

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure PSIG		Model 287 ½" Threads		Model 384 ½" Threads		Model 484 ½" & ¾" Threads		Model 484X ¾" Threads		Model 584 ½" & ¾" Threads		Model 684 ¾" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
5	0	0.29	<1.0	0.67	0.60	1.1	5.5	1.1	7.8	2.0	8.8	3.4	9.0
	1		0.19		2.0		2.7		3.2		5.7		
	2				0.35		0.67		1.2		3.0		
	3				0.13		0.48		0.73		1.0		
	4		*(3.5)		*(3.9)		*(4.4)		*(3.5)		*(4.4)		*(4.3)
10	0	0.31	1.0	0.94	3.5	1.6	9.6	1.6	13.1	2.8	14.6	4.7	13.2
	2		<1.0		1.5		3.0		3.9		5.9		9.3
	5				0.34		0.72		1.1		1.7		3.6
	7						0.34		0.38		0.77		1.5
	8		*(7.7)		*(8.2)		*(8.4)		*(7.5)		*(9.0)		*(8.5)
15	0	0.41	2.0	1.2	6.6	2.0	12.6	2.0	17.7	3.5	17.4	5.8	15.4
	5		<1.0		1.0		2.3		2.8		4.6		7.2
	7				0.60		1.3		1.5		2.7		4.4
	10						0.61				0.98		2.1
	12		*(11.5)		*(12.9)		*(12.5)		*(8.7)		*(13.5)		*(13.0)
20	0	0.50	3.0	1.3	8.8	2.3	14.7	2.3	21.4	4.0	20.5	6.7	23.6
	5		<1.0		2.2		4.7		5.3		8.2		15.0
	10				0.64		1.2		1.4		2.9		5.7
	12						0.84		0.99		1.7		3.8
	15		*(16.0)		*(16.5)		*(17.0)		*(13.2)		*(18.0)		*(16.5)
25	0	0.57	3.5	1.5	9.5	2.6	15.7	2.6	24.8	4.5	23.1	7.5	27.5
	5		<1.0		3.0		6.0		8.4		10.5		19.6
	10				1.1		2.0		2.0		4.8		8.2
	15						0.71		1.2		1.9		3.7
	20		*(19.5)		*(20.5)		*(21.6)		*(16.5)		*(22.0)		*(21.0)
30	0	0.63	3.5	1.6	9.9	2.8	16.5	2.8	27.4	4.9	26.1	8.2	30.4
	5		<1.0		3.6		9.0		10.4		13.6		23.7
	10				1.5		3.8		3.3		6.7		11.9
	15				0.77		1.6		1.8		3.3		5.9
	20						0.68				1.8		3.4
25	*(24.5)	*(25.2)	*(25.5)	*(17.2)	*(27.0)	*(26.0)	1.3						
35	0	0.69	4.0	1.8	10.3	3.0	17.5	3.0	30.5	5.3	28.4	8.9	33.0
	5		<1.0		3.8		11.8		14.2		18.5		25.9
	10				1.8		5.4		4.7		9.3		16.3
	15				1.0		2.5		2.3		5.2		8.8
	20				0.57		1.3		1.8		2.7		5.5
25	*(27.0)	*(28.6)	*(29.5)	*(23.5)	*(31.5)	*(29.5)	3.0						
40	0	0.74	4.5	1.9	10.7	3.2	18.1	3.2	32.9	5.7	30.7	9.5	35.0
	5		1.0		4.6		12.6		16.9		19.4		27.1
	10		<1.0		2.2		7.4		7.3		10.9		20.9
	15				1.3		3.6		3.1		6.9		11.7
	20				0.78		1.8		2.4		4.2		8.1
25			1.1	1.1	2.7	4.9							
30	*(31.0)	*(32.0)	*(33.3)	*(26.1)	*(35.5)	*(35.0)	3.4						
45	0	0.79	4.5	2.0	11.6	3.4	19.2	3.4	33.0	6.0	31.6	10.1	36.9
	5		2.0		5.5		13.6		19.9		21.5		29.9
	10		<1.0		2.8		8.3		8.9		12.6		23.6
	15				1.6		4.4		4.2		9.4		15.4
	20				1.0		2.8		2.5		5.8		9.8
25		0.70	1.7	2.0	3.9	6.5							
30			0.94		2.5	4.0							
35	*(35.0)	*(36.1)	*(36.8)	*(25.4)	*(40.0)	*(37.5)	2.5						
50	0	0.83	4.5	2.1	12.5	3.6	20.7	3.6	33.8	6.3	33.1	10.6	42.0
	5		2.5		6.1		15.2		23.5		22.5		33.0
	10		<1.0		3.4		9.0		11.6		16.0		28.4
	15				1.9		5.1		5.4		10.3		19.5
	20				1.2		3.5		3.3		7.6		12.0
25		0.91	2.7	2.4	5.0	8.0							
30			1.4		3.5	5.9							
35			0.87		2.2	3.7							
40	*(39.0)	*(39.6)	*(41.0)	*(29.0)	*(45.0)	*(42.0)	2.0						

