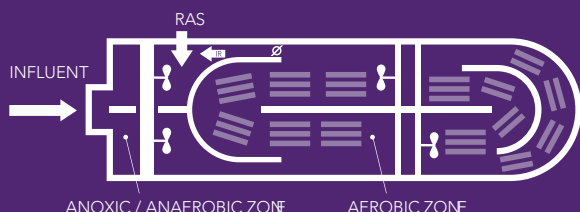




MUNICIPAL WASTEWATER
DIFFUSED AERATION



A TRULY EFFICIENT DITCH



Floor-Mounted Stainless Steel Diffusers

Highest Energy Efficiency

No Internal Recycle Pumping

Total Nitrogen ≤ 3 mg/L

Total Phosphorus ≤ 0.1 mg/L

RINGSTRIP™ SYSTEMS

INTERESTED?

Call 1.800.GO.OVIVO to
find out how you could
lower your energy costs
by up to 70%

FINALLY... A TRUE PROCESS SOLUTION

LOW-MAINTENANCE, HIGHLY EFFICIENT OXIDATION DITCH

While many have cobbled together their generic products in an attempt to enter the market, Ovivo has developed a true process solution for a low-maintenance, highly efficient oxidation ditch based on ultra-fine diffuser technology. Several brands of flow-boosting mixers and highly efficient blowers may be used based on your preference. Two Ovivo design components are the key to our robust, high-performing solution:



Stainless steel AEROSTRIP® diffusers are mounted right on the floor and are uniquely designed to withstand high ditch velocities and resist vibration and rraging. AEROSTRIP diffusers operate at a very wide flux (air flow) range of 24:1, and have no restrictions on intermittent operations, maximizing dissolved oxygen control, denitrification, and total nitrogen removal. The Ovivo AirBridge delivers the air to several grids allowing for maximum flexibility in operation.

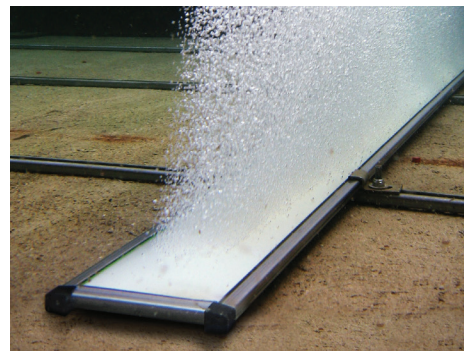


A slip stream from the main flow becomes the internal recycle (IR) stream using fiberglass or concrete formed channels. The IR rate is simply controlled by an electrically-actuated pivoting gate (the EliminatIR™ gate) tied to an oxidation-reduction potential (ORP) probe. IR rates of 10Q are easily possible with no pumps, allowing for very high nitrogen removal in a two stage modified Lutzack-Ettinger (MLE) system.



