

BioMix™ Compressed Gas Mixing System

LIFT STATIONS

BioMix provides uniform mixing of tank contents by firing programmed, short-duration bursts of compressed air through patented, engineered nozzles located near the bottom of the wet well. **The technology is ideal for managing collection of fats, oils and grease (FOG)**, and keeping a homogenous mixture flowing through the wastewater collection system with minimal inspection and maintenance.



KEY ADVANTAGES FOR LIFT STATIONS:



Process Optimization:

- Break the surface of the liquid with large bubbles to inhibit accumulation of FOG
- Re-entrain floatables to develop a homogenous mixture
- Adjustable mixing parameters account for changing water levels and differences in substrate



Unparalleled Flexibility:

- Communicate with SCADA network to enable/disable or operate mixing on a set schedule
- Manual valve actuation allows service staff to manually agitate wet well
- Arrange nozzles to mix multiple chambers with a shared compressor system



Straightforward Operation:

- Non-clogging, self-cleaning equipment in wet well
- No rotating or electrical components in wet well, lowering risk of trash/debris getting caught
- Interlock mixing with pump operation to protect equipment while maintaining complete mixing
- Maintain all equipment from above the wet well with minimal visual inspection



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TO DISCUSS HOW BIOMIX CAN OPTIMIZE YOUR
MIXING SOLUTIONS FOR LIFT STATIONS.