

## BioMix™ Compressed Gas Mixing System

# BNR SELECTORS

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



### KEY ADVANTAGES FOR BIOLOGICAL NUTRIENT REMOVAL (BNR):



#### Energy Efficiency:

- 50-60% or greater energy savings compared to mechanical mixing



#### Process Optimization:

- Complete mixing with proven negligible oxygen transfer
- Easy integration with aeration equipment for swing zone applications, minimal load stress on other process equipment
- Guaranteed uniform mixing with onsite performance testing



#### Unparalleled Flexibility:

- Install options for anaerobic, anoxic, swing zone, aerobic, and deoxygenation tanks
- Variable mixing intensity based on process parameters



#### Straightforward Operation:

- No mechanical or electrical components in the wastewater
- Greatly reduced amount of operating equipment to be maintained
- Non-clogging, self-cleaning components in tank
- 100% redundancy with standby compressor
- Optional PLC backup with Zombie® controller



[www.enviro-mix.com](http://www.enviro-mix.com)

701 East Bay Street, Suite 502, Charleston, SC 29403

P: 843.573.7510 · F: 843.573.7531 · E: [sales@enviro-mix.com](mailto:sales@enviro-mix.com)

[Contact sales@enviro-mix.com](mailto:sales@enviro-mix.com)

**TO DISCUSS HOW BIOMIX CAN OPTIMIZE  
YOUR MIXING SOLUTION FOR BNR.**