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure PSIG		Model 287 ½" Threads		Model 384 ½" Threads		Model 484 ½" & ¾" Threads		Model 484X ¾" Threads		Model 584 ½" & ¾" Threads		Model 684 ¾" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
60	0	0.91	6.0	2.3	13.4	4.0	20.1	4.0	36.6	6.9	36.2	11.6	42.7
	5		<1.0		7.9		17.0		30.3		26.7		34.9
	10		<1.0		4.3		11.7		16.3		21.0		31.5
	15		<1.0		2.8		7.6		10.1		13.6		27.5
	20		<1.0		1.8		5.1		5.2		10.0		17.2
	30		<1.0		0.97		2.4		2.7		5.7		9.3
	35		<1.0		0.56		1.6				4.3		6.8
	40		<1.0				1.2				2.8		5.2
	45		<1.0								2.0		3.2
		*(47.0)		*(47.3)		*(50.7)		*(34.6)		*(53.5)		*(50.0)	
70	0	0.98	7.0	2.5	14.4	4.3	20.7	4.3	39.6	7.5	36.6	12.6	42.9
	5		<1.0		9.6		18.5		31.6		28.8		39.6
	10		<1.0		5.5		14.5		20.9		23.6		35.1
	15		<1.0		3.6		10.1		15.1		17.2		31.4
	20		<1.0		2.4		7.0		7.5		12.8		27.1
	30		<1.0		1.3		3.9		3.7		8.0		13.6
	40		<1.0		0.87		2.2		2.4		4.6		8.1
	45		<1.0				1.6				3.8		5.9
	50		<1.0				1.0				2.7		4.4
55	<1.0				1.7	2.8							
		*(55.0)		*(52.4)		*(58.5)		*(40.7)		*(63.0)		*(58.3)	
80	0	1.0	7.0	2.7	15.9	4.6	21.4	4.6	40.2	8.0	38.0	13.4	42.9
	5		<1.0		11.2		20.0		38.2		31.0		41.8
	10		<1.0		6.6		16.0		28.8		26.2		36.6
	15		<1.0		4.7		11.8		18.3		21.9		34.4
	20		<1.0		3.3		8.5		10.0		16.0		32.1
	30		<1.0		1.8		5.0		5.0		10.4		17.0
	40		<1.0		1.2		3.0		3.1		7.1		10.9
	50		<1.0		0.86		1.6		2.1		4.6		6.6
	60		<1.0				0.92				2.6		4.3
65	<1.0				1.7	3.0							
		*(63.0)		*(61.9)		*(66.0)		*(51.9)		*(72.5)		*(67.0)	
90	0	1.1	7.0	2.8	17.2	4.8	21.9	4.8	42.6	8.5	38.5	14.2	43.1
	5		<1.0		12.8		20.3		39.7		32.7		42.3
	10		<1.0		7.8		17.6		32.9		28.9		39.4
	20		<1.0		4.1		10.2		15.9		19.7		34.3
	30		<1.0		2.3		6.2		7.2		12.9		24.7
	40		<1.0		1.5		4.3		4.5		8.8		14.8
	50		<1.0		1.0		2.7		2.9		5.8		10.1
	60		<1.0		0.81		1.5				3.8		7.1
	70		<1.0				0.88				2.2		4.2
75	<1.0				1.7	2.9							
		*(71.0)		*(71.0)		*(74.0)		*(54.3)		*(80.5)		*(76.0)	
100	0	1.2	7.0	3.0	17.8	5.1	21.9	5.1	44.4	9.0	39.2	15.0	43.6
	5		<1.0		13.9		20.9		42.6		35.2		43.1
	10		<1.0		8.9		18.9		36.6		30.3		42.0
	20		<1.0		4.7		12.2		18.7		23.1		38.1
	30		<1.0		2.7		7.6		10.3		14.4		33.0
	40		<1.0		1.9		5.5		6.0		11.0		18.0
	50		<1.0		1.4		3.5		3.9		7.6		13.1
	60		<1.0		1.0		2.1				5.2		9.5
	70		<1.0		0.78						3.3		6.6
80	<1.0				2.0	3.9							
		*(79.0)		*(78.6)		*(82.9)		*(59.7)		*(90.0)		*(85.0)	
120	0	1.3	7.0	3.3	19.5	5.6	22.8	5.6	48.7	9.8	40.3	16.5	43.8
	5		<1.0		15.3		21.9		47.0		38.4		43.2
	10		<1.0		11.1		21.0		42.6		33.5		42.5
	20		<1.0		6.1		15.3		26.1		27.5		39.8
	30		<1.0		3.8		10.7		15.0		18.5		38.4
	40		<1.0		2.6		7.8		8.4		13.9		27.2
	50		<1.0		2.0		5.9		5.6		10.8		18.1
	60		<1.0		1.5		4.1		4.1		7.6		13.7
	70		<1.0		1.2		2.8		3.0		6.2		10.8
80	<1.0	1.0	2.0		4.3	8.2							
90	<1.0				3.1	5.9							
100	<1.0				1.8	3.7							
		*(95.0)		*(96.8)		*(99.7)		*(71.2)		*(107)		*(102)	

