OZONE WATER SYSTEMS
Quality. Pure and Simple.

Dairy Farms

Dairy farms raise cows to produce milk and make milk products like cheese, ice cream, butter and whipping cream. There are about 51,000 dairy farms in the United States that produce 21 billion gallons of milk each year. A high producing dairy cow can drink up to 50 gallons of water per day. This means that a dairy farm with 3,500 head of cattle needs 175,000 gallons of water per day for just drinking. In total this farm will use about 1 million gallons of water per day for drinking, sanitation and keeping the cows cool in the summer.

Water is the nutrient required in the largest quantity for dairy cattle and minerals like iron can affect the taste of water. Cows like to drink clean water so things like high mineral levels or hydrogen sulfide will cause cows to drink less water and will reduce the level of milk production for the farm. Most dairy farms get their water from ground wells and this is the perfect application for ozone because ozone can oxidize the minerals and remove them from the water. A combination of ozone and filtration will ensure that cows have high quality drinking water and will result in a measurable increase in milk production.

A safe water supply is essential for healthy livestock. Bacteria in the water can lead to illness in cows and contaminated water can affect growth, reproduction, and productivity. Contaminated water supplies for livestock can also contaminate human drinking water. For these reasons, farm water supplies should be protected against contamination. Ozone purification of drinking water has resulted in a meaningful drop in the mortality rates on chicken and pig farms and can have similar results for dairy farms.

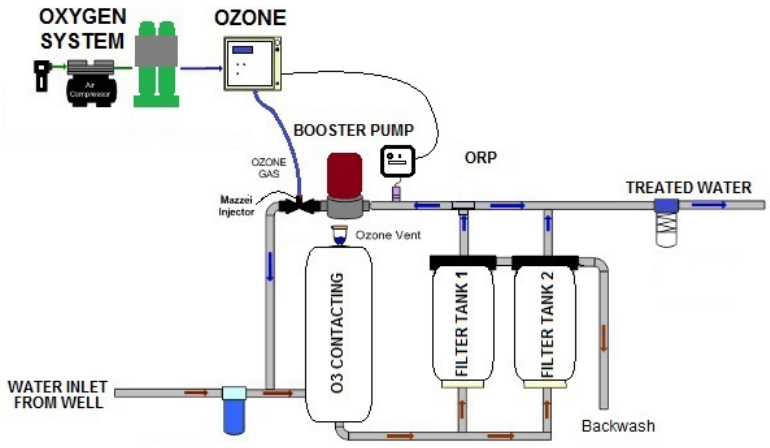
OWS OFFERS:

- Service
- Rental Equipment
- Monitor Calibrations
- Uniform Fire Code Compliance
- Parts Support
- Sales
- Pilot Systems
- Refurbished Equipment
- In-house Repairs
- Custom System Design
- Years of Experience

RULES OF THUMB

- 1000 Cow Farm ~ 4 lb/day*
- 3000 Cow Farm ~ 6 lb/day*
- 5000 Cow Farm ~ 8 lb/day*

*depends on water chemistry



Iron & Manganese Removal

Ozone Skid