

Condensate Management and Distribution System

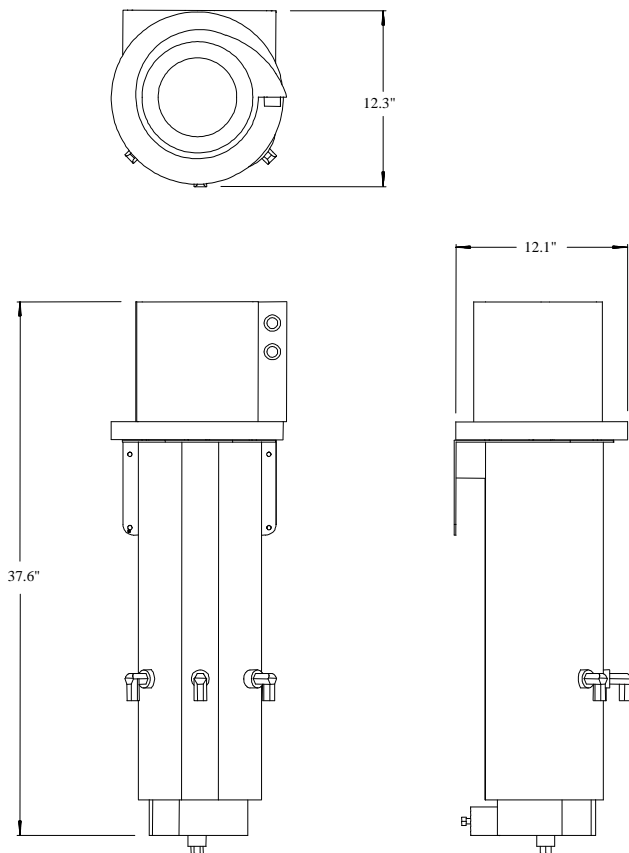
Part Number: 3044377

All oil/water separators are designed to process condensate based on an average hourly flow rate; yet, the amount of condensate destined for separation changes every hour. This is due to changes in the climatic conditions (temperature and humidity) and actual air demands (cfm) in an air system.

For example, a gravity type separation system does not have a way to control large volumes of incoming condensate. This event can occur with discharges from large capacity drains, or when multiple drains discharge simultaneously. The Equalizer meters the liquid, allows for additional residence time, and assists in solids removal.

An Evaporative type separation system has no method for evacuating the compressed air that is released from the timer drains before entering the boiling chamber. Nothing stops the blast of air from carrying the oily mist out the water vapor outlet. The Equalizer eliminates these problems.

The Equalizer was designed to provide the balance that a condensate separation system needs. First, condensation enters the Equalizer through a tangential inlet whose purpose is to automatically slow down the velocity of the condensate through cyclonic action. A vent filter reduces misting as wasted compressed air is exhausted, while a liquid seal prevents pressurizing the reservoir. Second, gravity gently draws the depressurized condensate into the collection and storage vessel where the solids drop out and the liquid is allowed to accumulate. Third, the stored condensate is automatically metered at a controlled flow rate to the awaiting separator.



Features

- *Meters Condensate*
- *Equalizes Flow Rate*
- *Prevents Separator Overload*
- *Designed for System Expansion*
- *Improves the Operation of ALL OWS*
- *Handles In-Rush from Multiple Drains*
- *Ideal for Large Capacity Level Drains*
- *Maximizes Life of Carbon Elements*
- *Balances up to 3 Oil/Water Separators*
- *Solves Evaporator "blow-thru" Problems*
- *Automatically Manages Condensate Volume*

With the Equalizer, you now have the ability to install one device that will efficiently manage the incoming condensate from any type of drain system. Using the Equalizer to manage and balance your condensate load will improve the efficiency of your condensate separation system.

Specifications:

Inlets: 1/2" NPT (2)
Outlets: 1/2" NPT (3)
Working Capacity: 2.4 Gallons

Materials:

Mounting Bracket: Aluminum
Diffuser Housing: Polyethylene
Reservoir: Polyethylene