



**Mazzei**<sup>®</sup>

PRODUCT CATALOG  
美国“美泽”水射器



*World Leader  
in Mixing and  
Contacting  
Technologies*

Differential Pressure Injectors  
for Fertilization and Other  
Chemical Applications

世界领导者---混合和接触领域

广泛用于加药、加臭氧、污水曝  
气、养殖曝气、施肥灌溉等。



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## “美泽”水射器

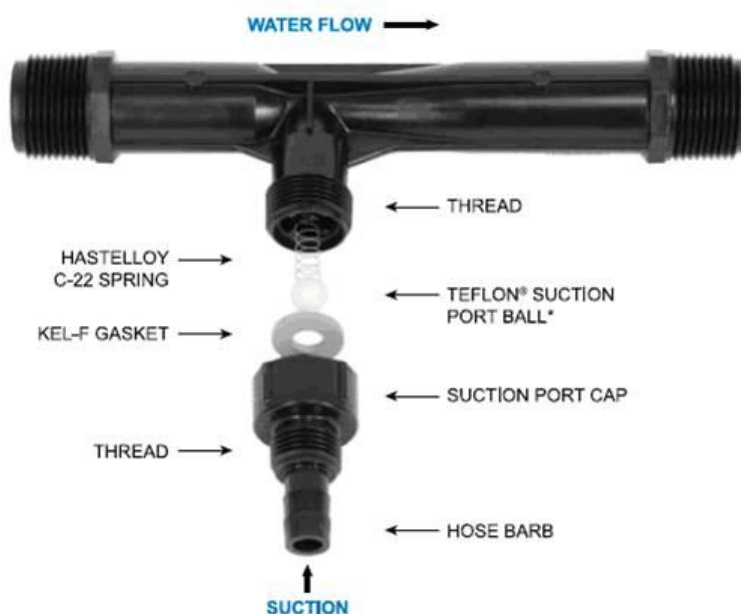
世界顶级设计，精确的性能，“美泽”无与伦比。

“美泽”生产世界顶级的高性能文丘里型差压水射器，它采用一体式内部混合通道，将液体或气体转移或混合到溶液中。在水射器入口和出口给予足够的压力差时，水射器内腔会产生真空，于是从吸气口吸进液体或气体。“美泽”水射器使用压力范围广，只需要很小的差压便可以产生真空。

“美泽”水射器是不可替代的。

“美泽”喷射器采用精确设计和它是不可复制的。模仿和外观相似的产品根本不可能达到“美泽”的性能。

美国专利和商标局授予“美泽”为其独特的外观和形状的注册商标。该商标它代表“美泽”多少年来在客户中获得的美好信誉。“美泽”看是国际公认的，它让客户相信水射器就是“美泽”，“美泽”就是水射器。客户可以放心，使用“美泽”，他们得到的是最好的和最有效的混合和接触效率。



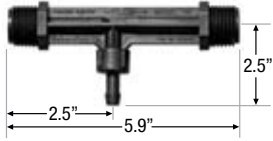
**InjectorSelector™**

# Mazzei® Injectors

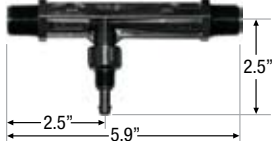
**MNPT**

All measurements in inches, unless noted.

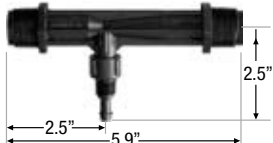
## Black Polypropylene



Dimensions for 283-PP thru 287-PP



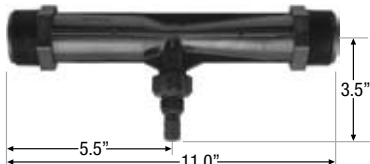
Dimensions for 384-PP thru 584C-PP



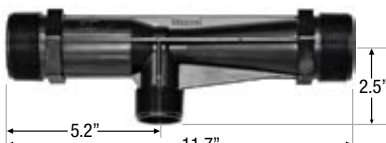
Dimensions for 484A-PP thru 584-PP



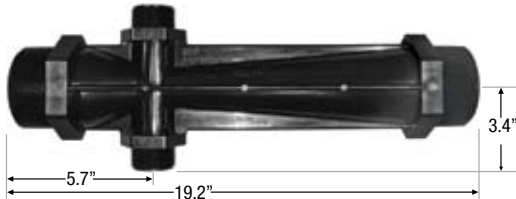
Dimensions for 878-02-PP thru 1078-02-PP



