



OM-2000

Description

FLAMEOUT Water-Powered Oscillating Monitors are designed to automatically oscillate over a preset arc upon system activation, allowing discharge over a wide design area without manual intervention or the use of electrical power. This device is intended for use in firefighting foam systems designed in accordance with NFPA 11, NFPA 409, and/or NFPA 418, typically found in high-risk areas such as bullet spheres, rail tank car loading platforms, tank farm facilities, refineries, aircraft hangars, and heliports.

Features

The FLAMEOUT OM-1250 AND OM-2000 water-powered oscillating units have been designed over 30 years ago for use with any 3, 4, or 6" in. ANSI Class 150 flange inlet connection. The monitor is completely self-contained and requires no adaptor flange like other units.

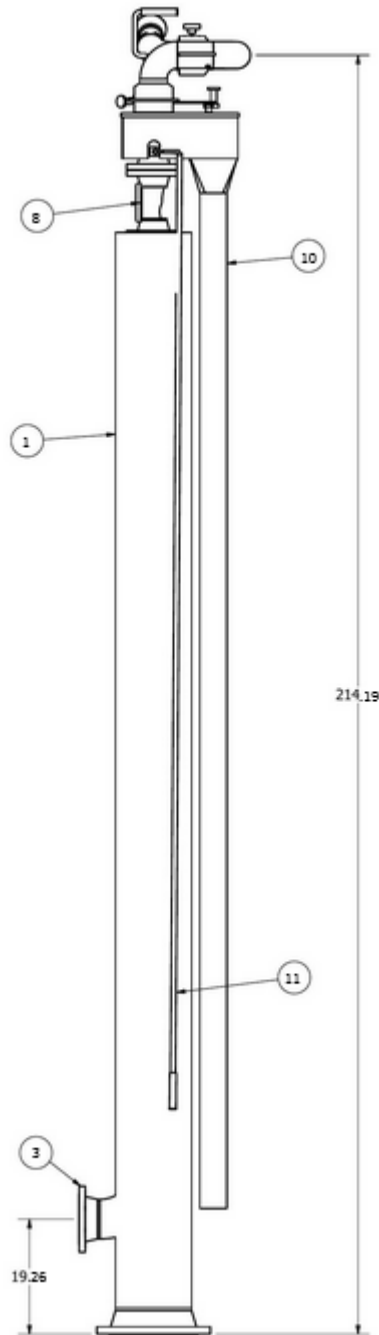
The heavy-duty stainless steel swivel bearing and all stainless steel design of the monitor provide exceptional durability and corrosion-resistance for applications requiring long, continuous or repeated use in normal and harsh environments. It will not wear in the swivel joints like brass or bronze units

The innovative swivel bearing lock ring design (patent pending) allows for easy field adjustment in any direction without unbolting the monitor. In other words, under full flow conditions, the monitor can be directed in any 360 degree risk and still oscillate.

- The OM-1250 AND OM-2000 have been tested to FM standards and can use any nozzle with and NH connection
- Materials of construction:
 - 316 Stainless Steel: waterway, bearings, main body, connection flanges, linkage assembly, oscillator housings
 - Bronze: Water drive wheel, speed control valve, automatic drain valve
- Suitable for use with all foam solutions.
- Drain valve automatically drains oscillator base piping after system shutoff to help provide cold weather protection.
- Arc of oscillation adjustable with unlimited set points
 - 0° - 130°
- Speed of oscillation is adjustable using the speed adjustment valve. Maximum speed is approximately 40 deg/sec. Speed may vary when switching from water flow to foam solution flow at same valve adjustment setting.
- Manual override capabilities in horizontal and vertical degree fields
- Operating inlet pressure: Minimum 30 psi (2.8 bar), Maximum 200 psi (14 bar)
- Maximum flow rate 1250 gpm and 2000 gpm
- Double reduction oil bath gearbox.
- Standard grease zerks fittings for easy maintenance.
- Single tiller bar for positioning and control of the monitor.

Specifications

A water drive wheel connected to a double reduction gearbox drives the oscillating monitor. To operate the drive wheel, a small flow, not exceeding 13 gpm (49 Lpm) at maximum recommended oscillation speed, is diverted from the monitor inlet. The monitor requires no external wiring or hydraulic control for operation. The vertical angle of elevation and horizontal arc of oscillation are field adjustable and can be set and locked in position. The monitor can be set to oscillate over a range of 0° to 120° and the location of the oscillation arc may be set anywhere within the 360° field of operation. Elevation range of the unit is between +85° and -80° (for elevated towers). The FLAMEOUT OM-1250 AND OM-2000 unit is available in three different configurations.



Elevated Oscillating Tower