

# Biodiesel Solutions



Biodiesel is a renewable and environmentally friendly alternative to conventional diesel fuel that can be produced from a variety of feedstocks. The most common feedstocks used for biodiesel production are vegetable oils, animal fats, and used cooking oils. The process of converting these feedstocks into biodiesel involves a chemical reaction known as transesterification. Below are system functions and chemical solutions Hydrite provides to the biodiesel industry:

## Feedstock Pretreatment

- Phosphoric Acid (food-grade and technical-grade)
- Sulfuric Acid
- Caustic (NaOH)

## Process Chemicals

- Acetic Acid (glacial, recovered, intermediate)
- Citric Acid (food grade and technical grade)
- Recovered Methanol
- Polysorbate 80

## Dissolved Air Flotation (DAF) + Water Treatment

- Polymers: Cationic, Anionic, GRAS, Liquid, Dry
- Coagulants: Inorganic, Organic, Specialty Blends
- Acid and Alkaline pH Control

## Utility Chemicals

- Boiler Chemicals
- Cooling Tower Chemicals
- Closed Loop Chemicals
- RO Chemicals

## Cleaners

- Column Cleaner: Fixed and Loose Packing in Situ CIP
- General Cleaner: Internal and External Equipment, De-greaser, Film Remover

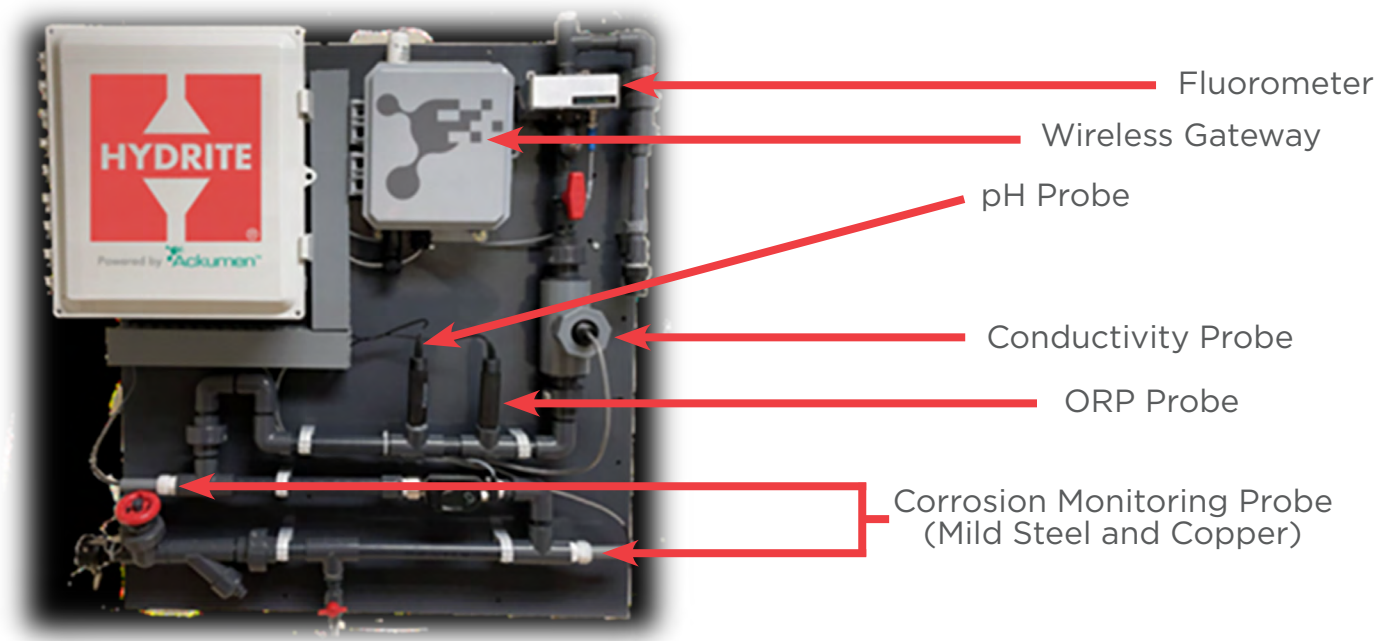
## Odor Control

- Peracetic Acid (PAA)

# Ackumen Cooling System

Staying ahead of cooling water system corrosion, scale and microbiological fouling has never been easy. Hidden problems can mean costly shutdowns, serious health risks and compliance violations. Even today, with conventional sensors and manual testing, you can get too much data and not enough meaningful insight.

Ackumen Cooling Management is a new comprehensive solution that combines our advanced chemistries with 24/7 expert monitoring to deliver actionable insights you need, when you need them. With Ackumen, you can dramatically simplify cooling water management and optimize performance around the clock.



## FOR MORE INFORMATION:

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