



ITT

Newsletter

ITT Water & Wastewater Canada Treatment
Spring 2009



ITT Water & Wastewater Canada is pleased to present you with its **Spring 2009 Treatment Newsletter**. We hope you find the contents both informative and of interest. The intent is to publish several issues each year with articles of interest to ITT Water & Wastewater customers regarding processes, products and events of interest to the Treatment Market in Canada.

Should you have comments or suggestions for topics you would like addressed in the future, please contact:

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ITT and Atlas Copco in alliance to provide energy saving solutions for wastewater treatment market

ITT Corporation and Atlas Copco announced they have entered into a worldwide strategic alliance to provide significant energy-saving solutions for municipal wastewater treatment plants.

Energy-efficient blowers from Atlas Copco's Oil-free Air division are now being jointly offered with ITT aeration and mixer technologies to reduce energy costs by up to 40 percent in the secondary treatment phase.

"Joining forces with Atlas Copco in this market means we can now offer our municipal customers a more complete solution for reducing energy consumption," said Jan Pedersen, marketing Implementation Manager.

ITT has determined that 55 percent of energy costs at treatment plants are incurred by aeration blowers. This led to the decision to collaborate with a blower manufacturer that specified energy efficiency in its core design.

"Atlas Copco became our obvious choice in view of its energy-efficient ZB and ZS+ range of blowers," explained John P. Williamson, president of ITT's Water & Wastewater business. "Atlas Copco also has a global organization matching ITT's worldwide capacity to provide prompt and reliable after-sales service in some 140 countries."



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Engineered for life

ITT and Atlas Copco in alliance to provide energy saving solutions for wastewater treatment market (continued)

Rollout of the joint initiative has already occurred in Europe and is now proceeding in North America, Asia, the Middle East and Africa.

“We expect this partnership to drive sales for both companies and produce significant savings for our joint customers — the municipalities,” said Ronnie Leten, president of Atlas Copco’s Compressor Technique business area. “They will be getting the expertise of ITT as the world leader in wastewater treatment plant fluid handling, along with the assurance of achieving maximum energy efficiency regardless of setup.”

With its knowledge of energy-efficiency in blower control, Atlas Copco will also support ITT with plant audits, resulting in further optimization of installations and operations.

SMO/A 900 ozone generator Setting the standard among ozone generators.

We are excited to announce ITT Water & Wastewater has extended its range of standard WEDECO ozone generators. The new WEDECO SMO/A 900 sets the standard among the worldwide range of ozone generators. The state-of-the-art PSU technology and the virtually maintenance-free EFFIZON® HP electrodes combine for a cost-effective and reliable system for ozone production of more than 1,000 ppd.

The SMO/A 900 bridges the gap between the existing SMO/A and PDO/A product lines and is **THE LARGEST PRE-ENGINEERED OZONE GENERATOR AVAILABLE IN THE MARKET TODAY.** This new generator combines the advantages of a compact standard solution with the high performance of our larger ozone generators. In addition to the superb performance of the generator, all components are contained within a compact, space-efficient design.

Pre-assembled on a skid, the system comes ready for installation after having undergone intensive testing under maximum customer specified performance conditions in the factory. The development team for the new generator is thrilled to have exceeded all design goals for making the WEDECO SMO/SMA 900 system with 12-pulse technology efficient, compact, and reliable.

WEDECO



The new SMO/SMA 900 Ozone Generator.

WEDECO UV lamp RECYCLING

For a cleaner environment.

In an effort to provide a safe and efficient manner to dispose of WEDECO ultraviolet lamps, ITT W&WW offers WEDECO UV lamp recycle services. We will accept ultraviolet lamps for proper disposal under the following requirements:

1. The ultraviolet lamps being returned for disposal must be replaced with WEDECO UV Technologies ultraviolet lamps. This must be a one for one exchange.
2. Call the nearest ITT W&WW sales location for a Returned Goods Authorization number. This is required for all items returned to ITT W&WW. Any item returned to ITT W&WW without an R.G.A. number will not be accepted. A Customer Service Representative can make your return arrangements at 1-800-588-7867.
3. The ultraviolet lamps being returned must be packaged and returned to the nearest ITT W&WW sales location in the same manner as originally shipped to the customer.
4. The lamps being returned must be clearly marked with description, quantity, and R.G.A. number.
5. Ultraviolet lamps are to be shipped to the nearest ITT W&WW sales location at the customer’s expense.
6. For additional information, please contact a Customer Service Representative at 1-800-588-7867.



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Efficient pumping solutions for viscous liquids

“A range of technically engineered progressing cavity pumps, designed to give least whole life costs and reduced spares requirements.”

Whether you need to pump liquids with high solids content, or dose anything from neutral to aggressive liquids of high to low viscosity, ITT Water & Wastewater can supply you with the total solution for your needs. Our extensive range of progressive cavity pumps is based on a modular system to cover virtually any such application. The pump design and material can be selected to suit your application, and the pumps can be installed horizontally or vertically.

Flygt brand’s progressive cavity pumps use hollow rotors, which greatly increase the life of the pump and reduce maintenance. Hollow rotors also reduce operating noise, and permit operation at higher rotational speed without thereby increasing wear.

“A competitively priced progressing cavity pump, with a compact construction and maximum performance characteristics.”

Progressive cavity pumps are self-priming, rotary displacement pumps with a wide range of applications in processes for handling sludge, slurry and other viscous media. The rotor turning inside the stator forms cavities that progress uniformly from suction to discharge, carrying the liquid with them. This type of pump has the added advantages of providing highly accurate dosing.



Unique wastewater treatment website launched by ITT Water & Wastewater

Probably the world’s most comprehensive wastewater treatment web has been unveiled by ITT Water & Wastewater. Meant for professionals and lay readers alike, www.ITTtreatment.com makes it easy to understand wastewater treatment functions, along with installation and design challenges.

Special emphasis is placed on user-friendly navigation for determining correct product choices and much else, including technical details such as dimensional drawings and performance data. ITT Water & Wastewater is world-leading in providing products and expertise for the wastewater treatment industry encompassing more than 140,000 treatment plants worldwide.

“The industry has long needed a detailed and authoritative site providing product and installation recommendations,” says Therese Premler-Andersson, Communications Manager for Wastewater Treatment. “What’s more, the site is very, very comprehensive – everything from case stories, product brochures, description of processes and functions, and, of course, Q&A.”



She added that the site “without question points to our expertise and commitment to achieve best functionality in pumping, mixing and aeration in a treatment plant.” The site is mainly geared towards contractors, end users and consultant engineers.

Importantly, www.ITTtreatment.com offers troubleshooting for customers and prospects; while computational Fluid Dynamics (CFD) tools and instructional films spell out the ABCs of treatment so clearly they can be used in classrooms.

www.ITTtreatment.com, currently offered in English, French, Spanish and German, will be further expanded to embrace other languages.