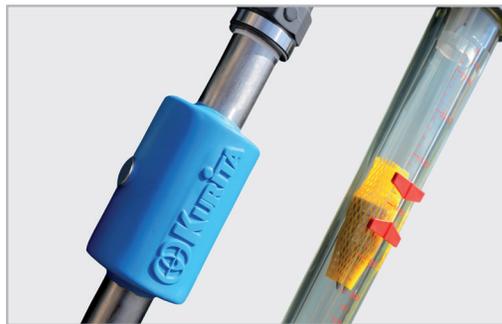




Kurita's new generation of online monitoring. HydroBio® ASC: Advanced Scaling.

Kurita is introducing a new and innovative equipment to determine online the thickness of biofilms and scaling: **HydroBio® ASC**. It is designed to simulate as closely as possible the real conditions inside a tube or heat-exchanger. This enables the user to follow up the formation of biofilms (development and detachment) or scale in his water system. Also the measurement principle itself is based on the real effect biofilm or scale has on the plant equipment: the loss of heat transfer efficiency.



Biofilms build up from Extracellular Polysaccharids (EPS) produced by microorganisms are a severe risk to plant equipment. Besides the reduction of heat transfer, biofilms host and shelter dangerous microorganisms like Legionella and amoebes.

Insufficient treatment control can cause hardness like Calcium Carbonate, to deposit on hot surfaces of heat exchanger tubes. **HydroBio® ASC** is built to simulate these conditions of a heat exchanger. At the same time **HydroBio® ASC** continuously measures the thickness of such a layer and therefore can monitor the development of scaling.

Customers' benefits include:

- Protects the plant equipment from heat transfer losses and microbiological influenced corrosion
- Reduces Legionella risk (biofilms are a source and shelter for Legionella and other dangerous microorganisms)
- Useful for process control
- Detects increased microbiological activities leading to formation of biofilms
- Optimises the dosage of biocides
- Measures continuously
- Just in time- results
- Clear results

Kurita's qualified experts will be glad to advice personally and individually.

HEADQUARTERS

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About Kurita Europe

Kurita Europe is a subsidiary of Kurita Water Industries Ltd., headquartered in Tokyo (Japan). Kurita is one of the international market leaders in industrial water and process treatment. Our products and services for cooling water systems, boilers, membrane filtration units and drinking water inhibit scaling and corrosion, thus increasing the efficiency of systems, optimising processes, and saving water and energy. Over 3,500 patents are proof of Kurita's innovative approach to a resource-saving consumption of water. Moreover, Kurita is one of only 30 worldwide enterprises listed in the Nature-Stock-Index (NAI).

More information about NAI:
<http://www.nai-index.de>



Equipment & Engineering.

Equipment and Engineering provides the right solution for special applications – ranging from simple dosing pumps up to specific dosing systems. Moreover, Kurita offers also monitoring and control equipment to avoid under- and overdosages. Furthermore, Kurita provides specific equipment to follow the KPIs of our customers' systems, verifying the expected treatment effect is achieved.

CONTACT

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