

Aerobic Service: For Performance Optimisation

Optimise the performance of your biological filter systems: The aerobic service package of HAGER + ELSÄSSER® re-establishes the initial productive efficiency and reliability of operation of your biofilter and helps extend its life cycle.

Biofilters are highly effective and reliable reactors for the degradation of organic substances in wastewater. But even the most robust system can diminish in its effectiveness and reliability after years of working dependably. Indications for this might be the following symptoms: The

performance level is no longer fully reached. The filtration material filling height no longer corresponds to the initial height due to material loss. The counter-pressure for the blowers is increased, resulting in higher energy costs. Finding out the reasons of the decreasing

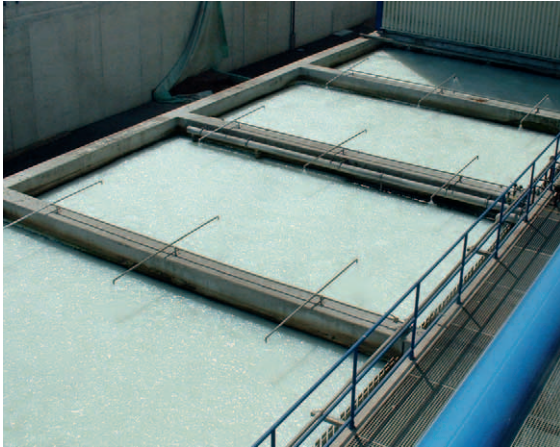
performance of the filter and remedying the situation is the task of HAGER + ELSÄSSER®'s biofilter service team. This might include scrutinising process conditions and water analyses, drawing samples and testing of the filtration material on site, examining both the

process and purging air, and monitoring the rinsing process. This comprehensive system analysis leads to finding potential error sources. Our service professional will then discuss with you how to "revitalise" your biofilter. When it comes to the implementation of the measures

and the procurement of materials required for this purpose, HAGER + ELSÄSSER®'s service personnel is at your disposal.

If you desire, we can take care of monitoring all restructuring and maintenance measures in the course of the biofilter

service. Don't just take our word for it – see for yourself how you can benefit from our long-term experience and expertise in the design and construction of biofilters. We are happy to assist you in achieving the goal of an efficient and robust filter operation.



Our service includes all parts of your biofilter.

Benefits

Many years of experience as well as the latest findings in the construction and operation of aerobic reactors qualify H+E to one of the world's most competent service partners.

Service and maintenance work and the resulting analyses are always carried out from the point of view of procedural developments of your biofilter.

H+E creates an overall picture of the filter system by means of a systematic and comprehensive information intake and evaluation. This enables a complex statement on possible optimisations in all areas.

In the on-site implementation, our experts accompany all measures in close consultation with the customer.

Services*

System inspection

- Software update (sequence diagram)
- Hardware (status of container wall and nozzles, degree of wear, filtration material and filling level)
- Operational system test (bubble formation, effectiveness of rinsing)

Overhaul

- Container coatings
- Nozzle system sealing

Conversion

- Energy-saving and robust nozzle system "2 in 1"

Material procurement, installation and filling

- Filtration material
- Nozzles, etc.
- Coordinated nutrient solutions "all-in-one"

Adaption of process control

- Update of the rinsing cycle

* Extract. Please ask for a detailed offer.

Take Advantage of Our Consultancy Expertise

We always strive to offer our customers the technically as well as economically best solution for them, one that precisely meets their needs. Therefore we use the entire know-how of all the applied processes which we have acquired in building more than 30,000 plants. Thus we make sure that we contribute to cost optimisation and the economic use of water resources, as well as to massive energy cost savings and a significant reduction of emissions in their industry.