OVIVO OCULUS™ CONTROL SYSTEM

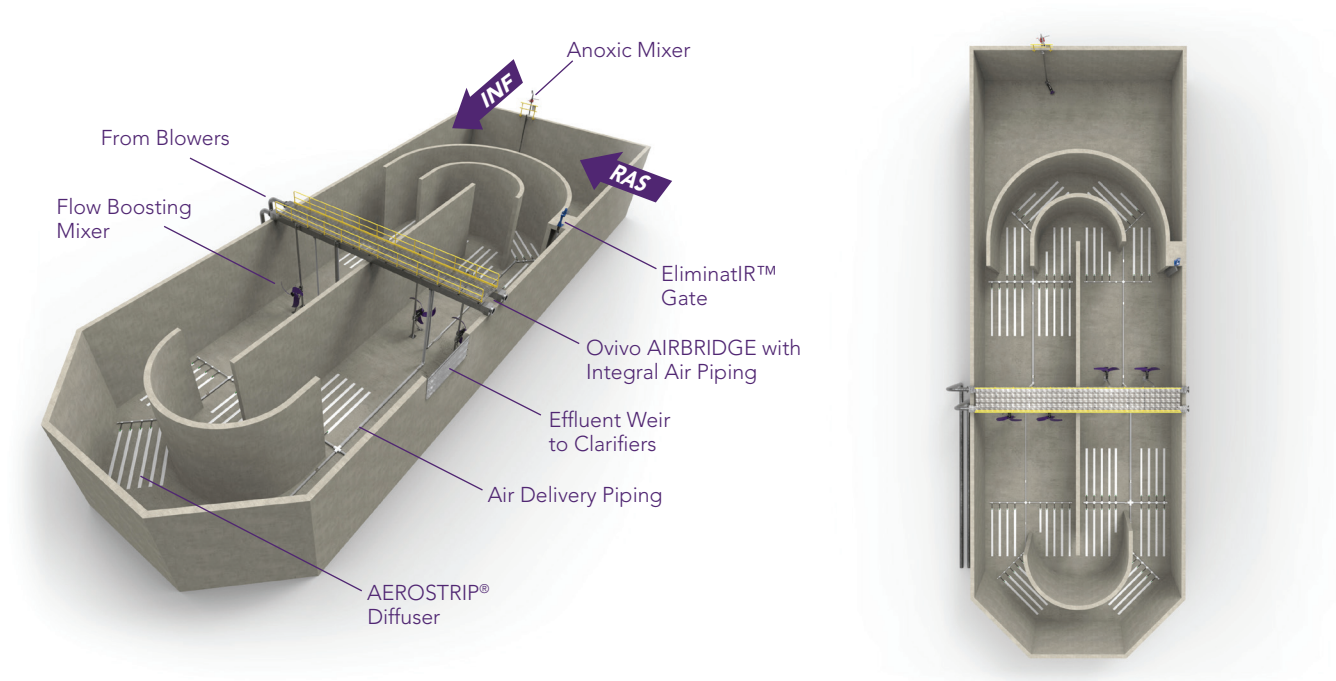
RINGSTRIP Systems are fully-automated to meet the strictest nutrient criteria in North America. The wide operational range of the AEROSTRIP system combined with the ability to operate intermittently and the high capacity, pumpless IR channel allow for tight dissolved oxygen and ORP control. The Oculus Controller operates blowers, the EliminatIR gate, flow boosting mixers, and the AIRBRIDGE™ air control valves based on on-line monitoring systems. The entire system comes right in a fabricated building ready to run and may be controlled remotely on smartphones and tablets.