Dimensions for 1583A-PP thru 1587-PP



Dimensions for 2081A-PP thru 2083X-PP



Dimensions for 3090-PP

Part Number	Inlet & Outlet	Suction Port	
		Barb	Thread
<b>Black Polypropylene</b>			
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
878-02-PP	1	1/2	1/2
885X-02-PP	1	1/2	1/2
978-02-PP	1	1/2	1/2
1078-02-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

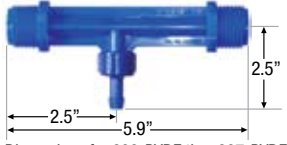


# Mazzei® Injectors

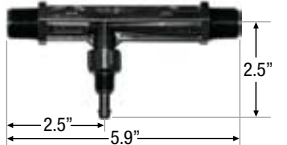
**MNPT**

All measurements in inches, unless noted.

## Black PVDF



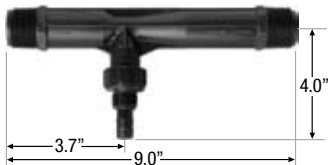
Dimensions for 283-PVDF thru 287-PVDF



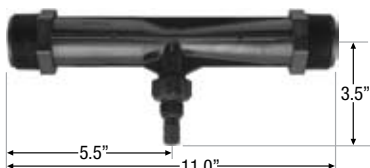
Dimensions for 384-PVDF thru 584C-PVDF



Dimensions for 484A-PVDF thru 784-PVDF



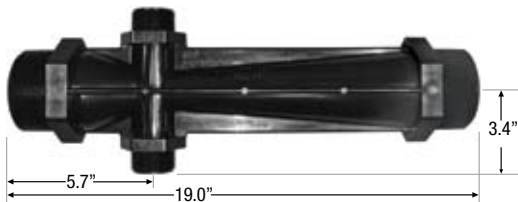
Dimensions for 878-02-PVDF thru 1078-02-PVDF



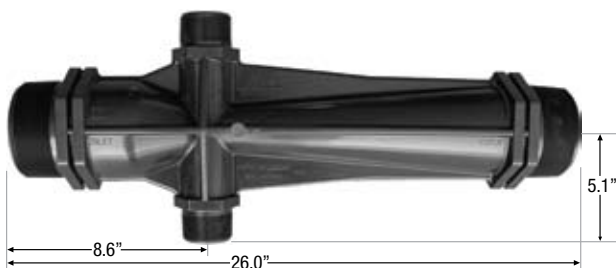
Dimensions for 1583A-PVDF thru 1587-PVDF



Dimensions for 2081A-PVDF thru 2083X-PVDF



Dimensions for 3090-PVDF



Dimensions for 4091-PVDF

Only available in natural.

Only available in blue.

Part Number	Inlet & Outlet	Suction Port	
		Barb	Thread
283-PVDF	1/2	1/4	N/A
287-PVDF	1/2	1/4	N/A
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
878-02-PVDF	1	1/2	1/2
885X-02-PVDF	1	1/2	1/2
978-02-PVDF	1	1/2	1/2
1078-02-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	2x1.50
4091-PVDF	4	N/A	2x2

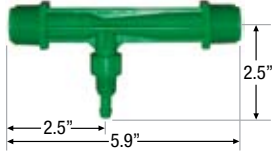
# Mazzei® Injectors

**BSPT**

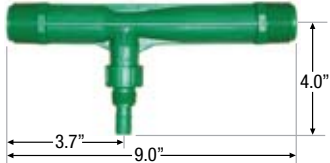
All measurements in inches, unless noted.