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure PSIG		Model 784 ¾" Threads		Model 878-03 1" Threads		Model 885X-03 1" Threads		Model 978-03 1" Threads		Model 1078-03 1" Threads		Model 1583 1½" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
5	0	4.3	11.7	3.5	14.9	3.4	18.3	4.1	18.5	5.2	24.3	10.3	39.4
	1		9.8		5.4		9.0		5.1		6.4		17.1
	2		4.7		1.5		1.4		1.8		2.7		3.9
	3		2.1		0.41				0.90		1.5		2.0
	4		*(4.5)		0.99		*(4.1)		*(4.0)		*(3.9)		*(4.0)
10	0	6.1	19.3	4.9	33.9	4.8	26.9	5.7	29.9	7.4	40.1	14.5	85.3
	2		15.6		8.5		15.2		11.2		16.1		25.9
	5		5.7		2.8		1.8		3.1		4.1		8.3
	7		2.0		0.88				1.2		1.5		4.1
	8		*(9.0)		0.93		*(8.7)		*(7.5)		*(9.0)		*(8.1)
15	0	7.5	28.8	6.1	36.0	5.9	38.3	7.0	37.9	9.1	48.6	17.8	114
	5		16.5		7.4		7.9		8.8		13.1		21.7
	7		8.7		3.8		3.4		5.6		7.8		13.9
	10		4.1		0.74				2.4		3.3		6.2
	12		*(13.0)		1.9		*(12.5)		*(11.0)		*(13.4)		*(13.1)
20	0	8.6	33.7	7.0	44.2	6.8	47.1	8.1	44.1	10.5	55.0	20.6	133
	5		21.2		12.5		13.5		14.5		22.1		35.6
	10		8.0		4.3		3.6		6.0		8.5		14.8
	12		4.9		2.7				4.0		5.6		9.4
	15		*(17.5)		2.4		*(16.5)		*(14.0)		*(16.8)		*(17.3)
25	0	9.6	40.0	7.8	44.7	7.6	57.1	9.1	48.0	11.7	60.9	23.0	139
	5		29.1		17.4		27.9		18.7		33.2		48.7
	10		14.0		6.7		7.1		8.6		14.3		23.5
	15		3.3		3.4		2.8		4.6		7.5		11.8
	20		*(22.3)		1.2		*(21.0)		*(17.0)		*(20.8)		*(21.9)
30	0	10.6	48.2	8.6	51.0	8.3	66.9	9.9	49.7	12.9	70.6	25.2	158
	5		32.5		26.1		46.2		26.6		46.4		56.6
	10		20.3		11.3		12.3		12.6		20.5		30.8
	15		9.6		6.4		5.5		7.2		11.2		16.3
	20		4.2		2.9		2.0		3.8		6.1		8.9
25	*(26.5)	2.0	*(26.1)	*(20.5)	*(26.5)	*(26.0)	*(26.0)	6.6					
35	0	11.4	46.4	9.3	51.9	9.0	87.4	10.7	48.2	13.9	74.0	27.2	161
	5		38.1		34.3		27.4		29.1		52.9		68.3
	10		29.7		14.0		16.0		16.2		24.7		36.2
	15		15.2		8.6		7.9		11.0		13.6		22.0
	20		8.2		4.7		4.3		6.8		9.0		13.5
25	*(31.0)	4.0	*(30.1)	*(24.0)	*(30.3)	*(30.0)	*(29.4)	10.2					
40	0	12.2	52.9	9.9	55.8	9.6	80.8	11.5	52.0	14.8	79.8	29.1	173
	5		44.8		40.6		39.2		38.7		57.9		79.2
	10		35.8		17.6		21.3		20.2		31.4		43.4
	15		20.4		11.6		11.2		13.1		18.9		28.4
	20		11.5		6.6		6.8		8.6		13.0		18.8
25	7.1	4.8	4.5	5.5	8.0	12.2							
30	*(34.0)	3.1	*(34.4)	*(27.0)	*(34.3)	*(34.4)	*(33.4)	9.7					
45	0	12.9	56.4	10.5	66.9	10.2	77.1	12.2	54.8	15.7	85.9	30.8	194
	5		48.1		42.1		48.7		42.5		62.8		97.4
	10		38.5		20.7		27.2		23.4		38.3		51.2
	15		29.0		12.8		14.7		16.1		23.2		33.9
	20		14.9		8.9		9.1		11.1		15.7		23.4
25	9.5	5.1	6.5	7.2	11.3	16.2							
30	6.0	4.1	3.5	4.8	7.0	12.9							
35	*(38.0)	2.5	*(38.4)	*(31.0)	*(38.7)	*(38.7)	*(37.5)	9.1					
50	0	13.6	58.1	11.1	64.9	10.7	83.8	12.8	61.1	16.6	87.7	32.5	195
	5		51.9		48.7		49.6		48.3		66.4		109
	10		43.0		23.8		32.2		27.0		42.3		59.0
	15		35.7		16.1		17.7		19.3		25.6		41.4
	20		20.3		10.3		11.2		13.7		16.1		28.2
25	13.6	8.3	7.5	10.0	12.7	18.9							
30	9.2	4.6	4.8	6.8	8.6	13.9							
35	6.0	4.3		4.5	5.3	9.8							
40	*(42.8)	2.8	*(42.3)	*(36.0)	*(42.1)	*(43.9)	*(41.9)	6.7					

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure PSIG		Model 784 ¾" Threads		Model 878-03 1" Threads		Model 885X-03 1" Threads		Model 978-03 1" Threads		Model 1078-03 1" Threads		Model 1583 1½" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
60	0	14.9	59.3	12.1	71.3	11.7	120	14.1	73.0	18.2	91.5	35.6	214
	5		57.4		54.9		58.2		57.0		76.3		150
	10		49.4		33.4		45.1		37.3		57.5		75.5
	15		44.1		20.2		23.0		24.7		34.5		52.5
	20		35.0		14.6		16.3		18.1		24.3		39.6
	30		15.5		7.8		8.7		10.7		14.0		20.7
	35		10.4		5.7		6.5		7.9		10.3		16.8
	40		8.0		4.3		3.0		5.6		7.3		11.9
	45		*(50.0)		4.8		*(51.2)		2.4		*(43.0)		*(51.5)
70	0	16.1	59.9	13.1	77.0	12.7	135	15.2	73.6	19.6	100	38.5	241
	5		59.8		60.1		63.5		62.7		81.7		189
	10		54.7		40.7		46.3		49.3		67.5		100
	15		49.6		25.5		29.9		32.0		46.3		67.1
	20		46.3		19.1		22.5		22.9		31.8		47.7
	30		22.3		11.2		12.8		14.9		19.6		27.4
	40		13.5		6.7		7.6		9.2		12.4		18.0
	45		9.8		5.0		5.3		6.9		8.7		12.5
	50		7.5		4.1				4.7		7.0		12.0
55	*(58.3)	4.2	*(58.3)	2.1	*(51.0)	*(60.0)	*(58.9)	4.5	*(56.7)	11.0			
80	0	17.3	61.0	14.0	81.2	13.5	154	16.2	76.3	21.0	105	41.1	249
	5		60.1		65.0		61.1		67.3		89.6		198
	10		58.0		49.9		55.2		55.9		74.8		108
	15		54.1		31.0		34.2		38.1		57.7		72.4
	20		51.6		23.1		28.7		27.8		39.5		58.8
	30		34.1		14.1		16.2		19.0		24.7		37.5
	40		18.3		9.0		10.1		11.6		17.0		23.8
	50		11.7		5.8		6.2		7.4		10.1		15.0
	60		6.2		3.8				4.0		6.3		12.4
65	*(67.0)	3.5	*(67.5)	2.3	*(57.0)	*(67.5)	*(68.5)	4.5	*(70.1)	8.8			
90	0	18.3	61.9	14.8	85.3	14.4	168	17.2	87.9	22.3	112	43.6	262
	5		62.0		69.6		68.3		69.8		96.3		208
	10		61.7		56.4		61.6		61.1		81.7		139
	20		56.2		26.9		35.0		33.1		48.8		71.3
	30		48.2		17.3		19.7		22.6		29.4		47.3
	40		25.2		12.1		13.0		16.0		20.8		31.5
	50		16.4		7.9		8.8		9.9		14.9		21.9
	60		11.0		5.1		4.6		7.2		9.1		12.9
	70		5.7		3.4				4.4		5.8		7.1
75	*(76.0)	3.6	*(75.6)	2.1	*(66.0)	*(76.4)	*(76.9)	4.2	*(73.1)				
100	0	19.3	62.0	15.6	88.6	15.1	184	18.2	90.9	23.5	116	46.0	279
	5		62.8		72.4		73.4		76.1		103		231
	10		61.5		62.8		65.1		67.3		87.7		166
	20		58.3		30.9		42.5		39.0		62.8		80.8
	30		52.6		20.3		24.1		27.7		37.1		55.1
	40		35.7		14.5		15.9		19.2		25.7		38.3
	50		20.8		10.0		11.3		13.3		18.0		26.6
	60		14.5		7.2		7.8		9.7		12.6		19.2
	70		9.6		5.1				6.9		8.3		17.4
80	*(85.0)	4.9	*(84.5)	2.9	*(73.0)	*(85.1)	*(86.0)	5.5	*(81.3)	13.3			
120	0	21.1	63.3	17.1	98.1	16.6	209	19.9	93.9	25.7	124	50.4	295
	5		63.5		81.0		79.8		81.7		110		248
	10		63.2		70.8		73.2		71.7		97.9		216
	20		62.6		41.9		52.7		48.3		77.7		107
	30		57.2		26.1		28.5		33.4		46.9		71.0
	40		55.0		19.2		21.4		23.9		33.6		53.3
	50		34.4		14.5		16.8		16.0		25.0		39.6
	60		22.6		10.8		11.6		13.4		19.1		29.3
	70		16.6		7.8		9.9		10.0		14.1		20.5
	80		11.8		5.7		3.8		7.7		10.2		19.8
	90		7.3		4.6				5.5		6.7		16.1
100	*(102)		*(101)	2.5	*(85.0)	*(103)	*(102)	5.1	*(98.4)				

