

Premier Tech Aqua Introduces a Self-Cleaning UV for the Disinfection of Wastewater from Isolated Dwellings

Rivière-du-Loup, July 12, 2010 - Premier Tech Aqua (PTA), a business unit of Premier Tech, proudly announces the introduction of a tertiary treatment system using a “self-cleaning” ultraviolet radiation (UV) unit for the disinfection of wastewater from isolated dwellings, following a business agreement combining PTA’s strengths to those of UV Pure Technologies Inc.

This automatic cleaning system directly answers the concern highlighted back in 2008: how to ensure that UV disinfection units will, at all time, respect the requirements of tertiary treatment when no sites share the same conditions.

The « self-cleaning » functionality of DiUV Self-cleaning ensures a daily cleaning independently of the variations of water quality and lifestyle (flow rates and stop periods) observed from a household to the next. PTA’s DiUV Self-cleaning unit starts one (1) cleaning cycle of duration of five (5) minutes each, every four (4) hours, eliminating quartz fouling. Consequently, there are six (6) cleanings a day, for a total of 2 000 annually, that ensure with reliability the respect of environmental requirements. Compact and flexible, the DiUV Self-cleaning is compatible with most advanced secondary treatment systems. A treatment chain including an advanced secondary treatment system and the DiUV Self-cleaning must be certified NQ-3680-910 to be installed in the province of Quebec.

“Premier Tech Aqua’s mission is about offering to homeowners, communities, institutions, businesses and industries the best quality/price ratio wastewater treatment solutions adapted to their respective realities, said Henri Ouellet, President of Environmental Technology Group of Premier Tech. The team has worked at responding to the concern around the maintenance of disinfection UV systems to ensure, despite site condition variations, the safety of public health and that of the environment”.

The DiUV Self-cleaning unit is the result of follow-up and validation analysis of many UV disinfection systems, working in different conditions, which integrated UV Pure’s Crossfire™ technology with the “self-cleaning” functionality.

“Field validation tests demonstrated the high reliability and efficiency of the self-cleaning systems using the UV Crossfire™ technology. We observed that the treatment performance was maintained even in the most demanding conditions, declared Roger Lacasse, Scientific and Technical Director at Premier Tech Aqua. Moreover, the treatment chain including an Ecoflo® Biofilter combined to the DiUV Self-cleaning is now NQ 3680-910 certified.”

Homeowners and communities now benefit from an alternative solution to tertiary treatment with disinfection that brings total peace of mind when considering the safety of public health.

ABOUT UV PURE

UV Pure Technologies is a global leader in the development & manufacture of advanced ultraviolet water purification systems. Patented Crossfire™ Technology, incorporated in all UV Pure's systems is self-cleaning and self-managed, designed to solve the problems inherent in conventional UV systems. Today, Crossfire Technology™ has been integrated in more than 9000 systems serving homes, golf clubs, schools, residential developments, embassy residences and municipalities in North America, Australia, and in some developing countries. Crossfire Technology was recently chosen by Boeing to purify water on board its new advanced 787 Dreamliner. Pure safe water. *Always.* www.uvpure.com

ABOUT PREMIER TECH

Since 1923, Premier Tech has been building its know-how and reputation on the diversity and technological expertise of its 2 000 team members located all around the world. As one of Premier Tech's business units for over 20 years, Premier Tech Aqua (PTA) has become an international leader in the field of onsite and decentralized wastewater treatment technologies for the residential, commercial, community, and industrial sectors. With over 45 000 installations, each coupled with a rigorous inspection, maintenance and documented follow-up program performed by a large network of partners, PTA is undoubtedly one of the leaders in its industry. Active in North America, Europe and Asia, PTA is proud of the quality, performance, and reliability of its solution offering. www.premiertechaqua.com

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To learn more, consult the [DiUV Self-cleaning](#) web page.