



PRODUCT SPECIFICATIONS

Floating Lateral Lagoon Aeration System

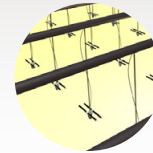
- Heavy wall piping and all welded construction including inline and branch transitions for maximum mechanical integrity.
- Multiple diffuser options including coarse bubble for low maintenance, fine bubble, tube and panel diffusers for energy efficiency.
- Field proven mechanical design with installations up to 1300 ft (396m) long.
- Diffuser assemblies are retrievable without taking basin off-line for maximum process reliability.
- Available with suspended diffuser assemblies for uneven floor or lined basin applications. Diffuser assemblies can be installed on the reactor floor if the surface is level.



Air piping floats on water surface



Accommodates variable water level applications



High density polyethylene pipe for maximum durability

Engineered Components Designed for Unmatched System Reliability and Operating Performance

EDI Floating Lateral Aeration System is a unique solution when maximum installation flexibility and maintenance is required.

The system is ideally suited for applications where the basin cannot be taken off-line for either installation or maintenance. The air distribution piping system floats on the water surface. Individual diffuser assemblies are fully accessible from the water surface allowing maintenance to be completed without draining the basin or interrupting the process. Suspended diffuser assemblies are available when uneven floor elevations exist or when the basin construction will not accommodate or support a floor mounted diffuser assembly. Ballasted diffuser assemblies that rest on the basin floor are available for basins with level earthen, concrete or steel floors.

The EDI floating lateral aeration system is designed to withstand significant external forces from wind, heat, ice, and varying water level conditions. Each component and total integrated system is engineered for maximum system integrity and field reliability. Heavy wall, high density, polyethylene pipe and welded construction are standard for all connections. Inline and optional cross restraint tension systems are used to maintain the position of the components.

The system performance and mechanical design of the EDI floating lateral aeration system has been field demonstrated. EDI has the world's largest floating lateral aeration system. This system employs laterals approaching 1300 ft in length and has withstood high wind conditions (greater than 62 mph) without mechanical damage.

For additional information on the EDI Floating Lateral Aeration System, visit our website at www.environmentaldynamics.com.

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USA**

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