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2016-12

Operating Pressure PSIG		Model 1584 1½" Threads		Model 1585X 1½" Threads		Model 1587 1½" Threads		Model 2081 2" Threads		Model 3090 3" Threads		Model 4091 4" Threads		
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	
<b>5</b>	0	<b>18.0</b>	47.0	<b>10.3</b>	56.3	<b>17.0</b>	65.9	<b>31</b>	106	<b>76</b>	270	<b>146</b>	936	
	1		40.0		12.0		21.8						408	
	2		31.8		6.9		15.6						156	
	3		20.5				8.7						60	
	4		10.6											
<b>10</b>	0	<b>25.5</b>	98.0	<b>14.5</b>	64.9	<b>24.0</b>	127	<b>43</b>	230	<b>106</b>	412	<b>189</b>	1,626	
	2		72.4		20.0		61.1						257	
	5		37.1		11.6		21.6						44	85
	7		20.5				9.7						42	66
	8		12.6				5.0							
<b>15</b>	0	<b>31.2</b>	144	<b>17.8</b>	117	<b>29.4</b>	153	<b>54</b>	434	<b>129</b>	797	<b>230</b>	2,436	
	5		71.7		18.7		42.6						87	191
	7		45.7		11.6		26.7						57	234
	10		23.8				13.7							115
	12		9.3				9.0							57
<b>20</b>	0	<b>36.1</b>	170	<b>20.6</b>	130	<b>33.9</b>	173	<b>61</b>	568	<b>149</b>	1,076	<b>267</b>	2,772	
	5		102		31.1		64.2						141	327
	10		41.0		12.7		25.5						62	120
	12		31.1		6.4		18.7						45	87
	15		12.6				12.0							48
<b>25</b>	0	<b>40.3</b>	185	<b>23.0</b>	145	<b>37.9</b>	195	<b>68</b>	660	<b>167</b>	1,308	<b>296</b>	3,252	
	5		128		48.5		91.0						229	519
	10		65.7		20.2		43.4						94	197
	15		33.1		8.0		19.0						49	94
	20		12.0				9.8							46
<b>30</b>	0	<b>44.2</b>	194	<b>25.2</b>	169	<b>41.5</b>	230	<b>75</b>	719	<b>183</b>	1,483	<b>324</b>	3,768	
	5		152		60.8		114						329	903
	10		99.4		25.7		54.8						129	278
	15		54.3		14.7		30.0						78	146
	20		28.5				17.4						44	83
25	10.0		10.1		44									
<b>35</b>	0	<b>47.7</b>	206	<b>27.2</b>	175	<b>44.9</b>	230	<b>80</b>	778	<b>197</b>	1,644	<b>351</b>	3,702	
	5		173		78.1		143						449	1,259
	10		123		34.2		70.8						190	378
	15		72.4		20.6		41.6						105	214
	20		39.7		10.5		27.0						65	118
25	22.5		18.7		77									
<b>40</b>	0	<b>51.0</b>	212	<b>29.1</b>	177	<b>48.0</b>	255	<b>86</b>	807	<b>211</b>	1,771	<b>374</b>	4,038	
	5		188		87.4		189						562	1,298
	10		147		45.3		86.8						244	489
	15		98.7		24.9		52.4						137	288
	20		59.7		16.6		36.2						93	175
25	38.4	2.6	26.7	62	107									
30	21.8		17.1		40									
<b>45</b>	0	<b>54.1</b>	222	<b>30.8</b>	229	<b>50.9</b>	267	<b>92</b>	838	<b>223</b>	1,885	<b>397</b>	4,302	
	5		197		105		207						688	1,470
	10		157		51.1		91.1						286	607
	15		111		32.5		58.8						179	351
	20		73.7		21.6		39.9						112	230
25	49.7	12.2	28.2	85	147									
30	32.4		18.8	54	92									
35	21.2		15.1		64									
<b>50</b>	0	<b>57.0</b>	226	<b>32.5</b>	203	<b>53.6</b>	269	<b>96</b>	867	<b>236</b>	1,975	<b>419</b>	4,494	
	5		207		129		222						635	1,625
	10		175		56.6		111						343	765
	15		133		38.1		70.6						228	431
	20		96.6		27.4		51.7						146	294
25	68.3	17.5	37.3	95	201									
30	47.0	6.3	22.7	71	136									
35	31.8		19.6	51	92									
40	18.5		14.4		61									

