



JAEGER-OxyLift™

Retrievable Aeration Solutions

Wall mounted, Self-weighted, & Suspended Systems




Gummi-Jaeger Aeration LLC, its Original Equipment Manufacturer (OEM) Customers, and Distributors offer advanced **fixed bed** and **retrievable** fine bubble Aeration Product and Equipment Solutions to **Municipalities** and **Industrial Clients** up to the top of the aeration tank or to the yard piping of aerated lagoons. Fixed bed and retrievable systems are equipped with **JAEGER OxyDisc™ disc**, **JAEGER OxyTube™ tubular**, and **JAEGER OxyStrip™ strip** diffusers / aerators. The **Gummi- Jaeger AERATION LLC high performance fine bubble membrane materials** are made of **EPDM**, **Silicone** or **Polyurethane** rubber and are selected subject to the **Waste Water Composition** and the **Waste Water Treatment (WWT) Process Conditions**.

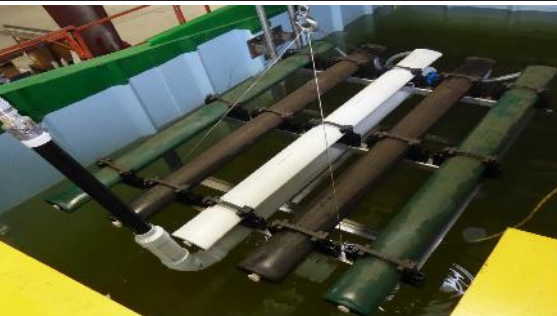
Retrievable Aeration Systems are commonly used in applications: **Without** or only limited **System Redundancy** i.e. with only one activated sludge tank; **Maximizing System Uptime** while allowing diffuser system maintenance without the need of draining the aeration tank; **Lagoon** applications where there is no level and / or reinforced basin bottom to mount fixed bed systems, **Oxidation Ditches** where mechanical surface mounted aerators are substituted by substantially more energy efficient submerged fine bubble membrane diffuser systems; **Emergency Aeration** solutions; **Disaster Recovery** applications to clean contaminated water in temporary capture, retention, & treatment systems; **Other** applications.



JAEGER OxyLift™ - Retrievable Rack System - Wall mounted vertical track for JAEGER OxyTube™ & OxyStrip™

The **JAEGER OxyLift™** retrievable rack system has a boom length of up to 4.5m [14']. It can hold up to 50 x 1m or 1.5 m long **JAEGER OxyTube™** tube diffusers or 26 x 1,5m long **JAEGER OxyStrip™** strip diffusers. It is commonly used in square, round, & carousel shaped concrete or prefabricated tanks for conventional activated sludge, SBR, and other WWT processes; As standalone systems, or in combinations with submerged, floating, or other supplemental mixing means.

JAEGER OxyLift™ - Self-weighted Retrievable Rack Systems - for JAEGER OxyTube™ & OxyStrip™



Self-weighted Retrievable aeration systems are commonly used in applications: **Pond & Lagoon Aeration**; **Emergency Aeration** solutions; **Disaster Recovery**; **Concrete** tank aeration basins; **Other** applications. They can be supplied as fine bubble aerators only or be combined with **coarse bubble Venturi Jet** air mixing with air being supplied from floating laterals or submerged & weighted air distribution systems. The Venturi Jet air mixing helps preventing/reducing sludge settling and the need for lagoon dredging. It also helps stirring up / removal of preexisting sludge deposits. They are substantially more **energy efficient** than floating mixing aerators based on **kg O₂/kWh** basis. **ROI << 2 yrs.** possible.

JAEGER OxyLift™ - Suspended from floating laterals & Retrievable Aeration Systems



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Suspended from floating laterals & Retrievable Aeration Systems are commonly used in **Pond & Lagoon Aeration** applications: Where there is no level and / or reinforced basin bottom to mount fixed bed systems; System upgrades from floating & mixing surface aerators. They are substantially more **energy efficient** than floating mixing & aerators based on **kg O₂/kWh** basis. The above lagoon continues running in its current design configuration since 1996 equipped > 45,000 x 9" Ø EPDM **JAEGER OxyDisc™ disc membranes**. Suspended and retrievable systems are equipped with **JAEGER OxyDisc™ disc**, **JAEGER OxyTube™ tubular**, and **JAEGER OxyStrip™ strip diffusers / aerators**.

JAEGER BioCube™ Self-weighted Retrievable Fixed Film Biofilm Reactors (FFBR) and Integrated Fixed film Activated Sludge Systems (IFAS) - Combined biomass – suspended and fixed.



JAEGER BioCube™ a **Self-weighted Retrievable fixed film stationary media module** pre-engineered as a **high rate air-lift reactor** for enhanced **BOD** and/or **Ammonia** removal. **JAEGER BioCube™** consist of a vertical channel biofilm support media in honeycomb arrangement combined with **JAEGER OxyStrip™ strip diffusers** for optimized air supply and uniform scouring of excess biomass.

JAEGER BioCube™'s hydraulic design creates a rolling flow pattern around the cube and supplies the active biomass with oxygen and substrate and prevents growth of inactive biomass, clogging and red-worms at the same instant. **JAEGER BioCube™**'s **increases** activated sludge reactor **BOD removal capacity by up to 60% by volume** compared to conventional suspended biomass reactors.

Gummi-Jaeger AERATION LLC Distributor



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