



## SPECIFICATION



# FlexAIR<sup>®</sup> PRO THREADED DISC Fine-Bubble Membrane Diffuser

The EDI FlexAir Pro<sup>®</sup> Disc Fine Bubble Diffuser provides both installation and operation flexibility and efficient oxygen transfer aeration. The dependable FlexAir Pro Discs, which have been installed in thousands of wastewater treatment plants for long-term operation, are made of fiberglass-reinforced polypropylene and come with a range of membrane solutions suitable for industrial and municipal wastewater treatment facilities.

## Material Features

- Available in standard 9" (230 mm) and 12" (300 mm) diameters.
- Glass-filled Polypropylene (GFPP) body provides superior chemical, thermal, and UV resistance.
- Standard ¾" Male National Pipe Thread (MPT) for easy mounting to grommets, accessories, or threaded saddle adapters.
- EDI offers standard EPDM membranes, polymers designed by the Membrane Technology group, and premium Armor Coat for prolonged service.
- Multiple perforations available for improved oxygen transfer efficiency and air handling performance.
- The triple-check valve design prevents liquid or solids from entering the air feed piping without moving parts.
- Patented EZ-Seal<sup>™</sup> allows for rapid membrane installation.

5601 Paris Rd.  
Columbia, Missouri  
USA 65202

+1 573 474 9456  
[wastewater.com](http://wastewater.com)

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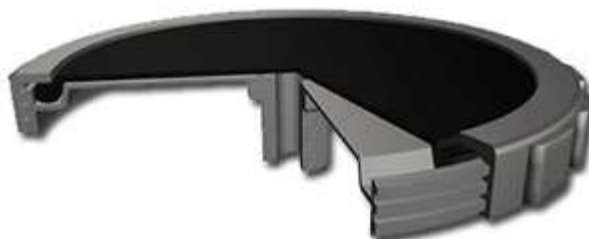
**Nexom<sup>®</sup>**

*Axiom Water companies*

Model and Perforation	DC09 Micro	DC09 High-Cap	DC12 Micro	DC12 High-Cap
Typical Airflow	0.5-3.0 scfm 0.8-4.8 m <sup>3</sup> n/h	0.5-5.0 scfm 0.8-7.9 m <sup>3</sup> n/h	0.5-5.0 scfm 0.8-7.9 m <sup>3</sup> n/h	0.5-9.0 scfm 0.8-14.3 m <sup>3</sup> n/h
Maximum Airflow	6.0 scfm 9.5 m <sup>3</sup> n/h	10.0 scfm 15.8 m <sup>3</sup> n/h	10.0 scfm 15.8 m <sup>3</sup> n/h	18.0 scfm 28.5 m <sup>3</sup> n/h
Overall Diameter	10.7 in 273.0 mm	10.7 in 273.0 mm	13.2 in 336.0 mm	13.2 in 336.0 mm
Active Surface Area	0.41 ft <sup>2</sup> 0.038 m <sup>2</sup>	0.41 ft <sup>2</sup> 0.038 m <sup>2</sup>	0.64 ft <sup>2</sup> 0.059 m <sup>2</sup>	0.64 ft <sup>2</sup> 0.059 m <sup>2</sup>
Dry Weight	1.4 lb 0.63 kg	1.4 lb 0.63 kg	1.8 lb 0.82 kg	1.8 lb 0.82 kg

#### NOTES:

- Values listed in the specification chart are per disc, 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 the Maximum Airflow for extended periods may lead to reduced SOTE and decreased membrane longevity.



**SPECIFICATION: FlexAir Pro Threaded Discs**  
(SS168-EA-24-03)