



KIRCHHOVEN

Municipal WWTP

50,000 P.E. / Q_{inlet} 10,000 m³/d

Number of Tanks:	2
Total Volume:	9,600 m ³
Water Depth:	5.06 m
SOTR Standard Oxygen Transfer Rate:	1,944 kg O ₂ /h
Total Airflow:	20,840 Nm ³ /h
Total AEROSTRIP® Diffusers:	264

The water federation Eifel- Rur runs 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, occupied by AEROSTRIP® strip diffusers, were installed.

AEROSTRIP® - liftable frames installation during operation

AEROSTRIP® diffusers have special mounting brackets that makes it very easy to attach the diffusers on a frame structure. This facilitates installation for plants with sloping tank floors and allows the diffusers to be mounted on liftable frames.

In the case of Kirchhoven, there was another special requirement: The basins could not be drained for the diffuser installation. Thus, the installation was carried out during operation. No problem for AEROSTRIP®.

In Kirchhoven, 16 diffusers were mounted on one liftable frame. However, the number of diffusers per frame can easily be adapted to local needs. Here a few examples:



Mounted directly on the bottom of the tank, height adjustable or liftable: With AEROSTRIP® diffusers there is always an optimal solution.

AEROSTRIP®

fine bubble diffusers by AQUACONSULT

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