

SECTION FOUR B – HOME OFFICE PATTERN GROUND MONITOR

DESCRIPTION

The Home Office Pattern Ground Monitor is made from cast aluminium alloy with a single male instantaneous inlet.

A 'Streamform' Branch mounted directly on a ball valve swivel secured by a locking ring permits the positions of the jet to be adjusted when the Monitor is in operation.

The unit is mounted on an integral base and a carrying handle is provided.

Nozzles of various sizes can be used with the monitor.

USE

The monitor is to be used where delivery of a water jet is required from a position of danger, due for example to the risk of explosion, or collapsing walls.

The monitor may also be used for the prolonged delivery of large quantities of water where it may be left unsupervised.

ISSUE AND LOCATION

2 monitors at Shrewsbury on the heavy pumping unit.

OPERATING INSTRUCTIONS

WATER SUPPLY – SINGLE LINE

A single line of hose can be connected directly to the male instantaneous inlet on the Monitor.

The female instantaneous connector on the supply hose line should be positioned so that the lugs are in a horizontal position, thus maintaining the stability of the Monitor and allowing for ease of disconnection.

WATER SUPPLY – TWIN LINE

The Monitor will normally be fed from a twin line supply.

The twin lines must be connected to the Monitor via the one metre length of hose and collecting breeching carried with each unit.

UNDER NO CIRCUMSTANCES MUST THE COLLECTING BREECHING BE CONNECTED DIRECTLY TO THE MONITOR INLET

The twin lug connectors on the female instantaneous coupling from the one metre short length of hose should be positioned horizontally.

ADJUSTMENT

The direction of the jet can be adjusted by unscrewing the locking ring on the body of the monitor and repositioning the Branch as necessary. The locking ring should then be re-tightened.

CARE SHOULD BE TAKEN NOT TO SLACKEN THE LOCKING RING MORE THAN IS NECESSARY TO PERMIT ADJUSTMENT

MAINTENANCE AND TESTING

Ground Monitors should be tested:

- On Acceptance
- After Use
- Quarterly
- On such other occasions as deemed necessary by the Watch/Station Commander.

The Monitor should be subjected to a thorough visual examination. Particular attention should be paid to the male inlet coupling at the right angle change of direction at the base of the rim which engages the plungers of the female coupling. The purpose of this examination is to identify the presence of any cracks or other significant mechanical damage which may affect the integrity of that part of the monitor.

The Monitor nozzles should be examined to ensure that they are free from indentations which would cause a jet to feather or break up.

The condition of the collecting breeching and short length of hose should be checked paying particular attention to the condition of washers, lugs, plungers and other moving parts.

The Monitor should then be put to work and checked to ensure that it is operating correctly. The locking ring and adjustment mechanism should be tested for correct operation under pressure.

Results of standard tests should be recorded on Form **FB90 - Non Mobile and Spare Equipment Due for Quarterly Standard Test**. Any defects should be reported to Technical Services.

TECHNICAL DATA

Weight:	17kg.
Maximum Flow:	1350 lpm.
Maximum Pressure:	10 bar.
Vertical Adjustment:	50° maximum.
Horizontal Adjustment:	50° ARC.
Construction:	Aluminium.