

BioMix™ Compressed Gas Mixing System

CHANNELS

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 BIOMIX ADVANTAGE FOR CHANNELS:



Energy Efficiency:

Energy savings of 70-80% or greater in channel applications versus diffused aeration

84%
ENERGY
SAVINGS

Comparison for a Channel at: 760' x 6' x 15' SWD

Process

Operating Power

Diffused Aeration @ 3 CFM/ft

Continuous low-pressure air

1 Blower @ 107 BHP

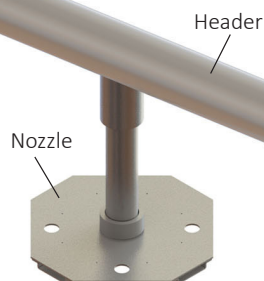
BioMix

Intermittent high-pressure air

1 Compressor @ 17 BHP

The nozzle design is ideal for channel applications.

- **Non-clog nozzle**
- **Minimal in-tank maintenance**
- Easily adaptable to any channel configuration or depth
- Retrievable configuration available for wet installations with channels online



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TO DISCUSS HOW BIOMIX CAN OPTIMIZE YOUR CHANNEL MIXING.