

# Diffuser AKWATECH GJ RT 63/1000



Tube diffuser AKWATECH GJ RT 63/1000 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 RT 63/1000 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:

<b>Type of sewage:</b>	Residential and industrial
<b>Diffuser body:</b>	1. Material: PVC 2. Ø63 mm, length: 1000 mm (other lengths also available)
<b>Fastening on pipe system: Washer:</b>	1. Internal thread 1" or ¾" O-Ring, EPDM
<b>Description of diaphragm:</b>	1. Material: EPDM or silicon 2. Thickness: 1,9 mm ± 0,2 mm 3. Active surface: 1600 cm <sup>2</sup>
<b>Working temperature:</b>	+5°C to 80°C
<b>Pressure loss:</b>	<50 hPa for air flow at 8 m <sup>3</sup> /h
<b>Pressure loss at the end of lifetime:</b>	<90 hPa for air flow at 8 m <sup>3</sup> /h
<b>Guarantee for oxygen transfer in clean water:</b>	18gO <sub>2</sub> / (m <sup>3</sup> <sub>N</sub> x depth in meters)
<b>Air flow rates:</b>	3-12 m <sup>3</sup> <sub>N</sub> /h
<b>Min. air flow:</b>	3 m <sup>3</sup> <sub>N</sub> /h, or completely switched off
<b>Max. Air flow:</b>	shortly up to 20 m <sup>3</sup> /h (10min)
<b>Lifetime:</b>	Till 8 years in residential sewage treatment plants, depending on sewage constitution and terms of operation
<b>Notice:</b>	1. Balasted version also available 2. Rubber sleeves for exchange



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