

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

(2 HP, 115/208-230 VAC,
6/9-8 Amps, 1-phase, 50/60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
75	30	68	3.6	220
85	40	73	3.6	220
90	45	75	3.6	220
94	50	77	3.6	220
100	55	79	3.6	220
105	60	81	2.9	174
110	65	82	2.8	168
115	70	84	2.4	144

Skid Weight: 96 lbs.

S-FS1587PVDF-3P

(2 HP, 230/480 VAC,
5.5/2.9 Amps, 3-phase, 50/60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
75	30	68	3.6	220
85	40	73	3.6	220
90	45	75	3.6	220
94	50	77	3.6	220
100	55	79	3.6	220
105	60	81	2.9	174
110	65	82	2.8	168
115	70	84	2.4	144

Skid Weight: 96 lbs.

S-FS1583PVDF-1P

(2 HP, 115/208-230 VAC,
6/9-8 Amps, 1-phase, 50/60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
70	30	40.1	3.0	180
80	40	42.9	3.0	180
85	45	43.4	3.0	180
88	50	44.6	3.0	180
90	55	45.6	3.0	180
96	60	46.6	3.0	180
98	65	47.7	2.5	155
100	70	48.2	2.3	140

Skid Weight: 96 lbs.

S-FS1583PVDF-3P

(2 HP, 230/480 VAC,
5.5/2.9 Amps, 3-phase, 50/60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
70	30	40.1	3.0	180
80	40	42.9	3.0	180
85	45	43.4	3.0	180
88	50	44.6	3.0	180
90	55	45.6	3.0	180
96	60	46.6	3.0	180
98	65	47.7	2.5	155
100	70	48.2	2.3	140

Skid Weight: 96 lbs.

S-FS1078PVDF-1P

(2 HP, 115/208-230 VAC,
6/9-8 Amps, 1-phase, 50/60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
73	30	21.0	1.4	84
83	40	22.0	1.4	84
88	45	23.0	1.4	84
94	50	23.6	1.4	84
99	55	24.0	1.4	84
104	60	24.6	1.4	84
108	65	25.4	1.4	84
112	70	25.8	1.4	84

Skid Weight: 88 lbs.

S-FS1078PVDF-3P

(2 HP, 230/480 VAC,
5.5/2.9 Amps, 3-phase, 50/60 Hz)

PRESSURE		FLOW		
Injector Inlet	Irrigation Mainline	*Motive	Approximate Suction	
psig	psig	GPM	GPM	GPH
73	30	21.0	1.4	84
83	40	22.0	1.4	84
88	45	23.0	1.4	84
94	50	23.6	1.4	84
99	55	24.0	1.4	84
104	60	24.6	1.4	84
108	65	25.4	1.4	84
112	70	25.8	1.4	84

Skid Weight: 88 lbs.

Note:

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

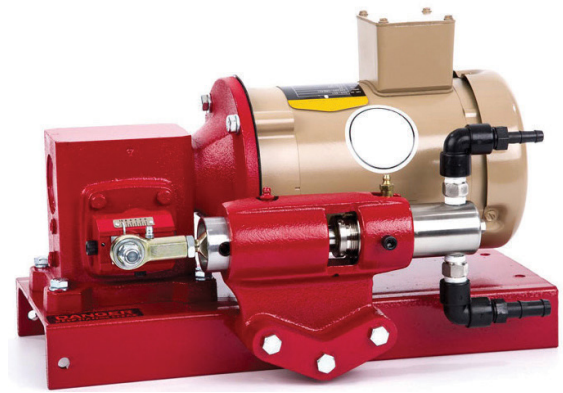
Available in single and three-phase power, 60 Hz and 50 Hz

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





VS.



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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