

Intelligent purification makes process fluid bacteria-free

The Swedish environmental engineering company Wallenius Water has developed a method that stops growth of bacteria in process fluids without needing to add chemicals. A new product is now being launched with built-in intelligence, an advanced management and control system and simple, risk-free handling.

Bacterial attack on, for example, metalworking fluids creates problems for workshops engaged in metalworking. It involves high maintenance costs and lost production. As the traditional purification methods are costly and increase risks in the working environment, a chemical-free method to stop the growth of bacteria in the fluid has been developed - FluidWorker 300.

Purification of process fluid in a new way

The design contains a unique reactor where the process fluid is treated with ultraviolet light (UV). UV reduces and limits the presence of bacteria in process fluids. A bacterial attack rapidly impairs the function of the fluid. With FluidWorker installed, the bacteria never have time to grow and the process fluid consequently retains its properties, extending its service life and delivering more stable production. With no bacteria and reduced use of chemicals, the working environment is also improved. FluidWorker 300 is Wallenius Water's most intelligent purifier thus far, with an advanced management and control system, simple handling, minimum maintenance and fast installation.

"FluidWorker 300 safely reduces the bacteria in process fluids. With constant purification and a safe working environment, the company can focus on its core business," says Hans Ahlgren, Business Area Manager at Wallenius Water.

Fourth generation

FluidWorker 300 is the result of many years of research and is the fourth generation process fluid purifier launched by Wallenius Water. Wallenius Water currently purifies process fluid at companies including GKN Aerospace, Siemens Industrial Turbomachinery, SSAB and Outokumpu.

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Wallenius Water is a Swedish environmental engineering company that develops and markets upstream solutions to purify liquid flows in industrial processes. The systems' applications include purifying ballast water in ships, recirculating water in fish farms and process fluids within the metalworking industry. Wallenius Water's solutions are sold and distributed in Europe and Asia.

For further information, visit www.industrialfluidcontrol.com