

Continuous filtration and Sand-Cycle technology: a perfect match

Our journey

Started as a promising idea 10 years ago, has proven to be a perfect match in continuous media filtration: Sand-Cycle monitoring and control, using RFID tags as a proxy for the movement of filter media. Hundreds of plants with different shapes and makes are now equipped with this technology.

As we received a lot of feedback from the community of practice and analyzed huge datasets, our development team worked on extending the functionalities and incorporating new features. We are proud to share that a bright new Sand-Cycle version has been successfully released at two industrial clients in Germany.

What new functionalities and features have been implemented?

What's new is listed below:

- the user interface has been improved by implementing local touch screen visualization;
- communication with client's SCADA systems has been standardized and simplified;
- analysis of all relevant process parameters has been massively increased to follow-up long-term trending;
- an intermittent washing mode of operation is automatically supported;
- the applicability for applying different filter media, e.g. sand or granular activated carbon, is enlarged;
- predictive maintenance records of wear and tear parts is indicated;
- improved communication between end-user and technology supplier, facilitating trouble shooting;
- standardized readers to process RFID tags for every continuous filter make in the marketplace.

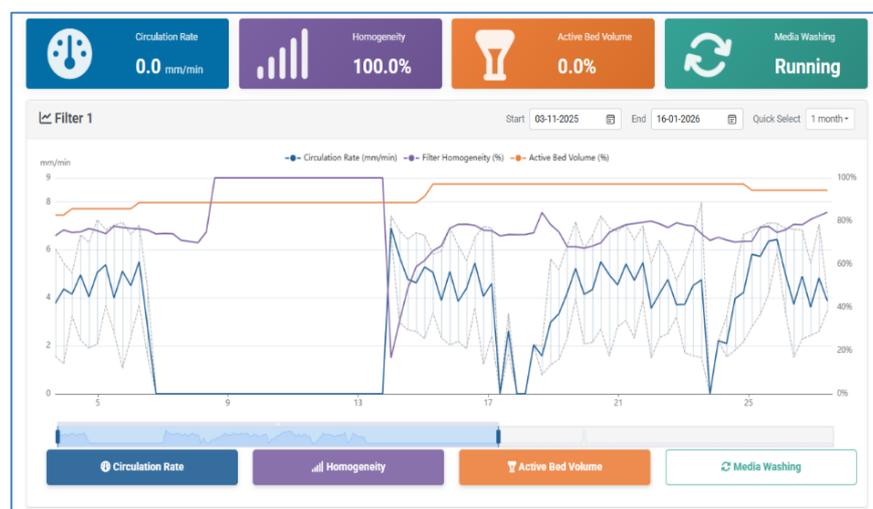


Development work in progress

Our new Sand-Cycle device has been prepared to incorporate a process air control. This allows us to adjust the air supply in function of the actual load of the continuous filter. Our elaborate field research detected a clear relationship between solids load and optimal media circulation to optimize filter performance. This knowledge is used to actively control the optimal settings under varying operating conditions.

We are happy to assist!

Our objective is to make the most out of continuous media filtration for each and every application: solids removal, biological applications (N and P removal) and/or removal of micropollutants. No matter which make or shape, Sand-Cycle technology is easy to implement making the difference in the day-to-day operations, uptime and filter performance. Please reach out for more information.



Collaborating to help using our global water resources respectfully