

SUBMERSIBLE  
AERATION



# AQUADISC<sup>®</sup>

AIR DIFFUSION DISCS

WASTEWATER AERATION  
BY AIR DIFFUSION /  
FINE BUBBLE 1-3MM





## MAIN CHARACTERISTICS

Diffusers designed for aeration of activated sludge basins and tanks in Municipal and Industrial wastewater treatment plants.

Quick and easy to assemble by Rotating Diffusers clockwise into Screwed connection.

Designed to give optimum performance.





# ADVANTAGES

USE FOR FIXED OR REMOVABLE AERATION SYSTEMS

ONE OF THE HIGHEST OXYGENATION EFFICIENCIES ON THE MARKET, CERTIFIED BY INRAE

WHO REPRESENT THE NATIONAL RESEARCH INSTITUTE FOR AGRICULTURE, FOOD AND THE ENVIRONMENT SECTORS

HIGH CHEMICAL RESISTANCE

MECHANICAL AND ABRASION RESISTANT

COMPATIBLE WITH EXTREMELY HIGH TEMPERATURES

PRODUCT IS TOTALLY RECYCABLE

REGENERATION OF THE DIFFUSERS BY CLEANING THE MEMBRANE WITH FORMIC ACID

# OPTION

Maintenance by formic acid injection as and when required to reduce bio-fouling material

# COMPONENTS

## 1 DIFFUSER BODY

The manufacture of this component in Glass Reinforced Polypropylene gives it excellent resistance to abrasion, most chemicals with significant mechanical strength.

## 2 EPDM MEMBRANE

The EPDM Membrane prevents the penetration of water into the distribution pipework when the air is stopped.

## 3 CLAMPING TYPE

AQUADISC® 250-305: Clamps are manufactured in stainless steel or polypropylene and secures the membrane to the diffuser body;

AQUADISC® 320: Clamp made of glass fibre reinforced polypropylene.

## 4 THREAD 3/4" CONICAL GAS TYPE FITTING

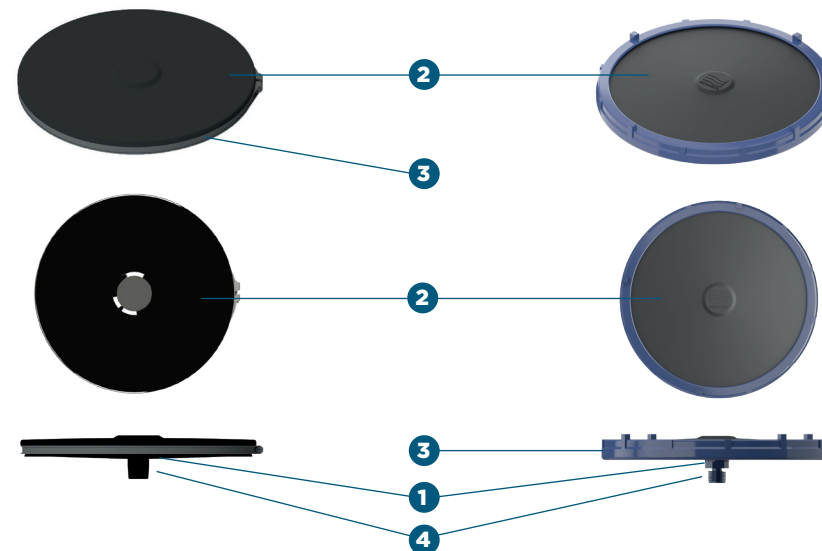
Allows Aquadisc® diffusers are mounted by simple turning clockwise

### AQD 250 AQD 305 DISC

Unit flow rate range 1-5 Nm<sup>3</sup>/h and between 2.5-11 Nm<sup>3</sup>/h  
Nominal flow rate 3-3.5 Nm<sup>3</sup>/h and between 4.5-7 Nm<sup>3</sup>/h  
Diaphragm diameters available 250 mm and 305 mm  
Diffusion area 0.045 m<sup>2</sup> to 0.073 m<sup>2</sup>  
Bubble size 1-3 mm. Weight of 250 mm dia. 0,45 Kg and 305mm dia. unit 0,66 Kg

### AQD 320 TUBULAR

Unit flow rate 3-12 Nm<sup>3</sup>/h  
Nominal airflow 5-7 Nm<sup>3</sup>/h  
Diffuser outer diameter 350 mm  
Diaphragm diameter 320 mm  
Diffusion area 0.08 m<sup>2</sup>  
Bubble size 1-3 mm Weight 0.75 Kg



## A STEP AHEAD IN WATER TECHNOLOGY

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