

# 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



Single drop configuration in Pleasant Hills, PA

### 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*

**Diffused Aeration @ 3 CFM/ft**

**BioMix**

**Process**

Continuous low-pressure air

Intermittent high-pressure air

**Operating Power**

1 Blower @ 107 BHP

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

Nozzle

Header



Standard configuration in South Bend, IN

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**TO DISCUSS HOW BIOMIX CAN OPTIMIZE YOUR CHANNEL MIXING.**