fittings or stainless steel construction. The swivelling joint for horizontal and vertical rotation are ball bearing type and are made out of bronze material. All the steel parts are hot dip galvanised after fabrication.

Model M 211, M 311 & M 411 are with hot dip galvanised carbon steel waterway and Model M 214, M 314 & M 414 are with stainless steel waterway.

The monitor has large flow capacity, long range capability and can be manually operated by a single fire fighter.

The water vanes in discharge tube reduces the turbulence and friction loss, thus increasing the nozzle performance to achieve greater range.

INSTALLATION, TESTING & MAINTENANCE

The monitor must be installed and operated carefully by a trained person, having good knowledge of equipment. Before assembly of the monitor to the supply piping, flush thoroughly the piping with water to avoid sand, residue, welding slag or other debris hindering the proper functioning of the monitor.

After few initial successful tests, an authorised person must be trained to perform the inspection and testing of the monitor.

The monitor should be ready for use. To achieve this condition, scheduled inspection and maintenance operation should be performed and it must be recorded in the maintenance register book indicating the requirement or recommendation. The recommended maintenance, procedure must be followed as given in the manual and also as per the local authority having jurisdiction.

It is recommended to carry out weekly physical inspection of the monitor. The inspection should verify that no damage has taken place to any component and the monitor is ready for use.

Carry out functional test every month for the flow, regular rotation in horizontal and vertical plane for the entire operating angle to observe any leakage. At least once in three months proper greasing through grease nipple provided on bearing, worm wheel and worm shaft must be ensured. Each monitor must be operated with the full flow in accordance to the guidelines of the organisation having local jurisdiction.

The owner is responsible for maintaining the equipment in proper operating condition.

