

BioMix™ Compressed Gas Mixing System

EQUALIZATION TANKS

BioMix provides uniform mixing of tank contents by firing **programmed, short-duration bursts of compressed air through patented, engineered nozzles** located near the tank floor. The mixing parameters may be adjusted to optimize mixing and power utilization, either through operator input or automated process feedback.



KEY ADVANTAGES FOR EQUALIZATION (EQ) TANKS:



Energy Efficiency:

- Unequaled mixing efficiency of less than 0.1 hp / 1000 ft³
- Proven O&M savings of more than 50% compared to jet or diffused air mixing



Unparalleled Flexibility:

- Variable mixing intensity based on operating depth
- No low-level limitations – ability to mix at any liquid depth
- Compatible with any tank geometry or configuration
- Nozzle headers installed along the slope of the floor, eliminating “dead spots” in cone bottom tanks



Process Optimization:

- Operator-adjustable firing parameters that enable ideal mixed conditions without deposition and minimum energy input
- Promotion of optimal conditions for biological nutrient removal processes upstream of BNR selectors



Straightforward Operation:

- No in-tank moving or wearing parts
- Non-clog, maintenance free performance



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TO DISCUSS HOW BIOMIX CAN OPTIMIZE YOUR MIXING SOLUTION FOR EQUALIZATION TANKS.