

FERTIGATION SKID

HIGH-PRESSURE UNITS

The One Product Solution for
Fertigation and Chemigation



The Mazzei fertigation skid integrates high-quality components, a robust pump, and a high-efficiency Mazzei venturi injector, into one cohesive system. At its core are Mazzei injectors—which feature precisely engineered internal mixing vanes — ensuring uniform distribution of nutrients throughout the irrigation water and subsequently across the entire field. Say goodbye to concerns about distribution uniformity with this skid.

Portable between fields, the Mazzei fertigation system offers superior mixing and accuracy without restricting the mainline pressure or flow. It easily integrates into automated irrigation setups.

Like our injectors, the Mazzei fertigation skid is reliable, easy-to-use, and requires little to no maintenance. Whether you are injecting chemicals or fertilizers into your irrigation system, Mazzei provides the solution.

Mazzei[®]

www.mazzei.net



PERFORMANCE DATA

S-FS1587PVDF-1P

(3 HP, 208-230 VAC,
16 Amps, 1-phase, 60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive GPM	Approximate Suction	
psig	psig		GPM	GPH
70	30	67	3.6	216
80	40	71	3.6	216
85	45	73	3.6	216
90	50	75	3.6	216
95	55	77	3.6	216
98	60	79	3.0	180
103	65	81	3.0	180
107	70	83	3.0	180

Skid Weight: 96 lbs.

S-FS1587PVDF-3P

(3 HP, 208-230/460 VAC,
8/4 Amps, 3-phase, 60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive GPM	Approximate Suction	
psig	psig		GPM	GPH
70	30	67	3.6	216
80	40	71	3.6	216
85	45	73	3.6	216
90	50	75	3.6	216
95	55	77	3.6	216
98	60	79	3.0	180
103	65	81	3.0	180
107	70	83	3.0	180

Skid Weight: 96 lbs.

S-FS1583PVDF-1P

(2 HP, 115/208-230 VAC,
28/14 Amps, 1-phase, 60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive GPM	Approximate Suction	
psig	psig		GPM	GPH
68	30	40	3.0	180
78	40	43	3.0	180
83	45	44	3.0	180
87	50	45	2.8	168
90	55	46	2.8	168
96	60	47	2.7	162
100	65	48	2.5	150
105	70	49	2.3	138

Skid Weight: 96 lbs.

S-FS1583PVDF-3P

(2 HP, 208-230/460 VAC,
7/4 Amps, 3-phase, 60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive GPM	Approximate Suction	
psig	psig		GPM	GPH
68	30	40	3.0	180
78	40	43	3.0	180
83	45	44	3.0	180
87	50	45	2.8	168
90	55	46	2.8	168
96	60	47	2.7	162
100	65	48	2.5	150
105	70	49	2.3	138

Skid Weight: 96 lbs.

S-FS1078PVDF-1P

(2 HP, 115/208-230 VAC,
28/14 Amps, 1-phase, 60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
73	30	21	1.4	84
83	40	22	1.4	84
88	45	23	1.4	84
94	50	24	1.4	84
99	55	24	1.4	84
104	60	25	1.4	84
108	65	25	1.4	84
112	70	26	1.4	84

Skid Weight: 88 lbs.

S-FS1078PVDF-3P

(2 HP, 208-230/460 VAC,
7/4 Amps, 3-phase, 60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
73	30	21	1.4	84
83	40	22	1.4	84
88	45	23	1.4	84
94	50	24	1.4	84
99	55	24	1.4	84
104	60	25	1.4	84
108	65	25	1.4	84
112	70	26	1.4	84

Skid Weight: 88 lbs.

Note:

Overall Dimensions: 21"L x 27"W x 19"H

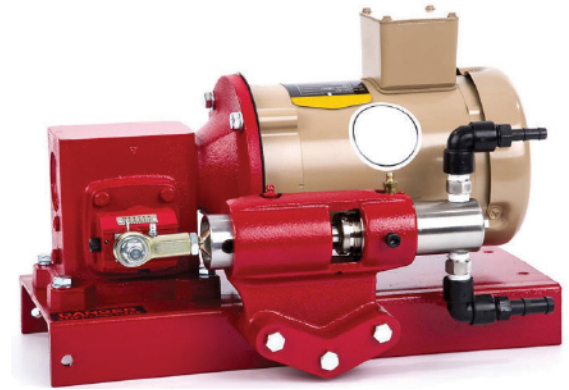
"Motive" is the minimum amount of water flowing through the injector required to maintain suction.

Suction capacity estimates are based on using clean water as the additive.





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Mazzei® FERTIGATION SKID

- ▶ Uniform distribution of chemicals in the water—result... thorough mixing
- ▶ Able to fine-tune the injection rates when using flowmeter and metering valve—result... more options for the operator
- ▶ Few parts to wear or fail—result... less maintenance required
- ▶ Accuracy of suction rate is maintained over time—why... Mazzei injectors have no moving parts that require recalibration
- ▶ Booster pump lasts longer—why... only clean water is pumped so it isn't exposed to chemicals

POSITIVE DISPLACEMENT PUMP

- ▶ Injects pulses of concentrated nutrients
- ▶ Less control of suction rates
- ▶ More working components... More maintenance required
- ▶ Accuracy of suction rate lessens as parts wear
- ▶ Pump's internal parts are in constant contact with concentrated chemicals causing it to wear faster

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