The Tri-Oval® Oxidation Ditch System is a subsurface, complete mix, looped reactor system that is ideal for municipal and industrial wastewater treatment facilities. The energy efficient Aire-O₂, Triton® TR Series process aerator/mixer, combined with optimized oxidation oval design, can operate at depths as low as 5ft (1.5m) and reach up to 33ft (10m).

- Full biological nutrient removal (BOD, TSS, Nitrogen, Phosphorus)
- Simple, flexible, trouble free operation with easy process control
- Reduced power consumption with low cost of ownership
- Minimal heat loss offers improved winter performance
- No aerosols or splashing
- Simple structural design, minimal land requirements, quiet operation, and total reliability

The Argos® Sequencing Batch Reactor (SBR) offers greater process flexibility of the activated sludge treatment process. Utilizing a uniquely engineered gear driven decanter and dual function Aire-O₂, Triton® process aerator/mixer, the Argos® SBR is an ideal system for municipal and industrial wastewater treatment facilities looking for a user-friendly, energy efficient solution.

- Aire-O₂, Triton aerator/mixer on guide rails maximizes accessibility and safety
- Eliminates the need for diffuser grids, piping infrastructure, blower buildings, and independent mixers
- Simple installation and maintenance
- Triton units can isolate aeration from mixing for bio-P and nitrification by cycling the blower for anaerobic, nitrification/denitrification cycles
- Gear driven four sided stainless steel decanter with solids exclusion ensures high quality effluent
- Flexible single or multi batch reactor design

This energy efficient system is designed for the physical/chemical pretreatment of wastewater; removing up to 95% of fats, oils, and grease.

- Reduces surcharges by municipalities for disposal
- Simple maintenance and low energy consumption
- Requires no balancing of flow rates
- Eliminates recycle pumps, compressors, and attendant piping associated with traditional DAF equipment
- New complete custom designs (with skimmers and tankage) or retrofits into existing tankage
Maximize high oxygen efficiency per hp hr by providing fine bubble aeration in shallow, large surface area basins or smaller, deeper basins.

With thousands of installations worldwide and years of experience, we can partner with you to create customized solutions for your wastewater challenges.

- Fine bubble aeration
- Performs in a variety of depths for mixing
- Easily accessible and low maintenance required
- Resistant to ragging
- Predictable and constant flow equalization
- Eliminates odors without aerosols

Aerobic Digester

Municipal and industrial aerobic digesters are an ideal application for the Aire-O₂ Triton® process aerator/mixer.

- Multiple mounting options available
- Aire-O₂ Triton provides superior aeration and mixing in solids of up to 4% and depths up to 33ft (10m)
- Eliminate diffusers and associated air piping, blowers, blower buildings, and independent mixers
- Separate aeration and mixing option, offering process control and flexibility
- Equipment is accessible from the top of the basin for easy maintenance without draining the tank
- Eliminate diffusers and associated air piping, blowers, blower buildings, and independent mixers

Equalization Basin

Maximize high oxygen efficiency per hp hr by providing fine bubble aeration in shallow, large surface area basins or smaller, deeper basins.

- Fine bubble aeration
- Performs in a variety of depths for mixing
- Easily accessible and low maintenance required
- Resistant to ragging
- Predictable and constant flow equalization
- Eliminates odors without aerosols

Lagoon

With thousands of installations worldwide and years of experience, we can partner with you to create customized solutions for your wastewater challenges.

- Flexible equipment provides wastewater mixing and aeration in one unit
- Customized solutions
- Thorough mixing for even oxygen dispersion through entire basin
- Superior sludge movement and reduced settling
- Equipment accessibility from top of the basin for easy maintenance
- Engineered, robust propeller designed to prevent fouling
- Years of experience in municipal and industrial applications