



SPECIFICATION

CoarsAIR FLEXCAP

Coarse Bubble Diffuser

The EDI FlexCap diffuser is a coarse bubble diffuser used primarily in applications requiring mixing or where Oxygen Transfer Efficiency is not an objective.

Material Features

- Made of durable ABS construction for mechanical strength and UV protection.
- Low capital cost and maintenance.
- Standard $\frac{3}{4}$ " male NPT threaded connection available, $\frac{3}{8}$ " available as optional.
- 3" (76 mm) diameter air distribution and high airflow capacity.
- EPDM standard membrane with engineered air outlet orifices.
- Integral check valve to minimize entry of solids onto piping.
- Preferred mounting on bottom of air piping to achieve self-purge and back-flow protection.
- Pipe mounted using UDM, Saddle, or threaded adapter.



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Connection	3/4" Orifice	3/8" Orifice
Bubble Size	Coarse	Coarse
Typical Airflow	0.5-5.0 scfm 0.8-7.9 m ³ n/h	0.5-2.5 scfm 0.8-4.0 m ³ n/h
Maximum Airflow	10.0 scfm 15.8 m ³ n/h	5.0 scfm 7.9 m ³ n/h
Overall Diameter	3.13 in 79.5 mm	3.13 in 79.5 mm
Active Surface Area	0.05 ft ² 0.0046 m ²	0.05 ft ² 0.0046 m ²
Dry Weight	0.087 lb 0.039 kg	0.074 lb 0.034 kg

NOTES:

- Values listed in the specification chart are per diffuser, 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 SOTE and decreased membrane longevity.

Working with EDI is easy:

<p>1 We walk you through exactly what project info we need. Call +1 573 474 9456 or visit wastewater.com.</p>	<p>2 We supply drawings, specs, best-in-class aeration, support, even install!</p>	<p>3 You rest easy, knowing your plant has Aeration for life[®]</p>
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