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2017-08

## Air Suction Capacity

Operating Pressure PSIG		Model 1584 1½" Threads		Model 1585X 1½" Threads		Model 1587 1½" Threads		Model 2081 2" Threads		Model 3090 3" Threads		Model 4091 4" Threads	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH	Motive Flow GPM	Air Suction SCFH
60	0	62.5	238	35.6	232	58.7	306	106	906	257	2,150	457	4,764
	5		219		182		250		825		1,900		3,480
	10		190		77.7		161		527		1,365		3,156
	15		157		51.6		96.0		315		597		1,158
	20		120		35.6		71.7		227		420		834
	30		68.3		18.5		40.4		114		220		528
	35		53.0		10.1		31.9		88		156		378
	40		37.1				23.3		62		115		258
	45		25.8				21.8		47		86		168
	*(51.5)		*(38.2)		*(49.9)		*(50.0)		*(49.0)				
70	0	67.5	244	38.5	261	114	918	114	2,245	277	4,836	494	4,836
	5		232		213		882		2,245		3,810		
	10		207		90.3		687		1,870		3,396		
	15		179		59.9		390		794		1,602		
	20		150		46.4		298		550		1,074		
	30		91.9		26.9		170		315		708		
	40		56.3		12.2		93		182		420		
	45		43.0				72		137		306		
	50		33.1				55		105		204		
55	21.2		44	79	162								
	*(60.0)		*(44.7)		*(58.5)		*(58.5)		*(58.5)				
80	0	72.2	248	41.1	276	122	912	122	2,320	297	4,878	530	4,878
	5		239		233		807		2,110		4,008		
	10		222		120		514		1,210		3,960		
	15		199		79.3		385		707		2,880		
	20		174		59.0		232		422		1,266		
	30		117		34.4		126		255		822		
	40		79.7		22.2		85		153		570		
	50		49.0		1.4		51		95		324		
	60		27.8				42		78		180		
65	17.9				144								
	*(68.0)		*(51.1)		*(66.5)		*(67.5)		*(67.5)				
90	0	76.5	250	43.6	291	129	925	129	2,295	315	4,878	530	4,878
	5		246		234		788		2,000		4,008		
	10		234		138		450		863		3,960		
	20		193		65.8		300		517		2,880		
	30		142		41.9		188		332		1,266		
	40		98.0		27.6		112		210		822		
	50		68.3		13.2		77		127		570		
	60		46.3				48		88		324		
	70		26.5				40		70		180		
75	17.9				144								
	*(77.0)		*(57.5)		*(75.8)		*(76.5)		*(76.5)				
100	0	80.7	252	46.0	318	137	930	137	2,296	332	4,878	530	4,878
	5		252		250		812		2,100		4,008		
	10		245		188		533		1,130		3,960		
	20		208		76.8		357		625		2,880		
	30		168		51.5		242		424		1,266		
	40		122		33.5		144		277		822		
	50		89.2		21.8		96		174		570		
	60		61.7		7.1		70		123		324		
	70		42.4				46		85		180		
80	25.2				144								
	*(86.0)		*(63.2)		*(82.0)		*(85.0)		*(85.0)				
120	0	88.4	260	50.4	337	150	929	150	2,345	363	4,878	530	4,878
	5		257		262		820		2,220		4,008		
	10		255		234		680		1,600		3,960		
	20		237		100		482		840		2,880		
	30		208		64.9		348		599		1,266		
	40		169		46.2		253		427		822		
	50		130		35.5		166		296		570		
	60		98.7		22.2		110		202		324		
	70		75.7		8.3		85		143		180		
	80		55.0				60		105		144		
	90		37.1				43		83		108		
100	21.8				72	72							
	*(103)		*(75.3)		*(100.4)		*(102.0)		*(102.0)				

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance  
Data for **Plastic**  
Injectors **ONLY**



