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Monitor
Water Powered Oscillating Unit
Part No. CWPOUBF

DESCRIPTION

The Chemguard water powered oscillating mechanism is designed to be placed between a flanged/valved outlet and an existing or new owner supplied monitor. The assembly will then automatically discharge foam/water over a specific area upon system operation. It is suitable for use in high risk areas such as tank farm facilities, process areas and loading racks.

The oscillating mechanism is driven by a water drive wheel driving a double reduction gearbox. To operate the water drive wheel, a small quantity of water/foam solution is diverted from the monitor inlet. The unit requires no external wiring or hydraulic control for operation. The water drive wheel design is unique in that the flow of water/foam solution does not require a filtering process. This makes the oscillating mechanism more reliable and less likely to fail.

The unit is suitable for use with any monitor adapted to fit a 4" flange. The monitor can then be fitted with either an air-aspirating foam nozzle or a non air-aspirating type with flows up to 1250 gpm. (4732 lpm) at 100 psi (7bar).

The monitor can be set to oscillate over a range of 0-120 degrees and the oscillation arc can be set anywhere within the 360 degree field of operation. Elevation range of the unit is between +80/-40 degrees.

SPECIFICATION

The oscillating unit shall be completely self contained requiring no outside electrical connections or hydraulic controls to ensure correct operation. The oscillating mechanism shall be driven by a water drive wheel and the water/foam solution for operation of the oscillating mechanism shall not require filtering. The monitor and body of the oscillating unit shall be manufactured of brass. The water drive wheel is bronze with bronze supply gate valve.

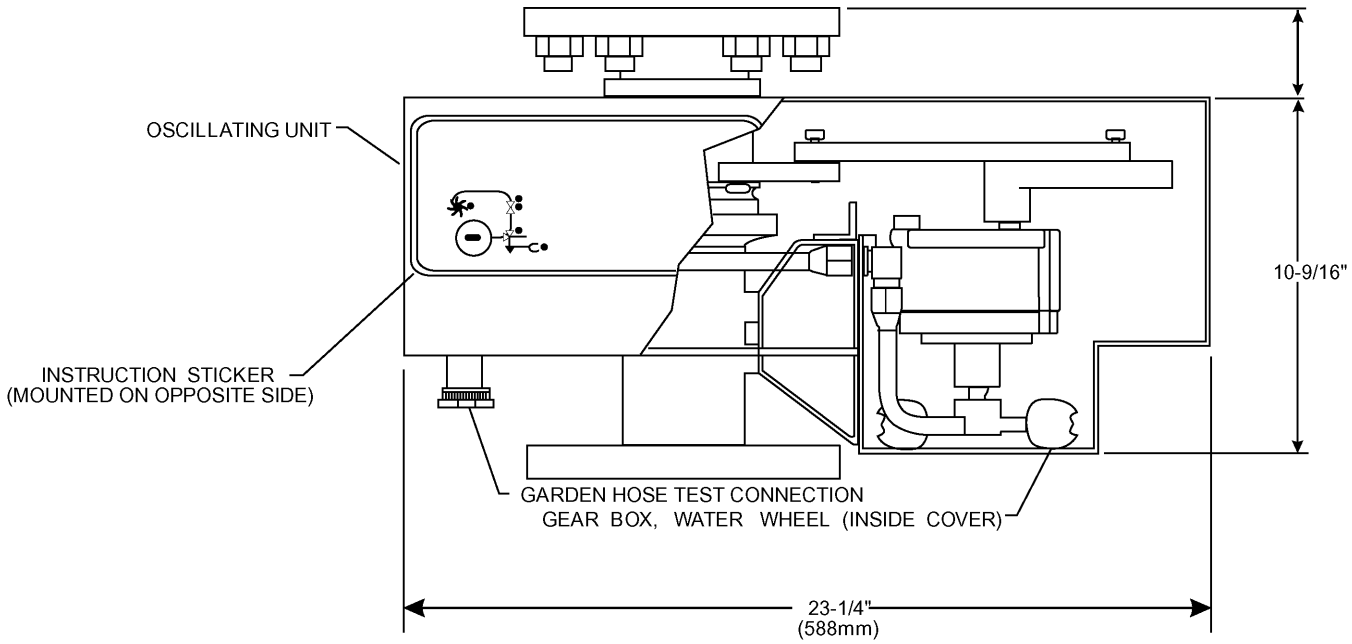
FEATURES

- Unique water drive wheel design
- Arc of oscillation adjustable via six set points
- Speed adjustable for 0 - 30° /sec. (24 degrees/sec. @ 100 psi
- Manual override capability with 360° continuous rotation
- Minimum operating pressure 50 psi (3.5 Bar)
- Maximum operating pressure 200 psi (14 Bar)
- Monitor inlet 4" (100 mm) 150 lbs. F.F. brass flange with 4" (100mm) 150 lbs. F.F. flange outlet
- Flow of water/foam solution through water drive wheel at 50 psi (3.5 bar) 5 gpm (19 lpm) 100 psi (7Bar) 10 gpm (38 lpm)
- Double reduction gearbox has an oil bath. Grease fitting and two rows of stainless steel ball bearings at all rotation joints on unit
- All brass and stainless steel construction
- Unit equipped with a garden hose test connection. This allows functional check of the oscillating mechanism without system flow

ORDERING INFORMATION

MODEL

CWPOUBF Oscillating Mechanism
(Does not include monitor or nozzle)
Shipping Weight 75 lbs.



BETWEEN FLANGE WATER POWERED OSCILLATING UNIT

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