Part Number	Inlet & Outlet mm	Nominal Pipe Size	Suction Port	
			Barb	Thread

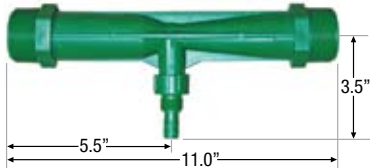
## Green Polypropylene



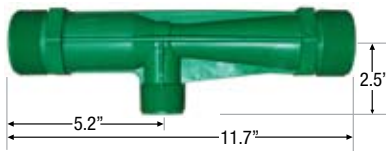
Dimensions for ISO 584-GRPP



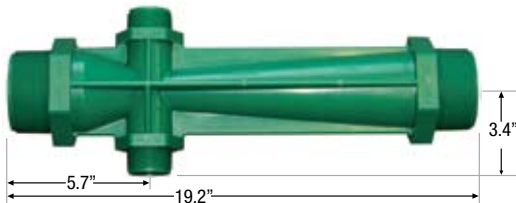
Dimensions for ISO 885X-02-GRPP thru ISO 1078-02-GRPP



Dimensions for ISO 1583A-GRPP thru ISO 1587-GRPP



Dimensions for ISO 2081A-GRPP



Dimensions for ISO 3090-GRPP

**Note:** 1/2" MNPT Polypropylene injectors are interchangeable as 1/2" BSPT injectors; both have the same threads per inch. See page 3 for MNPT Polypropylene injectors.

ISO 584-GRPP	20	3/4	1/4	1/4
ISO 885X-02-GRPP	25	1	1/2	1/2
ISO 878-02-GRPP	25	1	1/2	1/2
ISO 1078-02-GRPP	25	1	1/2	1/2
ISO 1583A-GRPP	40	1 1/2	1/2	1/2
ISO 1587-GRPP	40	1 1/2	1/2	1/2
ISO 2081A-GRPP	50	2	N/A	1 1/4
ISO 3090-GRPP	80	3	N/A	1 1/2

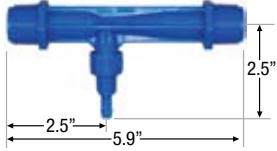
# Mazzei® Injectors

**BSPT**

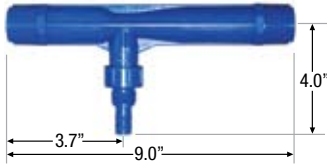
All measurements in inches, unless noted.

Part Number	Inlet & Outlet mm	Nominal Pipe Size	Suction Port	
			Barb	Thread

## Blue PVDF



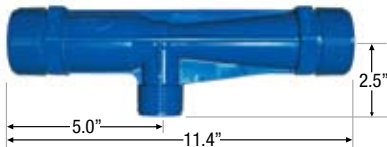
Dimensions for ISO 484A-PVDF thru ISO 684-PVDF



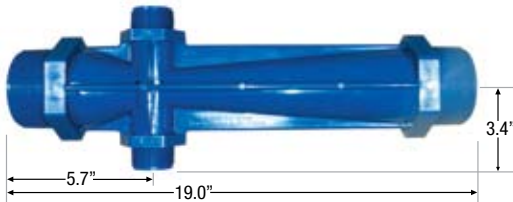
Dimensions for ISO 878-02-PVDF thru ISO 1078-02-PVDF



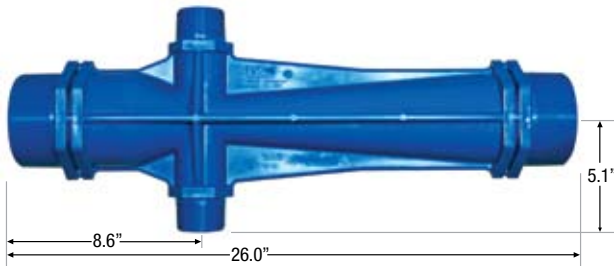
Dimensions for ISO 1583A-PVDF thru ISO 1587-PVDF



Dimensions for ISO 2081A-PVDF thru ISO 2083X-PVDF



Dimensions for ISO 3090-PVDF



Dimensions for ISO 4091-PVDF

**Note:** 1/2" MNPT PVDF injectors are interchangeable as 1/2" BSPT injectors; both have the same threads per inch. See page 4 for MNPT PVDF injectors.

