

Diffuser

AKWATECH GJ HD 340



Disk diffuser AKWATECH GJ HD 340 is designed for finebubble aeration of water and wastewater. It is made of top-class certified materials, which guarantees the supreme world quality. The diffusers are corrosion-proof, they do not clog and can be applied for continuous and intermittent operation processes. The application of the diffusers and properly designed system guarantee supreme effects of aeration together with lower operation costs.

Diffusers AKWATECH GJ HD 340 may be used in the following processes:

- aeration of wastewater and activated sludge in averaging chambers of small-sized plants, home-system plants as well as collective of varied capacity,
- aerobic and oxygen treatment of water,
- aeration of water tanks, fish-breeding ponds,
- aeration of fish-storage tanks and aquaria.

TECHNICAL DATA:

Type of sewage:	Residential and industrial
Diffuser body:	1. Material: polyamide with 30% glass fibre 2. Diameter: 340mm
Fastening on pipe system:	1. External thread R 3/4" 2. EPDM connector to be fixed on PVC and PP pipes
Description of diaphragm:	1. Material: EPDM 2. Thickness: 2,0 mm ± 0,15 mm 3. Active surface: 600 cm ²
Working temperature:	5°C to 80°C
Pressure loss:	<20-30 hPa for air flow at 8 m ³ /h
Pressure loss at the end of lifetime:	<65 hPa for air flow at 8 m ³ /h
Guarantee for oxygen transfer in clean water:	18gO ₂ /(m ³ _N x depth in m.)
Air flow rates:	2-10 m ³ _N /h
Min. air flow:	2 m ³ _N /h, or completely switched off
Max. Air flow:	Shortly up to 15 m ³ /h (10min)
Lifetime:	Till 8 years in residential sewage treatment plants, depending on sewage constitution and terms of operation
Notice:	1. Possible diaphragm exchange

We also offer complete grids for aeration chambers made according to our engineering concepts and with the full acceptance of the investor. Our diffusers allow the use in various engineering solutions of grids. There is a choice between a self-sinking diffusers and grids as well as a bottom-fixed ones. Flexibility of the solution enables fitting the devices in objects of diversified purposes.



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