



AERATION FOR LIFE®

# FlexAIR® **BASIC** CERAMIC DISC

## Diffuser | Fine Pore Rigid Media Technology

The EDI FlexAir® Basic fine bubble rigid media technology diffuser has small orifices created by compressed ceramic media. It is appropriate for industrial applications involving harsh wastewater, or where polymeric flexible membranes are not accepted. It delivers good standard oxygen transfer and is typically used on refurbishment of existing ceramic diffuser systems.

## Material Features

- Available in standard 9" (230 mm).
- Aluminum oxide ceramic media includes retainer ring that ensures an airtight seal.
- The ceramic media is mounted on EDI's FlexAir Basic system, which is solvent welded and compatible with basic ceramic disc aeration systems.
- Ceramic media components are durable and dependable, lasting up to 20 years on ordinary wastewater systems.
- Compatible with in-situ acid cleaning systems (liquid and gas) for continuous performance.
- Ceramic media is available for replacement on FlexAir Pro saddle-mounted ceramic diffusers.

5601 Paris Rd.  
Columbia, Missouri  
USA 65202

+1 573 474 9456  
wastewater.com

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 EOSi

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Model and Type	DCO9 Ceramic
Typical Airflow	0.5-5.0 scfm 0.8-7.9 m <sup>3</sup> n/h
Maximum Airflow	10.0 scfm 15.8 m <sup>3</sup> n/h
Overall Diameter	9.2 in 234 mm
Active Surface Area	0.41 ft <sup>2</sup> 0.038 m <sup>2</sup>

#### 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.

## Working with EDI is easy:



SPECIFICATION: FlexAir Basic Ceramic Discs  
(SS187-EA-24-06)