ISO 484A-PVDF	20	1/2	1/4	1/4
ISO 484X-PVDF	20	3/4	1/4	1/4
ISO 584-PVDF	20	3/4	1/4	1/4
ISO 684-PVDF	20	3/4	1/4	1/4

ISO 878-02-PVDF	25	1	1/2	1/2
ISO 885X-02-PVDF	25	1	1/2	1/2
ISO 978-02-PVDF	25	1	1/2	1/2
ISO 1078-02-PVDF	25	1	1/2	1/2


ISO 1583A-PVDF	40	1 1/2	1/2	1/2
ISO 1584A-PVDF	40	1 1/2	1/2	1/2
ISO 1585X-PVDF	40	1 1/2	1/2	1/2
ISO 1587-PVDF	40	1 1/2	1/2	1/2

ISO 2081A-PVDF	50	2	N/A	1 1/4
ISO 2083X-PVDF	50	2	N/A	1 1/4


ISO 3090-PVDF	80	3	N/A	2x1 1/2
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ISO 4091-PVDF	100	4	N/A	2x2
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## Suction Kits

<i>All measurements in inches, unless noted.</i>	Part Number	Description
	K184	Suction line kit for 0.50" and 0.75" injectors
	K183	Suction line kit for 1.0" & 1.5" injectors
	KR183	Economy suction line kit for 1.0" & 1.5" injectors
	K282	Suction line kit for 2.0" injectors
	KR282	Economy suction line kit for 2.0" injectors

## Bypass Kits

<i>All measurements in inches, unless noted.</i>	Part Number	Description
	K184-A	Bypass and suction line kit for 0.50" injectors
	K184-B	Bypass and suction line kit for 0.75" injectors
	K181-A-02	Bypass and suction line kit for 1.0" injectors
	K183-A	Bypass and suction line kit for 1.5" injectors
	K282-A	Bypass and suction line kit for 2.0" injectors

## Flowmeters

<i>All measurements in inches, unless noted.</i>	Part Number	Scale Range	Length	Thread Size
	F-44250L-8	0.025-.25 GPM	6.25	1/2
	F-44330L-8	3.0-30.0 GPH	6.25	1/2
	F-44375L-8	0.1-1.0 GPM	6.25	1/2
	F-44376L-8	0.2-2.0 GPM	6.25	1/2
	F-44500L-8	0.5-5.0 GPM	8.90	1/2
	F-44560L-8	5.0-60.0 GPH	8.90	1/2
	F-44750L-8	1.0-10.0 GPM	9.00	1/2
	F-44750L-12	1.0-10.0 GPM	7.50	3/4
	F-45750L-12	1.0-10.0 GPM	10.00	3/4
	F-30	Call for info		


F-30  
Call for info

F-44 and 45 Series




## Bell Reducers

*All measurements in inches, unless noted.*


	Part Number	Description
<b>Black PVDF – MNPT</b>		
	BR125-PVDF	1.25" x 0.50" FNPT bell reducer
	BR125-1-PVDF	1.25" x 1.0" FNPT bell reducer
	BR150-PVDF	1.5" x 0.50" FNPT bell reducer
	BR151-PVDF	1.5" x 1.0" FNPT bell reducer

**Blue PVDF – BSPT**


	ISO BR125-PVDF	1.25" Female BSPT x 0.50" FNPT bell reducer
	ISO BR150-PVDF	1.5" Female BSPT x 0.50" FNPT bell reducer
	ISO BR205-PVDF	2.0" Female BSPT x 0.50" FNPT bell reducer

## Suction Port Caps

*All measurements in inches, unless noted.*


	Part Number	Injector Replacement Caps For Models:
<b>PVDF</b>		
 <p>Indicate Color</p>	CAP-PVDF .25	283-287
	CAP-PVDF .375	384-684
	CAP-PVDF .75	878-1587

**Polypropylene**

 <p>Indicate Color</p>	CAP-PP .25	283-287
	CAP-PP .375	384-584
	CAP-PP .75	878-1587