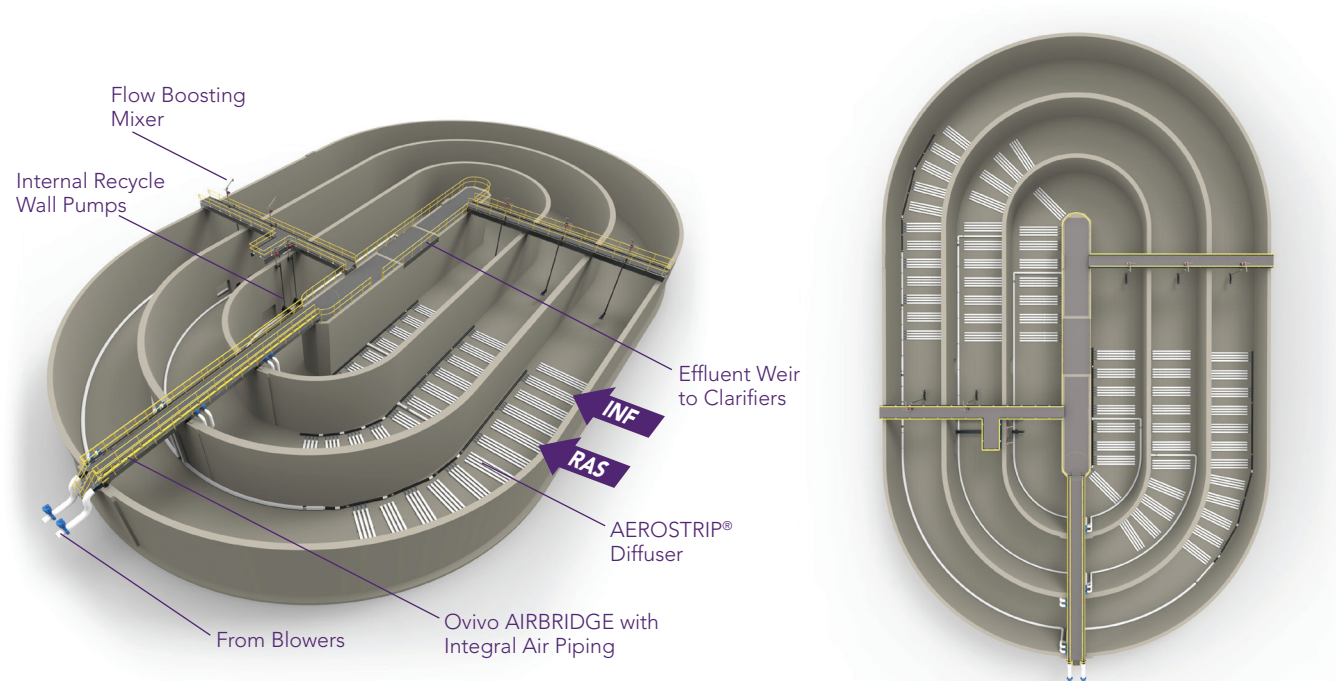
AEROSTRIP® AERATORS

Rather than using slits, AEROSTRIP® diffusers are needle-punched using check valve perforation technology. Pores remain tightly closed when the air is turned off. Pores open evenly throughout the entire system when the air is turned on creating evenly distributed fine bubbles for the highest energy efficiency on the market.

SINGLE TRAIN **TRACK** DESIGN



SINGLE TRAIN **CONCENTRIC** DESIGN



THE OVIVO DIFFERENCE

200+ YEARS OF HERITAGE • 100% FOCUSED ON WATER

PROCESS OPTIMIZATION CONTROL

Ovivo can provide your RINGSTRIP installation fully equipped with the latest and most effective control system available. Whether your goal is basic aerobic treatment or full-scale biological nutrient removal, Ovivo can provide it.

OVIVO: AN ENGINEERING PROCESS POWERHOUSE

The Ovivo Aeration Process Team, which consists of decades of biological wastewater treatment plant design and innovation, has provided expertise and design assistance for wastewater treatment plants consisting of all shapes, sizes, and effluent permits.

CAPABILITIES

- Detailed Design Support
- Process Calculations
- Equipment Sizing
- Process Guarantees
- Extended Warranties
- Retrofit Expertise
- Process Training
- Equipment Startup
- Ovivo®Connect™



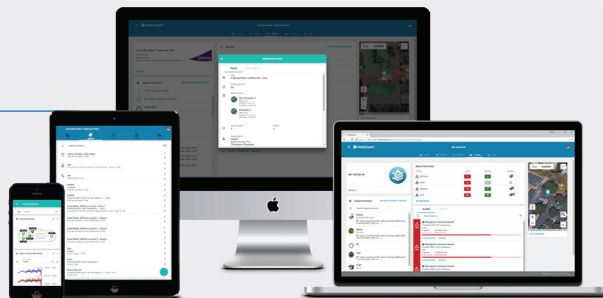
OVIVO® AIRBRIDGE™



**ALL OF YOUR MANUALS,
ALL OF YOUR KNOWLEDGE,
ALL IN ONE PLACE.**

Get your team on the same page.
Upload and share documents & media.
Create and manage service logs and
maintenance schedules.

Learn more at WaterExpert.com



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