



Mazzei Injector Corporation provides the AirJection® process, a highly efficient Venturi aeration systems for water and wastewater treatment aeration and basin mixing.

Basin (tank, pond or lagoon) water is pumped at low pressure (10 to 15 psig) through patented “High Efficiency” Mazzei® injectors. The Mazzei® injector aspirates large volumes of ambient air or concentrated oxygen without the use of “**Noisy**” blowers.

The air/water mixture exiting the Mazzei® Injector moves to patented Mazzei® Mass Transfer Multiplier (MTM) Nozzles for discharge into the aeration vessel at velocities of 15 to 20 ft/sec. MTM nozzle exit velocity shears the gas-liquid flow into a fine two-phase dispersion “Jet”. The MTM nozzle mixing eductor effect provides rapid mixing of the gas/water jet with 4 to 5 volumes of bulk solution in the basin.

Silent Operation – No Blowers

High Certified SOTR

No Depth Limitation

High Certified Alpha Factor

Non Fouling – No Diffusers

Thermal Conservation

Easily Retrofitable

www.airjection.net

Call us at 661-363-6500