



SPECIFICATION

FlexAIR[®] PRO MINIPANEL[™] Fine-Bubble Membrane Diffuser

The EDI FlexAir[®] Pro MiniPanel[™] diffuser is a fine pore, flexible membrane diffuser that offers superior operational flexibility and oxygen transfer efficiency. It features an exclusive perforation design and perforated area and can be configured with precision perforations for superior SOTE and reduced operating pressure. The diffuser is ideally suited for on/off applications, energy savings schemes, or advanced biological treatments that require minimum maintenance.

Material Features

- Efficient geometry supports high-density installations of over 65% floor coverage
- Precision perforations for high oxygen transfer, uniform air release, and low operating pressure for less energy consumption and operating expenses.
- Easily replaceable premium quality membranes available in EPDM, Polyurethane (PU), High Temperature PU (HTPU), and Armor Coating, for reduced fouling and minimum maintenance.
- Backflow protection with triple check-valve design that prevents entry of liquids/solids into piping.
- Durable ABS Saddle and PVC non-buoyant body construction for maximum chemical & UV resistance; optional CPVC non-buoyant body for maximum temperature resistance.
- SDM Saddle mounts to 4", 6", 8" (110 mm and 160 mm) round shaped air piping.



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Axius Water companies

Model & Perforation	MP3 Nano	MP3 Micro	MP4 Nano	MP4 Micro	MP5 Nano	MP5 Micro
Typical Airflow (per Tube)	1.5-6 scfm 2.4-9.5 m ³ /h	3-13 scfm 4.8-20.6 m ³ /h	2-8 scfm 3.2-12.7 m ³ /h	4-18 scfm 6.3-28.5 m ³ /h	2.5-10 scfm 4.0-15.8 m ³ /h	5-22 scfm 7.9-34.9 m ³ /h
Maximum Airflow (per Tube)	8 scfm 12.7 m ³ /h	20 scfm 31.7 m ³ /h	10 scfm 15.8 m ³ /h	26 scfm 41.2 m ³ /h	13 scfm 20.6 m ³ /h	33 scfm 52.3 m ³ /h
Duplex Overall Length	9.7 ft 2946 mm	9.7 ft 2946 mm	13.15 ft 4008 mm	13.15 ft 4008 mm	15.47 ft 4716 mm	15.47 ft 4716 mm
Operational Buoyancy	6.95 lb 3.15 kg	6.95 lb 3.15 kg	8.21lb 3.72kg	8.21lb 3.72kg	9.19lb 4.17kg	9.19lb 4.17kg
Dry Weight	10.4 lb 4.55 kg	10.4 lb 4.55 kg	13.38lb 6.07kg	13.38lb 6.07kg	15.99lb 7.25kg	15.99lb 7.25kg
Active Surface Area	2.64 ft ² 0.25 m ²	2.64 ft ² 0.25 m ²	3.52 ft ² 0.33 m ²	3.52 ft ² 0.33 m ²	4.4 ft ² 0.41 m ²	4.4 ft ² 0.41 m ²

NOTES:

- Values listed in the specification chart are per tube, unless noted otherwise.
- 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 Maximum Airflow for extended periods may lead to reduced or diminished SOTE and decreased membrane longevity.

Working with EDI is easy:



SPECIFICATION: FlexAir Pro MiniPanel M3-5
(SS165-EA-24-02)