

OMM1

Oscillating Monitor

- Exceptional operational reliability
- Long life and maintenance free
- Water powered oscillation



(nozzle shown, Hi-Combat 823-BC, not included)

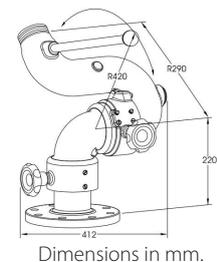
The OMM1 is the oscillating MM1 monitor, designed for onshore use at operating pressures between 5 and 14 bar g.

Fabricated in corrosion resistant gunmetal this monitor is ideally suited to water cooling and both aspirated and non-aspirated foam applications, when fitted with a suitable water nozzle, or foam cannon. It is also a highly attractive monitor for mounting hydrant elbows. A highly efficient pelton wheel water motor uses small quantities of fire main water to provide power for automatic oscillation. The OMM1 will therefore operate automatically, immediately after start up of the fire pump and requires no secondary (electric) power source.

The totally enclosed gearbox has the choice of 4 fixed sweep points, which can be set at either 45°, 65°, 85° or 110°. Oscillating speed is adjustable, up to a maximum of 8 cycles per minute @7 bar g.

The single 75mm (3") waterway-design is capable of maximum flows up to 4500 litres/min and built-in flow straighteners provide optimum hydraulic efficiency.

The monitor is capable of full 360° rotation with generous elevational movement covering 85° above and 50° below horizontal. Separate friction locks will maintain the monitor position, once set for prolonged unattended operation.



Smooth movement is provided by a double row of bearings at each rotating joint with precise adjustment controlled by a stainless steel positioning handle.

Recommended for use with Angus LTN or High Combat Monitor nozzles and cannons, see separate data sheets for details.

Specification

Operating pressure	Min: 5 bar g (70psi), Max: 14 bar g (215psi)
Monitor test pressure	22.5 bar g (325psi) (monitor only)
Maximum flow	4,500 litres/min
Inlet flange connection	4" ANSI Class 150 FF (alternatives to special order)
Outlet connections	2½" BSP Male (alternatives to special order)
Monitor body	Gunmetal LG2 to BS EN 1982
Bearings	316 Stainless Steel
Approx. weight (without nozzle/cannon)	71 kg
Flow rate through pelton wheel at 7 bar g (100psi)	45 litres/min
Oscillating speed control	Brass valve (externally accessible)
Test connection	3/4" BSP
Approx. dimensions depending on configuration	H 857mm x W 412mm x D 635mm