

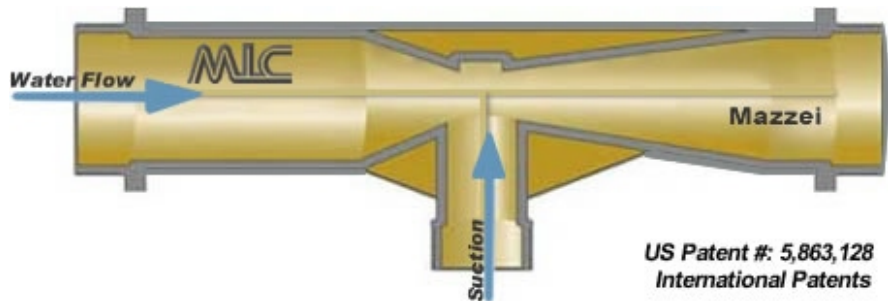
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MAZZEI® VENTURI INJECTOR

Mazzei® Injectors are high-efficiency, venturi-type, differential pressure injectors with internal mixing vanes. When a sufficient pressure difference exists between the inlet and outlet ports of the injector, a vacuum is created inside the injector body, which initiates suction of a liquid or gas through the suction port.



How a Mazzei® Injector Works

When pressurized water enters the injector inlet, it is constricted toward the injection chamber and changes into a high-velocity jet stream. The increase in velocity through the injection chamber results in a decrease in pressure, thereby enabling an additive material to be drawn through the suction port and entrained into the water stream. As the jet stream is diffused toward the injector outlet, its velocity is reduced and it is reconverted into pressure energy (but at a pressure lower than injector inlet pressure).

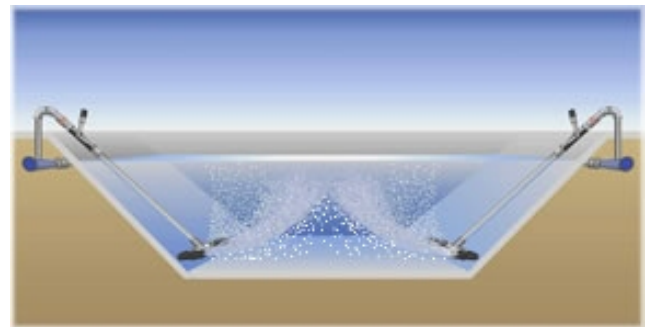


Black Molded PVDF Mazzei® Injectors

Range in size from 1/2" to 4" inlet/outlet.

Special Features:

- ◆ **INTERNAL MIXING VANES**
 - ◆ Positioned to maximize injector efficiency, suction capacity, and mixing capabilities
- ◆ **Trouble Free Operation** with no moving parts
- ◆ **Proven Performance** with years of expected service
- ◆ No electrical connections needed
- ◆ Can run dry with no problems
- ◆ Considerable cost savings versus other injection methods
- ◆ Safe to use as the chemicals are under vacuum, not pressure
- ◆ Constant injection assures **Uniform distribution of Material**
- ◆ **Long Product Life** constructed of strong, chemical-resistant PVDF (KYNAR® and HYLAR®) with a 5-year warranty or POLYPROPYLENE with a 1-year warranty.
- ◆ ISO-R (BSPT) threads available in PVDF models



Loop Method AirJection® System:

From the recirculating pump, a PVC pipe is looped around the water basin. Individual Mazzei® Injectors stem off from the pipe loop, and discharge down to a pair of Mass Transfer Multiplier™ Nozzles in the basin.