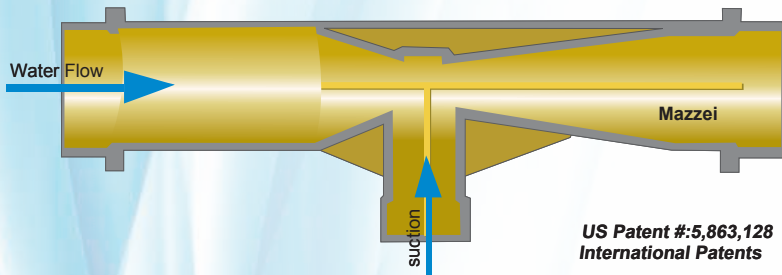


MAZZEI INJECTORS

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.



Item #	Description
80040001	Injector, Mazzei, 384-PP, ½" Inlet / Outlet
13584-484A	Injector, Mazzei, 484A-PP, ¾" Inlet / Outlet
13584-384	Injector, Mazzei, Bypass Kit 384-PP, ½" Inlet / Outlet
80040004	Injector, Mazzei, Bypass Kit 484A-PP, ¾" Inlet / Outlet

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).

Mazzei® Injectors are extremely efficient. They operate over a wide range of pressures and require only a minimal pressure differential between the inlet and outlet sides to initiate a vacuum at the suction port.

Mattson / Witt K7225 Eductor

Used for iron removal - the K7225 Eductor is used in combination with an aeration tank and a backwashable filter containing special media adds a controlled amount of air to the water supply just before it enters the aeration tank. As the water sprays into the aeration tank it picks up more air. The oxygen in the air starts the natural iron removal process by oxidizing the iron and causing it to come out of solution. The iron can then be more easily filtered.



Item #	Description
33354	Eductor PVC 1" FXF 0-15 GPM Single Port