



**Enviro  
Valor**

COURAGE FOR A  
GREENER TOMORROW

# EnviroValor Disc Diffuser

Aeration Diffuser Solutions  
for Wastewater Treatment



**Stock  
Available**

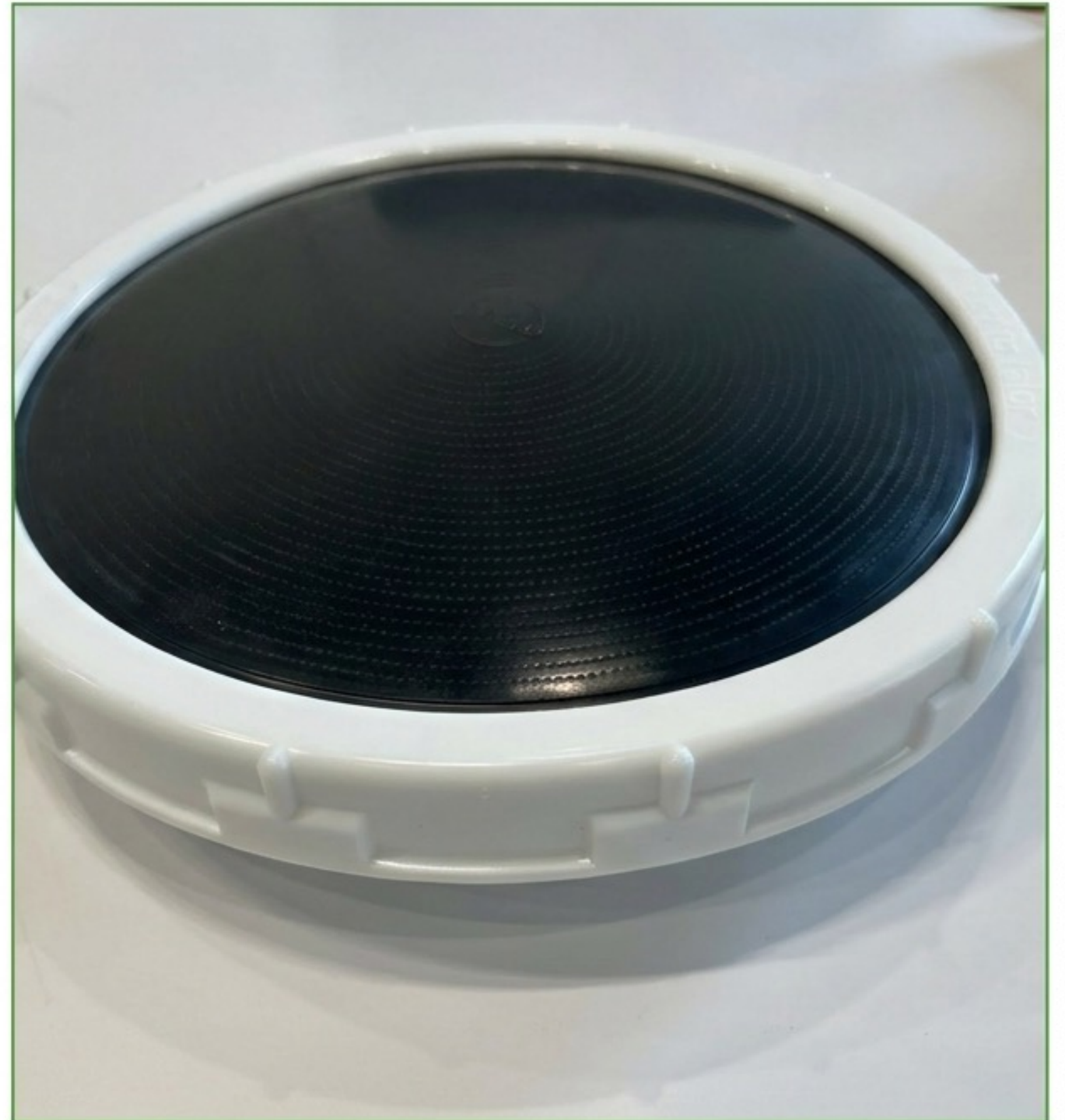
**Fast  
Delivery**

**Factory  
Tested**

# Product Overview

EnviroValor supplies fine bubble disc diffusers designed for stable air distribution, reliable membrane performance, and efficient installation in municipal and industrial wastewater treatment systems.

Product	Size	Application
Disc Diffuser	<b>9 inch</b> (EV-270)	Wastewater aeration systems, standard municipal/industrial use
Disc Diffuser	<b>12 inch</b>	Municipal and industrial wastewater treatment, large-scale aeration



# Engineering and Supply Chain Advantages



## 1. Stock Availability

Selected standard sizes are available in stock to support faster delivery and urgent replacement needs.



