



For Immediate Release

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Severn Trent Services Introduces the MicroDynamics® Closed Vessel Microwave UV System

Economic, reliable, safe disinfection with Cryptosporidium certification for municipal and industrial applications

FORT WASHINGTON, Pa. – March 31, 2009 – [Severn Trent Services](http://www.severntrentservices.com) has introduced the new [MicroDynamics® Closed Vessel Microwave Ultraviolet \(UV\) disinfection system](#). The innovative UV design is suitable for use across a range of municipal and industrial applications, including municipal water and wastewater treatment, swimming pool disinfection, cooling tower water disinfection, industrial water treatment and *Cryptosporidium* treatment.

The system uses microwave energy to energize the bulbs and generate consistent-strength UV disinfection. MicroDynamics microwave UV offers extended bulb life and reliability, operating cost savings and health and safety benefits for employees on site due to its unique design. The bulb replacement and maintenance costs of MicroDynamics systems can be as little as half of competing UV technologies, primarily driven by the unique microwave powered electrodeless lamps. Each system comes with a three-year bulb life warranty.

MicroDynamics microwave UV electrodeless lamps operate at similar pressures and temperatures to traditional low pressure lamps. A single MicroDynamics CV02 system can treat flow rates up to 6,000 m³/day (1200 GPM). Multiple vessels can be arranged in series or parallel to increase the flow rate through the system.

The MicroDynamics design ensures simplified and safer maintenance compared to other systems. In addition, the systems are suitable for high-pressure design operations up to 10 bar (145 psi).

The MicroDynamics CV02 system is ideal to treat *Cryptosporidium* and has been validated for a log 4 *Cryptosporidium* credit by HydroQual Environmental Engineers and Scientists, P.C. per the latest United States Environmental Protection Agency UV Disinfection Guidance Manual LT2 regulations.

About Severn Trent Services

Severn Trent Services (www.severntrentservices.com), with global headquarters in Fort Washington, Pa., USA, is a leading supplier of water and wastewater solutions. The company's broad range of products and services is concentrated around disinfection, instrumentation and filtration technologies, and contract operating services. Our analytical services group is the United Kingdom's leading environmental testing organization, and our international operating services business provides worldwide contract operation and support for all aspects of water and wastewater utility operational development and business transformation. Severn Trent Services is a member of the Severn Trent Plc (London: SVT.L) group of companies. Severn Trent is a FTSE 100 company.

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