

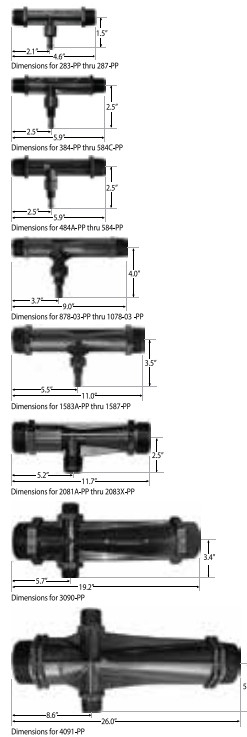
About Us

MAZZEI® INJECTOR COMPANY, LLC is the world's leader in mixing and contacting technologies. Mazzei began in 1978 with its patented Venturi Injectors for irrigation chemigation and fertigation. Since then, the company has continued researching, innovating and setting industry standards. Some of Mazzei's products includes developed solutions to water and wastewater problems in the municipal, industrial and agriculture markets, solutions to disinfection and sanitation problems for all markets including pools and spas, and improved method for wine pump-over aeration.

Mazzei® Injectors

NPT

Part Number	Black Polypropylene		
	Inlet & Outlet (Nominal Pipe Size) Male NPT	Suction Port	
		Barb (Inner Diameter)	Thread (Nominal Pipe Size)
283-PP	1/2"	1/4"	N/A
287-PP	1/2"	1/4"	N/A
384-PP	1/2"	1/4"	1/4"
384X-PP	1/2"	1/4"	1/4"
484-PP	1/2"	1/4"	1/4"
584C-PP	1/2"	1/4"	1/4"
484A-PP	3/4"	1/4"	1/4"
584-PP	3/4"	1/4"	1/4"
878-03-PP	1"	1/2"	1/2"
885X-03-PP	1"	1/2"	1/2"
978-03-PP	1"	1/2"	1/2"
1078-03-PP	1"	1/2"	1/2"
1583A-PP	1 1/2"	1/2"	1/2"
1584A-PP	1 1/2"	1/2"	1/2"
1585X-PP	1 1/2"	1/2"	1/2"
1587-PP	1 1/2"	1/2"	1/2"
2081A-PP	2"	N/A	1 1/4"
2083X-PP	2"	N/A	1 1/4"
3090-PP	3"	N/A	1 1/2" each port
4091-PP	4"	N/A	2" each port



Mazzei®

World Leader in Mixing and Contacting Technologies



"Nothing works like a Mazzei..."

All Mazzei® Injector comes with 1 year warranty.



The Mazzei® Injector

Mazzei Venturi Injectors are differential pressure injectors with internal mixing vanes. Superiority of Mazzei Injectors is due to the unique and patented design maximizing injector efficiency, suction capacity and mixing capabilities.

When pressurized water enters the injector inlet, it is constricted toward the injection chamber and changes into high-velocity jet stream. The increase in velocity through the injection chamber results in decreased absolute pressure, creating a vacuum, 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 reconverted into lower pressure energy.

Mazzei Venturi Injectors 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. The injectors' internal mixing vanes create thousands of micro bubbles which greatly increases the surface area of gas (oxygen, ozone, etc.) in contact with the liquid (several micro bubbles have a greater surface area than one large bubble of the same volume).

Mazzei injectors are precisely engineered and cannot be duplicated. Imitations and look-alike products do not perform like a Mazzei. In addition, the U.S. Patent and Trademark office awarded a trademark registration for its unique look and shape.



Mazzei® Injector is applicable for the following:

1. Municipal
 - a. Portable water: air stripping, disinfection and ozonation.
 - b. Waste water: ozone disinfection, pure oxygen injection, retrofit + sewer main aeration, sludge digestion.
2. Industrial
 - a. Food & beverage
 - b. Waste water: activated sludge aeration, odor control, post-treatment aeration, sludge digestion.
 - c. Wineries: pump-over-aeration, sanitation & CIP disinfection, waste water.
3. Pool, waterscapes, spas: chemical feed, ozonation.
4. Agriculture
 - a. Irrigation; chemigation, irrigation, air injection.
 - b. Dairy (livestock): aeration odor control, CIP.
5. Aquatic (life support): aquarium, aquaculture



Mazzei Venturi Injectors are commonly used in many developed countries for agricultural purposes. Chemigation or the process of injecting chemicals into pressurized irrigation system is used worldwide for injecting fertilizers, pesticides, chlorine, and other chemicals into pressurized water systems. Mazzei Venturi injectors are ideal because it's more productive, cost-effective and safer.

Why Mazzei®?

- Considerable cost savings because no electrical connection needed.
- More cost effective in long run because durable.
- More time effective because very easy to install.
- Reliable due to uniform chemical distribution.
- Safer because chemicals are injected under vacuum, not pressure.
- No overdose risk because injection stops when water flow stops.
- Trouble-free and low maintenance because no moving parts.
- Multifunctional because can be used for mixing/transferring liquid or gas.
- Proven performance with years of expected service.
- Injectors are available in stainless steel, Polypropylene (PP), Polyvinylidene Fluoride (PVDF), natural PVDF or Ethylene Chlorotrifluoroethylene (ECTFE).

Mazzei® Injectors

NPT

Part Number	Black PVDF		
	Inlet & Outlet (Nominal Pipe Size) Male NPT	Suction Port	
		Barb (Inner Diameter)	Thread (Nominal Pipe Size)
384-PVDF	1/2"	1/4"	1/4"
384X-PVDF	1/2"	1/4"	1/4"
484-PVDF	1/2"	1/4"	1/4"
584C-PVDF	1/2"	1/4"	1/4"
484A-PVDF	3/4"	1/4"	1/4"
484X-PVDF	3/4"	1/4"	1/4"
584-PVDF	3/4"	1/4"	1/4"
684-PVDF	3/4"	1/4"	1/4"
784-PVDF	3/4"	1/4"	1/4"
878-03-PVDF	1"	1/2"	1/2"
885X-03-PVDF	1"	1/2"	1/2"
978-03-PVDF	1"	1/2"	1/2"
1078-03-PVDF	1"	1/2"	1/2"
1583A-PVDF	1 1/2"	1/2"	1/2"
1584A-PVDF	1 1/2"	1/2"	1/2"
1585X-PVDF	1 1/2"	1/2"	1/2"
1587-PVDF	1 1/2"	1/2"	1/2"
2081A-PVDF	2"	N/A	1 1/4"
2083X-PVDF	2"	N/A	1 1/4"
3090-PVDF	3"	N/A	1 1/2" each port
4091-PVDF	4"	N/A	2" each port