## 2. Fast Delivery Support

With ready stock and flexible production coordination, EnviroValor helps customers reduce lead time and keep projects on schedule.



## 3. Built-in Check Valve Function

The self-sealing membrane design provides a built-in check valve function, helping reduce liquid backflow into the air piping system when air supply is stopped.



## 4. Factory Tested Before Shipment

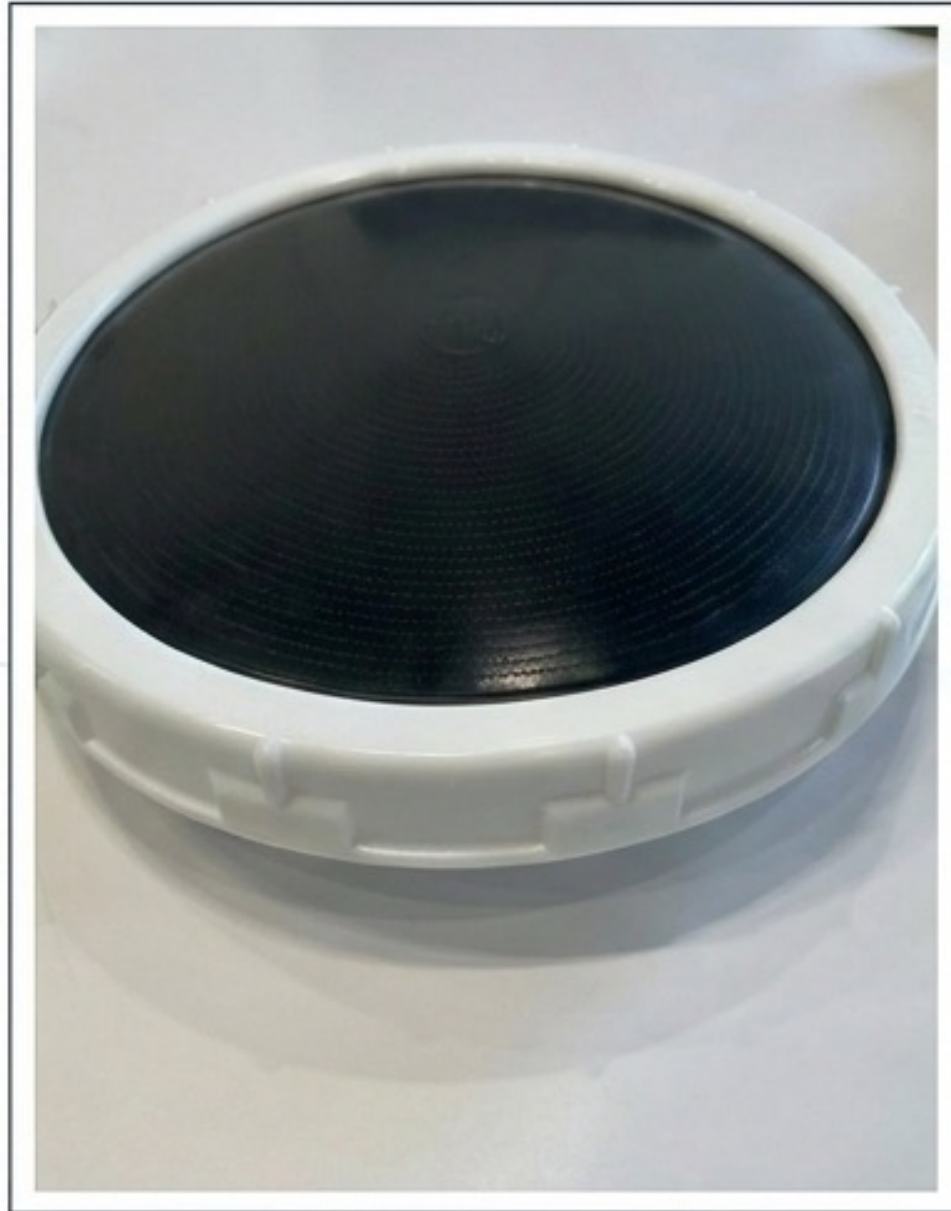
Each diffuser is tested before shipment to help ensure reliable sealing performance and reduce leakage risk.



## 5. Suitable for Replacement & Projects

Standard diffuser sizes are engineered to perfectly suit new wastewater treatment projects, emergency replacement demand, and ongoing system maintenance.

