



AIR+ Membrane Air Diffusers

Aeration Membrane Diffusers

Description

Our range of AIR+ aeration diffusers, are circular membrane diffusers which provide a high level of oxygen transfer to water & wastewater, with a uniform, controlled air bubble size.



The diffusers provide high levels of oxygen transfer to aid aerobic biological processes and to minimise odour generation.



When air is injected into the diffuser, the rubber membrane lifts off the plastic support base, resulting in thousands of holes opening and releasing air.

Benefits:

The flat, large diameter design offers the following benefits:

- High oxygen transfer efficiencies
- Low cost and easy to install (glue to PVC pressure pipe)
- Rubber membrane ensures long service life
- Effective over a wide range of air flows.
- Pores in the rubber diaphragm close when the air supply is removed. This prevents the diffuser pores from becoming clogged.
- Thousands of pores emit streams of fine bubbles size is 1-3 mm diameter
- Low pressure drop of 4 kPa.
- Even air distribution over the full range of air flows.

Applications

The AIR+ diffusers may be used for aeration in:

- small, domestic aerated wastewater treatment systems (AWTS)
- industrial wastewater treatment plants
- municipal wastewater treatment plants
- wastewater lagoons
- lakes & rivers
- aquaculture and fish ponds.

Products For Wastewater Treatment

Enviowarehouse Warehouse have an extensive range of products for wastewater treatment, aeration and water quality monitoring. **Products include:**

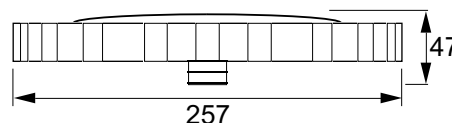
- Air blowers & air pumps (AIR+ range)
- Carbon filters for adsorption of organic chemicals which are not removed by biological treatment.
- Chemical metering systems.
- Dissolved oxygen test kits.
- Flocculants for sludge bulking control.
- Odour control chemicals.
- pH meters & controllers
- Sludge dewatering filters.

AIR+ M250 Membrane Diffuser

Technical Data:

Parameter	Value
Diameter	250 mm (10")
Membrane	EPDM (hardness 60°)
Number of holes	6,000
Bubble Size	1 - 3 mm
Air flow rate	1.7 - 4.2 m ³ /h (1.0 - 2.5 cfm)
Diffusion area	0.043 sq.m (66 sq. inches)
Membrane support	ABS
Air connection	3/4" NPT male or 20 mm PVC socket

Dimensions:

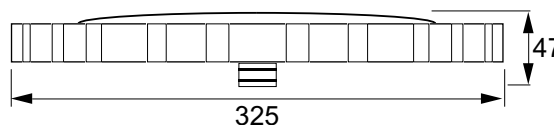


AIR+ M320 Membrane Diffuser

Technical Data:

Parameter	Value
Diameter	320 mm (12.5")
Membrane	EPDM (hardness 60°)
Number of holes	8,000
Bubble Size	1 - 3 mm
Air flow rate	3.0 - 5.9 m ³ /h (1.8 - 3.5 cfm)
Diffusion area	0.068 sq.m (106 sq. inches)
Membrane support	ABS
Air connection	3/4" NPT male or 20 mm PVC socket

Dimensions:



For additional information regarding these products please consult your local agent, Environmental Warehouse or visit our website.