## Check Valves

*All measurements in inches, unless noted.*

	Part Number	Description
 <p>C-83                      C-86 C-75</p>	C83-PP	0.50" check valve for old-style 1.0" injectors – polypropylene
	C83-PVDF	0.50" check valve for old-style 1.0" injectors – PVDF
	C75-CVA	1.25" check valve for 2.0" injectors - PVC (1.25" FNPT x 1" hose barb connections)
	C75R	1.25" check valve for 2.0" injectors – PVC
	C75R-BSPT	1.25" check valve for 2.0" injectors – PVC
	C86	1.25" check valve for 2.0" injectors – PVC

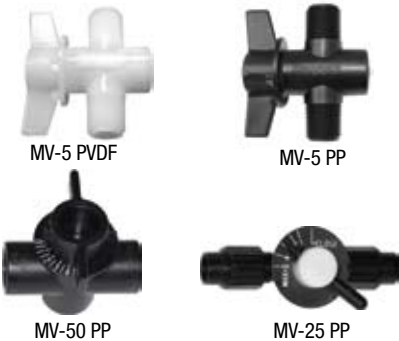
## Check Valve Repair Kits

*Ball, spring and gasket*

	Part Number	Description
	CR-1	For use with models 283 & 287, spring not included
	CR-2	For use with models 384, 484A, 584 & 684
	CR-3	For use with check valve C83
	CR-4	For use with models 1583, 1584 & 1585X


## Metering Valves

*All measurements in inches, unless noted.*


	Part Number	Description
 <p>MV-5 PVDF                      MV-5 PP MV-50 PP                      MV-25 PP</p>	MV-5 PP	0.50" Metering valve, customized "V Port" characterized seat control
	MV-5 PVDF	0.50" Metering valve, customized "V Port" characterized seat control
	MV-25 PP	0.25" Metering valve for 0.50" & 0.75" injectors
	MV-50 PP	0.50" Metering valve for 1.0" & 1.5" injectors
	CP-5 PVC	Coupling for MV-5
	CP-5 PVDF	Coupling for MV-5

## Suction Port Screen Assemblies


*All measurements in inches, unless noted.*

	Part Number	Description
	SPSA-1.25-A	Suction port screen w/ check valve – 1.25" FNPT connection (for 2" injectors)
	SPSA-1.5-A	Suction port screen w/ check valve – 1.5" FNPT connection (for 3" injectors)
	SPSA-2-A	Suction port screen w/ check valve – 2.0" FNPT connection (for 4" injectors)


## Strainers

<i>All measurements in inches, unless noted.</i>	Part Number	Description
 <p>S-25HB – S-50HB    S-84    S-84 FV    S-87</p>	S-25HB	Strainer for suction lines, 1/4" hose barb connection
	S-50HB	Strainer for suction lines, 1/2" hose barb connection
	S-84	Strainer for suction lines, less tubing adapter
	S-84 1/4"	Strainer for suction lines w/ tubing adapter TA-525
	S-84 1/2"	Strainer for suction lines w/ tubing adapter TA-550
	S-84FV	Strainer with foot valve, 3/8" hose barb and 1/2" MNPT connector
	S-87	PVC strainer for 1.0" suction lines used on 2.0" injectors


## Tubing Adapters

<i>All measurements in inches, unless noted.</i>	Part Number	Description
<b>Polyethylene</b>		
 <p>TA-225    TA-525    TA-550</p>	TA-225	1/4"x1/4" (MNPT x tube size)
	TA-525	1/2"x1/4" (MNPT x tube size)
	TA-550	1/2"x1/2" (MNPT x tube size)

## Tubing Clamps

<i>All measurements in inches, unless noted.</i>	Part Number	Description
<b>Polypropylene</b>		
	CLAMP#23	Clamp for 1/4" ID tubing
	CLAMP#32	Clamp for 3/8" ID tubing
	CLAMP#44	Clamp for 1/2" ID tubing

## Vinyl Tubing

<i>All measurements in inches, unless noted.</i>	Part Number	Description
	VT-025 - per foot	Clear vinyl tubing, 1/4"x3/8" – 100' roll
	VT-050 - per foot	Clear vinyl tubing, 1/2"x3/4" – 100' roll
	VT-100 - per foot	Clear vinyl tubing, 1"x1-5/16" – 100' roll