REV 2014

Operating Pressure kg/cm <sup>2</sup>		Model 287 15mm Threads		Model 384 15mm Threads		Model 484 15mm & 20mm Threads		Model 484X 20mm Threads		Model 584 15mm & 20mm Threads		Model 684 20mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min
0.35	0.00	1.1	<0.25	2.5	0.28	4.3	2.6	4.3	3.7	7.6	4.1	12.7	4.2
	0.07		<0.10		0.94		1.2		1.5		2.6		
	0.14						0.31		0.60		1.4		
	0.21						<0.10		0.34		0.47		
	0.28		*(0.25)		*(0.27)		<0.10		0.22		0.14		*(0.30)
0.70	0.00	1.2	0.47	3.6	1.6	6.1	4.5	6.1	6.1	10.7	6.8	18.0	6.2
	0.14		<0.25		0.73		1.4		1.8		4.4		
	0.35				0.16		0.34		0.54		1.7		
	0.49						0.16		0.18		0.71		
	0.56		*(0.54)		*(0.58)		<0.10		<0.10		0.23		*(0.60)
1.05	0.00	1.6	0.94	4.4	3.1	7.5	5.9	7.5	8.3	13.1	8.2	22.0	7.3
	0.35		<0.25		0.51		1.0		1.3		3.3		
	0.49				0.28		0.61		0.72		2.0		
	0.70						0.28				1.0		
	0.84		*(0.81)		*(0.91)		0.12		*(0.61)		0.23		*(0.91)
1.41	0.00	1.9	1.4	5.1	4.1	8.6	6.9	8.6	10.1	15.2	9.7	25.4	11.1
	0.35		<0.25		1.0		2.2		2.5		7.0		
	0.70				0.30		0.60		0.69		2.6		
	0.84						0.39		0.47		1.8		
	1.05		*(1.12)		*(1.16)		0.21		*(0.93)		0.41		*(1.16)
1.76	0.00	2.2	1.6	5.7	4.5	9.7	7.4	9.7	11.7	17.0	10.9	28.4	13.0
	0.35		<0.25		1.4		2.8		3.9		9.2		
	0.70				0.54		0.97		0.98		3.9		
	1.05						0.33		0.60		1.7		
	1.41		*(1.37)		*(1.44)		0.16		*(1.16)		0.35		*(1.48)
2.11	0.00	2.4	1.6	6.2	4.7	10.6	7.8	10.6	12.9	18.6	12.3	31.1	14.3
	0.35		<0.25		1.7		4.2		4.9		11.1		
	0.70				0.70		1.8		1.5		5.6		
	1.05				0.36		0.79		0.88		2.8		
	1.41		*(1.72)		*(1.77)		0.32		*(1.20)		0.86		*(1.83)
1.76			0.14		0.30		0.63						
2.46	0.00	2.6	1.8	6.7	4.9	11.4	8.2	11.4	14.4	20.1	13.4	33.6	15.6
	0.35		<0.25		1.8		5.5		6.7		12.2		
	0.70				0.85		2.5		2.2		7.7		
	1.05				0.48		1.2		1.1		4.1		
	1.41		*(1.90)		*(2.01)		0.64		*(1.65)		0.86		*(2.07)
1.76			0.32		0.81		1.4						
2.81	0.00	2.8	2.1	7.2	5.0	12.2	8.5	12.2	15.5	21.4	14.5	36.0	16.5
	0.35		0.47		2.1		5.9		8.0		12.8		
	0.70		<0.25		1.0		3.5		3.4		9.9		
	1.05				0.61		1.7		1.5		5.5		
	1.41				0.36		0.88		1.1		3.8		
1.76	*(2.18)	*(2.25)	0.56	*(1.84)	0.39	*(2.46)	2.3						
2.11			0.21		0.72		1.6						
3.16	0.00	3.0	2.1	7.6	5.4	13.0	9.0	13.0	15.5	22.7	14.9	38.1	17.4
	0.35		0.94		2.5		6.4		9.4		14.1		
	0.70		<0.25		1.3		3.9		4.2		11.1		
	1.05				0.78		2.1		1.9		7.3		
	1.41				0.49		1.3		1.2		4.6		
1.76		0.33	0.81	0.98	3.0								
2.11	*(2.46)	*(2.54)	0.44	*(2.59)	0.21	*(1.78)	*(2.81)	0.66	*(2.64)	1.2			
2.46			0.21										
3.52	0.00	3.1	2.1	8.0	5.9	13.7	9.8	13.7	16.0	24.0	15.6	40.2	19.8
	0.35		1.1		2.9		7.2		11.1		15.5		
	0.70		<0.25		1.6		4.2		5.5		13.4		
	1.05				0.93		2.4		2.5		9.2		
	1.41				0.60		1.6		1.5		5.6		
1.76		0.43	1.3	1.1	3.7								
2.11			0.67		1.6								
2.46			0.41		1.0								
2.81	*(2.74)	*(2.78)	0.20	*(2.88)	0.20	*(2.04)	*(3.16)	0.64	*(2.95)	0.98			

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright© 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



