

# Diffuser AKWATECH

## GJ RT 32/1000



Tube diffuser AKWATECH GJ RT 32/1000 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 32/1000 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. Ø32 mm, length: 1000 mm (other lengths also available)
<b>Fastening on pipe system:</b>	1. Internal thread 1/2"
<b>Description of diaphragm:</b>	1. Material: EPDM 2. Thickness: 1,9 mm ± 0,2 mm 3. Active surface: 800 cm <sup>2</sup>
<b>Bubble size:</b>	2-2,4 mm
<b>Working temperature:</b>	+5°C to 80°C
<b>Pressure loss:</b>	<70 hPa for air flow at 4 m <sup>3</sup> /h
<b>Pressure loss at the end of lifetime:</b>	<100 hPa for air flow at 4 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>Recommended air flow:</b>	4-5 m <sup>3</sup> <sub>N</sub> /h
<b>Min. air flow:</b>	1 m <sup>3</sup> <sub>N</sub> /h, or completely switched off
<b>Max. Air flow:</b>	shortly up to 10 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 and version for pure oxygen also available.



“AKWATECH” PRZEDSIĘBIORSTWO INŻYNIERII KOMUNALNEJ Spółka z o.o.  
POLAND, 61-696 Poznań - ul. Serbska 4 ☐ tel. +48 61 820 20 11 ☐ fax +48 61 820 20 91

Konto: Bank Zachodni WBK S.A.1 Oddział Poznań  
Nr 2610901463000000046001522

NIP 778-00-43-631  
KRS Nr 0000077268 S.R. w Poznaniu

<http://www.akwatech.com.pl>  
e-mail: [info@akwatech.com.pl](mailto:info@akwatech.com.pl)