



KIRCHHOVEN

Municipal WWTP

50,000 P.E. / Q_{inlet} 10,000 m³/d

The water association Eifel-Rur runs 43 WWTPs in total. One of them is the biological wastewater treatment plant Heinsberg-Kirchhoven, which is designed for 50,000 EGW. In 2020, in the course of a modification, the aeration system was replaced and liftable frames, equipped with AEROSTRIP® strip diffusers, were installed.

NUMBER OF TANKS	2
TOTAL VOLUME	9,600 m ³
WATER DEPTH	5.06 m
SOTR (Standard Oxygen Transfer Rate)	max. 1,944 kg O ₂ /h
TOTAL AIRFLOW	max. 20,840 Nm ³ /h
TOTAL AEROSTRIP® DIFFUSERS	264

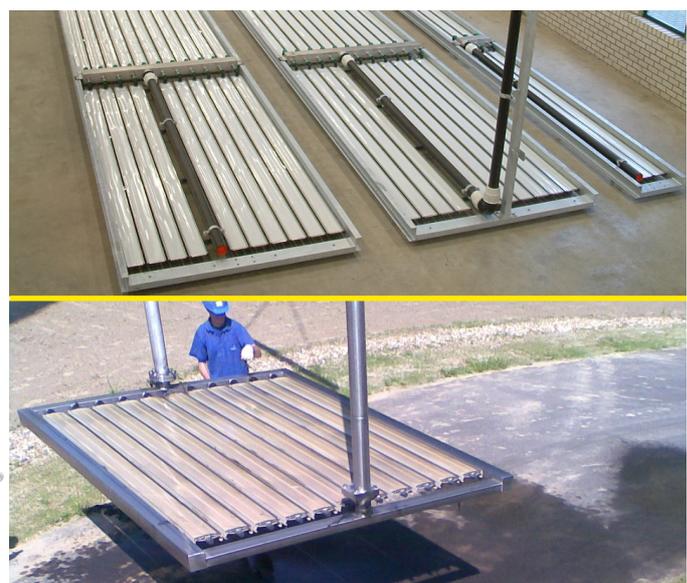
AEROSTRIP® LIFTABLE FRAMES

AEROSTRIP® diffusers can be easily mounted on a substructure or frame by using a specific fastening material. This makes installation easier for tanks with a sloped floor and allows diffusers to be mounted on liftable frames.

In Kirchhoven there was another special requirement: Since the aeration tanks could not be emptied for installation work, the conversion was carried out during ongoing operations. However, this hurdle was no problem for frame-mounted AEROSTRIP® diffusers.

At the Kirchhoven plant, about 15 diffusers are installed per frame. However, this number can be adapted easily on individual requirements.

Whether mounted directly to the tank floor, height-adjustable or liftable: AEROSTRIP® diffusers can be adapted to the challenges of any individual system and are therefore always the optimal solution.



AEROSTRIP®

fine bubble diffusers by AQUACONSULT