## Air Suction Capacity (METRIC)

REV 2014

Operating Pressure kg/cm <sup>2</sup>		Model 287 15mm Threads		Model 384 15mm Threads		Model 484 15mm & 20mm Threads		Model 484X 20mm Threads		Model 584 15mm & 20mm Threads		Model 684 20mm Threads							
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min						
<b>4.22</b>	0.00	<b>3.4</b>	2.8	<b>8.8</b>	6.3	<b>15.0</b>	9.5	<b>15.0</b>	17.2	<b>26.3</b>	17.1	<b>44.0</b>	20.2						
	0.35				3.7				8.0				14.3		12.6		16.5		
	0.70		0.5		2.0		1.3		5.5		3.6		7.7	4.8	9.9	6.4	14.8		
	1.05		<0.25		0.85		0.45		2.4		1.1		2.4	1.3	4.7	2.6	8.1	4.4	
	1.41				0.26				0.76						2.0		3.2		
	2.11								0.59						1.3		2.4		
	2.46														0.96		1.5		
	2.81																		
	3.16		*(3.30)				*(3.33)				*(3.57)			*(2.43)		*(3.76)		*(3.52)	
<b>4.92</b>	0.00	<b>3.7</b>	3.3	<b>9.5</b>	6.8	<b>16.2</b>	9.7	<b>16.2</b>	18.7	<b>28.4</b>	17.2	<b>47.6</b>	20.2						
	0.35				4.5				8.7				14.9		13.5		18.6		
	0.70		0.7		2.6		1.7		6.8		4.7		7.1	8.1	11.1	8.1	16.6		
	1.05		<0.25		1.1		0.63		3.3		1.8		3.5	1.7	6.0	3.8	14.8	12.7	
	1.41				0.41				1.0		1.1		1.1	1.1	3.8	2.2	6.4	8.1	
	2.11								0.77						2.2	1.8	3.8	6.4	
	2.81								0.48						1.8	1.2	2.8	3.8	
	3.16														1.2	0.82	2.1	3.8	
	3.52		*(3.87)				*(3.68)				*(4.11)			*(2.86)		*(4.43)		*(4.10)	2.1
	3.87																		1.3
<b>5.62</b>	0.00	<b>4.0</b>	3.3	<b>10.1</b>	7.5	<b>17.3</b>	10.1	<b>17.3</b>	19.0	<b>30.3</b>	17.9	<b>50.9</b>	20.2						
	0.35				5.3				9.4				18.0		14.6		19.7		
	0.70				3.1		1.5		7.5		4.0		7.5	8.6	10.3	7.5	17.3		
	1.05		<0.25		2.2		0.88		5.5		2.3		4.7	2.3	4.9	3.3	16.2	15.1	
	1.41				1.5		0.58		4.0		1.4		4.7	1.4	3.3	2.1	15.1	8.0	
	2.11				0.40				2.3		0.78		4.7	1.0	2.1	1.2	8.0	5.1	
	2.81								1.4		0.43		4.7		1.0	1.2	5.1	3.1	
	3.52								0.78				4.7		1.0	1.2	3.1	3.1	
	4.22								0.43				4.7		1.0	1.2	2.0	2.0	
	4.57		*(4.43)				*(4.35)				*(4.64)			*(3.65)		*(5.10)		*(4.71)	1.4
<b>6.33</b>	0.00	<b>4.2</b>	3.3	<b>10.7</b>	8.1	<b>18.4</b>	10.3	<b>18.4</b>	20.1	<b>32.2</b>	18.2	<b>53.9</b>	20.3						
	0.35				6.0				9.6				18.7		15.4		19.9		
	0.70				3.6		1.9		8.3		4.8		7.5	9.3	13.6	9.3	18.6		
	1.05		0.5		1.9		1.0		4.8		2.9		3.4	3.4	6.1	4.1	16.2	11.6	
	1.41		<0.25		0.73		0.73		2.9		2.0		2.1	2.1	4.1	2.7	11.6	6.9	
	2.11				0.51				2.0		1.2		1.3	1.3	2.7	1.8	6.9	4.7	
	2.81				0.38				1.2		0.75		1.3	1.3	1.8	1.0	4.7	3.3	
	3.52								0.75		0.41		1.3	1.3	1.8	1.0	3.3	3.3	
	4.22								0.41				1.3	1.3	1.8	1.0	1.9	1.9	
	4.92		*(4.99)				*(4.99)				*(5.20)			*(3.81)		*(5.66)		*(5.34)	1.4
<b>7.03</b>	0.00	<b>4.4</b>	3.3	<b>11.3</b>	8.4	<b>19.3</b>	10.3	<b>19.3</b>	20.9	<b>33.9</b>	18.5	<b>56.9</b>	20.5						
	0.35				6.5				9.8				20.1		16.6		20.3		
	0.70				4.2		2.2		8.9		5.7		8.8	10.9	14.3	10.9	19.8		
	1.05		0.5		2.2		1.2		5.7		3.6		8.8	4.8	6.8	5.1	18.0	15.5	
	1.41		<0.25		0.91		0.91		3.6		2.5		4.8	2.8	5.1	3.6	15.5	8.5	
	2.11				0.67				2.5		1.6		4.8	1.8	3.6	2.4	8.5	6.1	
	2.81				0.51				1.6		1.0		4.8		3.6	2.4	6.1	4.4	
	3.52				0.37				1.0				4.8		3.6	2.4	4.4	4.4	
	4.22												4.8		3.6	2.4	3.1	3.1	
	4.92		*(5.55)				*(5.52)				*(5.83)			*(4.19)		*(6.33)		*(5.98)	1.8
<b>8.44</b>	0.00	<b>4.8</b>	3.3	<b>12.4</b>	9.2	<b>21.2</b>	10.7	<b>21.2</b>	23.0	<b>37.1</b>	19.0	<b>62.3</b>	20.7						
	0.35				7.2				10.3				22.2		18.1		20.4		
	0.70				5.2		2.9		9.9		7.2		12.3	13.0	15.8	13.0	20.0		
	1.05				2.9		1.8		7.2		5.0		7.0	7.0	8.7	6.5	18.8	18.1	
	1.41		<0.25		1.2		1.2		5.0		3.6		3.9	3.9	6.5	5.1	18.1	12.8	
	2.11				0.95				3.6		2.7		2.6	2.6	5.1	3.6	12.8	8.5	
	2.81				0.72				2.7		1.9		2.6	2.6	5.1	3.6	8.5	6.4	
	3.52				0.58				1.9		1.3		2.6	1.4	3.6	2.9	6.4	5.1	
	4.22				0.47				1.3		0.95		2.6	1.4	3.6	2.9	5.1	5.1	
	4.92		*(6.68)				*(6.81)				*(7.01)			*(5.00)		*(7.52)		*(7.17)	2.8
5.62												1.7							
6.33																			
7.03																			

