



PRESS RELEASE
For Immediate Release
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Mazzei Introduces a Pipeline Flash Reactor™ for Municipal Wastewater Treatment

More efficient aeration system eliminates the need for post-treatment basins or cascade systems.

BAKERSFIELD, Calif. —Mazzei Injector Company LLC, the world’s largest manufacturer of high efficiency “venturi” type injectors, has announced the addition of its Pipeline Flash Reactor™ (PFR) product for post-treatment aeration or pure oxygen injection in wastewater treatment applications.

Municipal wastewater plants typically have to employ some method of treatment to increase dissolved oxygen prior to final discharge into receiving waters. Mazzei’s Pipeline Flash Reactor provides a new technology for rapid oxygen transfer within a compact footprint. The system utilizes a small side stream passed through a patented Mazzei Injector to draw in ambient air or concentrated oxygen. The aerated side stream is then delivered to the Pipeline Flash Reactor where it aggressively mixes with the main flow, uniformly transferring the oxygen in the effluent pipeline.

Where space is an issue, such as in existing built-out urban areas, the PFR eliminates the need for post-treatment cascading systems or diffuser basins required by other technologies. The PFR can also be utilized for the dissolution of oxygen gas in systems with high dissolved oxygen requirements.

“Pipeline Flash Reactors are custom designed to each client’s application and Performance requirements,” said Larry Burbach, Vice President of Sales. “Our team works closely with the client’s design engineers and staff to produce a custom product that fits their needs”. “Each one is different.” Other benefits of the Pipeline Flash Reactor include the elimination of noise and high maintenance costs and downtime associated with blowers and bubble diffusion basins as well as the problems that cascade systems have with flooding, Mr. Burbach noted.

For more information about the Pipeline Flash Reactor Technology, please contact Mazzei Injector Company, LLC at (661)363-6500 or visit www.mazzei.net.



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About Mazzei

Founded in 1978, The Mazzei Injector Company, LLC is headquartered in Bakersfield, California. The company manufactures patented products and processes including high efficiency “venturi” type injectors for the agricultural, water, wastewater, pool/spa and wine industries. Each industry uses the patented Mazzei injector in unique applications.