



## MAZZEI PIPELINE FLASH REACTOR™

More efficient  
wastewater  
aeration system.  
Eliminates the  
need for basins.



### How the System Works

Municipal wastewater plants employ multiple treatment methods to increase dissolved oxygen prior to final discharge into receiving waters. Mazzei Injector's Pipeline Flash Reactor™ provides rapid oxygen transfer within a compact footprint. A small sidestream is passed through a Mazzei injector to draw in ambient air. The aerated sidestream is then delivered to the Pipeline Flash Reactor where it aggressively mixes with the main flow, uniformly transferring the oxygen in the effluent pipeline. This eliminates the need for additional tanks or basins required by other technologies. The Pipeline Flash Reactor can also be utilized with oxygen feed gas for systems with high dissolved oxygen requirements.



### Efficient Wastewater Mixing

- ▶ Fabricated in 316L Stainless Steel
- ▶ Rapid oxygen transfer in a small footprint design
- ▶ Increases dissolved oxygen distribution and uniformity
- ▶ Eliminates need for basins for new or retrofit systems
- ▶ Custom design to meet plant performance requirements
- ▶ Eliminates high maintenance cost associated with blowers and bubble diffusion basins

Contact us today.

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