Atlantium
Illuminating Water Technologies

NEWS BRIEF

UV Water Treatment
Hydro-Optic™ Technology

Leading Global Producer of Wipes Installs Hydro-Optic™ UV to Protect Product Water Loop

At the beginning of 2020, one of the world's leading producers of wipes turned to Atlantium's medium-pressure, high-intensity Hydro-Optic™ (HOD) UV system to protect its product water loop from microbial contamination.

The space-saving and operator friendly design of the HOD UV technology was specifically chosen to replace an existing and complicated heat pasteurization process. With HOD UV the facility can achieve unprecedented microbial inactivation of their inlet water to a level of pasteurized equivalent, safely and efficiently without the use of heat.

Atlantium's HOD UV technology is designed to achieve unmatched microbiological inactivation levels: hydraulic and fiber-optic principles are integrated with the simplicity and effectiveness of UV disinfection.

The installed HOD UV system (RZ104-11) treats a maximum flow rate of 20 m^3/h and features one intensity sensor per lamp and one UV Transmittance sensor. This unique approach to monitoring and control ensures the exact UV dosage is applied, saving annual energy consumption dramatically. Because the HOD UV system uses only 1 kW per hour in comparison to the existing heat pasteurization process, which used 150 kW per hour, the new disinfection process is expected to deliver significant energy savings and return on investment in less than a year.

Atlantium's technology has provided the client with a disinfection solution that is free of headaches and maintenance complexity in comparison to the previous disinfection processes. The client has been very satisfied with the HOD UV microbial inactivation results and the low OPEX; as a result of this successful installation, another HOD UV system has been purchased.

Atlantium's Hydro-Optic™ (HOD) UV system delivers unprecedented microbial inactivation to a pasteurized equivalent without the use of heat.

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For more information, contact your Atlantium representative