# Technical Specifications: EV-270



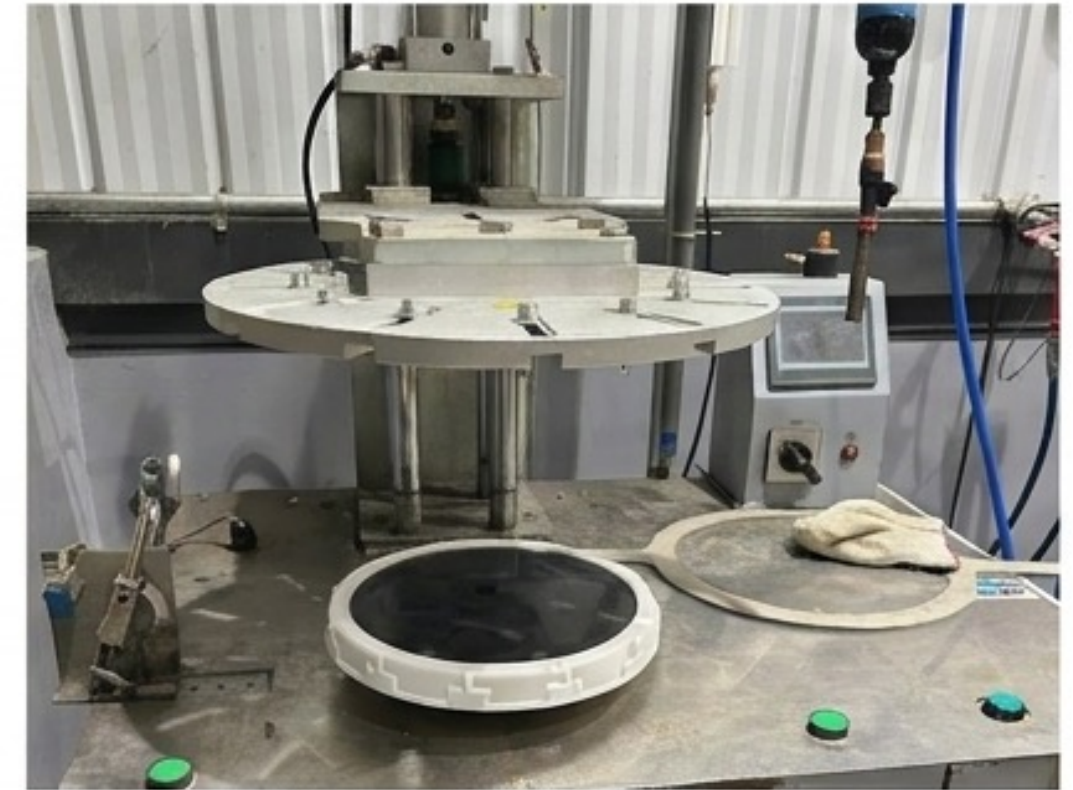
Performance Metrics	
Model:	<b>EV-270</b>
Type:	Fine bubble disc diffuser
Bubble Size:	<b>Approx. 1-3 mm</b> (Increases gas-liquid contact area)
O2 Transfer Efficiency:	<b>25%</b> at 4 m water depth (with 2 CMH airflow)
O2 Transfer Rate:	<b>9.96</b> kg-O2/hr
Energy Efficiency:	Low pressure loss/headloss design reduces blower load

Material Specifications	
Membrane Material:	Standard black EPDM
Support Body:	Durable P.P. (Polypropylene) base structure
Tensile Strength:	<b>1715</b> psi
Elongation:	<b>588%</b>
Hardness:	60 Shore A
Heat Aging Resistance:	Up to 140°C
Thermal Resilience:	+3% volume change after 70 hrs in 100°C boiling water

# Applications & Factory Readiness

Proven performance across diverse wastewater aeration environments.  
Suitable for new installations, replacement projects, and OEM equipment.

✓	Municipal sewage treatment plants
✓	Industrial wastewater treatment systems
✓	Biological treatment tanks & Aeration basins
✓	SBR (Sequencing Batch Reactor) systems
✓	MBBR and IFAS aeration support
✓	Contractor and distributor stock supply



# Inquiry & Ordering Information

To receive a rapid quotation and arrange sample units, please provide the following project details:

## Quotation Checklist

- Product size (e.g., 9-inch EV-270 or 12-inch)
- Required quantity
- Destination country / target port
- Required delivery schedule
- Project type (New installation vs. Replacement)
- Any specific material or connection requirements

**Contact EnviroValor for stock availability, quotation, and sample arrangement.**

Email: [info@envirovalor.com](mailto:info@envirovalor.com)

Website: [envirovalor.com](http://envirovalor.com)

