



# optAER<sup>®</sup> FLOAT-SINK HEADERS

Criteria	Float-Sink
No need to dewater for aeration maintenance	●
Improved operator safety	●
No surface components to be damaged by ice	●
Nothing remains on pond bottom when system is raised; allows long-term sludge removal	●
Suitable for fluctuating pond depths	●



Dry float-sink installation

## Float-Sink Header

Nexom's patented float-sink aeration header system is designed to allow for diffuser maintenance or inspection without dewatering aerated tanks or ponds.

- Can raise or lower by simply manipulating ballast tube control valves.
- Can install without basin dewatering.
- All system maintenance can be performed from water surface.
- Suitable for intensively aerated complete mix lagoons or mechanical sewage treatment plants requiring diffuser retrieval capability without dewatering.
- Ballasts are polypropylene geotextile sandbags (Saddle Bags<sup>™</sup>) so no concrete weights in the water are required.
- Compatible with either coarse- or fine-bubble aeration.

## Header Design

Header and feeder lines are built with UV-resistant HDPE pipe with thermally-fused connections.

Header systems are designed to minimize pressure increases from increased airflow. This capacity allows for management of additional organic load and improves long-term diffuser maintainability and performance.

## Diffuser Replacement

With Float-Sink, replacing diffusers is easy. From shore, raise the header to the surface by expunging water from the ballast tube. Working from a boat, remove the old diffuser and replace it with a new one. The header system can then be lowered back down by manipulating a valve on shore.

## UPGRADING WITH FLOAT-SINK IS EASY AND EFFECTIVE

1

We walk you through exactly what project details we need. Call 888-426-8180 or email [info@nexom.com](mailto:info@nexom.com).

2

We supply design-ready drawings, proprietary technologies, and responsive support.

3

You never worry about your fluctuating water levels or diffuser maintenance again.

*technologies for cleaner water*

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