



# MODULEAIR

## Lift-In/Lift Out Retrievable Diffuser Grid Configuration

The EDI ModuleAir™ System is appropriate for applications that require high reliability and performance. ModuleAir assemblies allow for the installation of aeration grids into basins that can not be drained, and the assemblies are removable for diffuser maintenance. Individual grids may be placed, accessed, and removed without emptying or shutting down the reactor. The fully retrievable ModuleAir can use all of EDI's fine bubble diffusers.

## Material Features

- A self-contained assembly with a dedicated airline and ballasted design that rests on the reactor floor.
- Individual grids may be maintained separately without draining basins.
- Standard stainless-steel (304 S.S. or 316 S.S.) as standard for structural requirements for large grids. Alternate building materials are available upon request.
- Pipe diameters range from 4 to 8 inches (110 mm to 200 mm) to optimize airflow and efficiency.
- Modules range from 5 feet (1.5 m) to 50 feet (15 m) in length, depending on the application.
- Compatible with all EDI fine bubble diffusers, including discs, tubes, and panels; with variable membrane materials and perforations for optimal oxygen transfer and mixing requirements.
- Handles variable water levels and uneven floor conditions.
- High-energy mixing applications feature reinforced supporting mechanisms for additional strength.
- Lifting cables, angles, or buoys are provided for ease of access and retrievability.
- Flexible hose is standard, and rigid drop-pipe option available.

There are several variations of retrievable ModuleAir assemblies available.

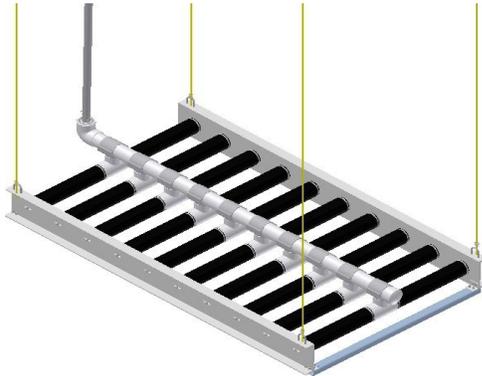
**Multi-Lift Point ModuleAir** – SS lateral piping with any pipe mounted diffuser that EDI manufactures, with 2-4 concrete or galvanized steel ballast beams and retrievable utilizing a spreader bar (beam) and crane.



**U-tube ModuleAir** –

A special version of multi-lift point ModuleAir. SS lateral with a SS drop pipe and lifting pipe at the opposite end of the lateral. Lifting lugs are provided at the top of the drop pipe and lifting pipe.

**C Channel ModuleAir** – Galvanized C Channel side rails with cross bracing supporting a PVC lateral with MiniPanel (or PVC MaxAir) diffusers attached to the side rails. This unit is retrievable with a crane.



## Working with EDI is easy:

**1** We walk you through exactly what project info we need. Call +1 573 474 9456 or visit [wastewater.com](http://wastewater.com).

**2** We supply drawings, specs, best-in-class aeration, support, even install!

**3** You rest easy, knowing your plant has **Aeration for life®**



**SPECIFICATION: ModuleAir**  
(SS183-EA-24-06)