SPECIFICATION

# FlexAIR® PRO STREAMLINE

## Fine Bubble Diffuser System

The EDI FlexAir® Pro StreamLine™ diffuser is a fine pore, flexible membrane diffuser that offers superior operational flexibility and oxygen transfer efficiency. It features an exclusive design that can be configured with precision perforations for superior oxygen transfer and reduced operating costs. The diffuser is ideally suited for oxidation ditches, energy savings schemes, or advanced biological treatments with high air volume requirements.

## Material Features

- Efficiency geometry allows high-density installations with over 65% floor coverage, leading to better oxygen transfer efficiency and providing industry's highest SAE.
- Precision perforations such as NanoPore™, MicroPore™, and high-capacity are provided for high oxygen transfer, uniform air release, and low operating pressure for reduced operating expenses.
- Horizontal-projected diffuser area for maximum OTE performance.
- Replaceable, high-quality membranes available in EPDM, Polyurethane (PU), High Temperature PU (HTPU), Special Polymers, and Armor Coating for minimal fouling and maintenance.
- Rugged and adaptable diffuser bodies are available in PVC, CPVC, PP, Stainless Steel (304 & 316), or composite resin for optimum chemical, UV, and temperature resistance, making them perfect for the most demanding applications.
- The StreamLine lateral attaches to any size air header and has an integraded pipe support and diffuser leveling mechanism.

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| Model and Perforation | SL4 Micro | SL4 Nano | SL4 High-Cap |
|---|---|---|---|
| **Typical Airflow** | 0.5-13.0 scfm<br>0.8-20.6 $m^3n/h$ | 0.5-5.5 scfm<br>0.8-8.7 $m^3n/h$ | 0.5-46.5 scfm<br>0.8-73.7 $m^3n/h$ |
| **Maximum Airflow** | 26.0 scfm<br>41.2 $m^3n/h$ | 11.0 scfm<br>17.4 $m^3n/h$ | 93.0 scfm<br>147.3 $m^3n/h$ |
| **Overall Diameter** | 85.0 in<br>2159 mm | 85.0 in<br>2159 mm | 85.0 in<br>2159 mm |
| **Active Surface Area** | 3.52 $ft^2$<br>0.33 $m^2$ | 3.52 $ft^2$<br>0.33 $m^2$ | 7.04 $ft^2$<br>0.66 $m^2$ |
| **Dry Weight** | 13.9 lb<br>6.3 kg | 13.9 lb<br>6.3 kg | 13.9 lb<br>6.3 kg |
| **Operating Buoyancy** | 44.9 lb<br>6.30 kg | 44.9 lb<br>6.30 kg | 44.9 lb<br>6.30 kg |

**NOTES:**

- Values listed in the specification chart are for a single StreamLine SL4 Module, unless otherwise specified.
- Additional StreamLine Models are available on request. Model SL8 will have twice the specified values of the SL4 model, while the SL2 model will have half the listed values of the SL4.
- Optimum oxygen transfer efficiency is achieved when operating in typical airflow range.
- Operating below the Typical Airflow range will lead to poor uniformity and higher risk of fouling.
- Operating at or above the Maxium Airflow for extended periods may lead to worse SOTE and decreased membrane longevity.
- High-Capacity Modules are specially perforated to achieve double the active surface area of standard MicroPore or NanoPore units.

# 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.

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

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