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net



# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Operating Pressure kg/cm <sup>2</sup>		Model 784 20mm Threads		Model 878-03 25mm Threads		Model 885X-03 25mm Threads		Model 978-03 25mm Threads		Model 1078-03 25mm Threads		Model 1583 40mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min
0.35	0.00	16.3	5.5	13.2	7.0	12.8	8.6	15.4	8.7	19.9	11.4	38.9	18.6
	0.07		4.6		2.5		4.2		2.4		3.0		8.0
	0.14		2.2		0.73		0.69		0.86		1.2		1.8
	0.21		1.0		0.19				0.42		0.70		0.98
	0.28		*(0.32)		0.46		*(0.28)		*(0.28)		*(0.27)		*(0.28)
0.70	0.00	23.1	9.1	18.7	16.0	18.1	12.7	21.7	14.1	28.1	18.9	55.0	40.2
	0.14		7.4		4.0		7.1		5.2		7.6		12.2
	0.35		2.7		1.3		0.87		1.4		1.9		3.9
	0.49		0.94		0.42				0.60		0.73		1.9
	0.56		*(0.63)		0.44		*(0.61)		*(0.53)		*(0.63)		*(0.57)
1.05	0.00	28.3	13.6	22.9	17.0	22.2	18.1	26.6	17.9	34.4	22.9	67.4	54.2
	0.35		7.8		3.5		3.7		4.1		6.1		10.2
	0.49		4.1		1.8		1.6		2.6		3.7		6.5
	0.70		1.9		0.35				1.1		1.5		2.9
	0.84		*(0.91)		0.90		*(0.88)		*(0.77)		*(0.94)		*(0.92)
1.41	0.00	32.7	15.9	26.5	20.9	25.6	22.2	30.8	20.8	39.7	25.9	77.8	62.8
	0.35		10.0		5.9		6.4		6.8		10.4		16.8
	0.70		3.8		2.0		1.7		2.8		4.0		7.0
	0.84		2.3		1.2				1.9		2.6		4.4
	1.05		*(1.23)		1.1		*(1.16)		*(0.98)		*(1.18)		*(1.22)
1.76	0.00	36.5	18.9	29.6	21.1	28.7	26.9	34.4	22.6	44.4	28.7	87.0	65.8
	0.35		13.7		8.2		13.1		8.8		15.7		23.0
	0.70		6.6		3.2		3.3		4.1		6.7		11.1
	1.05		1.5		1.6		1.3		2.1		3.5		5.5
	1.41		*(1.57)		0.58		*(1.48)		*(1.20)		*(1.46)		*(1.54)
2.11	0.00	40.0	22.7	32.5	24.0	31.4	31.5	37.7	23.5	48.7	33.3	95.3	74.7
	0.35		15.3		12.3		21.8		12.5		21.9		26.7
	0.70		9.6		5.3		5.8		5.9		9.6		14.5
	1.05		4.5		3.0		2.6		3.4		5.3		7.7
	1.41		2.0		1.4		0.98		1.8		2.8		4.2
1.76	*(1.86)	0.98	*(1.84)	*(1.44)	*(1.86)	*(1.83)	*(1.83)						
2.46	0.00	43.2	21.9	35.1	24.5	33.9	41.2	40.7	22.7	52.6	34.9	103	76.1
	0.35		17.9		16.2		12.9		13.7		24.9		32.2
	0.70		14.0		6.6		7.5		7.6		11.6		17.1
	1.05		7.1		4.0		3.7		5.2		6.4		10.3
	1.41		3.8		2.2		2.0		3.2		4.2		6.3
1.76	*(2.18)	1.9	*(2.12)	*(1.69)	*(2.13)	*(2.11)	*(2.07)						
2.81	0.00	46.2	25.0	37.5	26.3	36.3	38.1	43.5	24.5	56.2	37.7	110	81.8
	0.35		21.1		19.1		18.5		18.2		27.3		37.3
	0.70		16.9		8.3		10.0		9.5		14.8		20.4
	1.05		9.6		5.5		5.3		6.2		8.9		13.4
	1.41		5.4		3.1		3.2		4.0		6.1		8.9
1.76	3.3	2.2	2.1	2.6	3.8	5.7							
2.11	*(2.39)	1.4	*(2.42)	*(1.90)	*(2.41)	*(2.42)	*(2.35)						
3.16	0.00	49.0	26.6	39.7	31.5	38.5	36.4	46.1	25.8	59.6	40.5	117	91.7
	0.35		22.7		19.9		22.9		20.0		29.6		46.0
	0.70		18.2		9.8		12.8		11.0		18.1		24.2
	1.05		13.7		6.0		6.9		7.6		10.9		16.0
	1.41		7.0		4.2		4.3		5.2		7.4		11.0
1.76	4.4	2.4	3.0	3.4	5.3	7.6							
2.11	2.8	1.9	1.6	2.2	3.3	6.1							
2.46	*(2.67)	1.2	*(2.70)	*(2.18)	*(2.72)	*(2.72)	*(2.64)						
3.52	0.00	51.6	27.4	41.9	30.6	40.5	39.5	48.6	28.8	62.8	41.4	123	92.0
	0.35		24.5		23.0		23.4		22.8		31.3		51.6
	0.70		20.3		11.2		15.2		12.7		19.9		27.8
	1.05		16.8		7.6		8.3		9.1		12.1		19.5
	1.41		9.6		4.9		5.3		6.4		7.6		13.3
1.76	6.4	3.9	3.5	4.7	6.0	8.9							
2.11	4.3	2.1	2.3	3.2	4.1	6.5							
2.46	2.8	2.0		2.1	2.5	4.6							
2.81	*(3.01)	1.3	*(2.97)	*(2.53)	*(2.96)	*(3.09)	*(2.95)						

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net

# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2014

Air Suction Capacity (METRIC)													
Operating Pressure kg/cm <sup>2</sup>		Model 784 20mm Threads		Model 878-03 25mm Threads		Model 885X-03 25mm Threads		Model 978-03 25mm Threads		Model 1078-03 25mm Threads		Model 1583 40mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min
4.22	0.00	56.6	28.0	45.9	33.6	44.4	56.8	53.3	34.5	68.8	43.1	135	101
	0.35		27.1		25.9		27.5		26.9		36.0		70.9
	0.70		23.3		15.8		21.3		17.6		27.1		35.6
	1.05		20.8		9.5		10.8		11.6		16.3		24.8
	1.41		16.5		6.9		7.7		8.5		11.5		18.6
	2.11		7.3		3.6		4.1		5.0		6.6		9.8
	2.46		4.9		2.7		3.1		3.7		4.8		7.9
	2.81		3.8		2.0		1.4		2.6		3.4		5.6
	3.16		2.3		1.1		1.1		1.7		2.1		4.9
	*(3.52)		*(3.60)		*(3.02)		*(3.62)		*(3.59)		*(3.47)		
4.92	0.00	61.1	28.3	49.6	36.3	48.0	63.9	57.5	34.7	74.3	47.4	146	113
	0.35		28.2		28.3		29.9		29.6		38.5		89.2
	0.70		25.8		19.2		21.8		23.2		31.8		47.3
	1.05		23.4		12.0		14.1		15.1		21.8		31.7
	1.41		21.8		9.0		10.6		10.8		15.0		22.5
	2.11		10.5		5.3		6.0		7.0		9.2		12.9
	2.81		6.3		3.2		3.6		4.3		5.8		8.5
	3.16		4.6		2.3		2.5		3.2		4.1		5.9
	3.52		3.5		1.9				2.2		3.3		5.6
	3.87		1.9		1.0				1.3		2.1		5.2
*(4.10)	*(4.10)	*(3.59)	*(4.22)	*(4.14)	*(3.99)								
5.62	0.00	65.3	28.7	53.0	38.3	51.3	72.9	61.5	36.0	79.5	49.8	156	117
	0.35		28.3		30.6		28.8		31.8		42.2		93.5
	0.70		27.3		23.5		26.0		26.3		35.3		51.1
	1.05		25.5		14.6		16.1		17.9		27.2		34.2
	1.41		24.3		10.9		13.5		13.1		18.6		27.7
	2.11		16.1		6.6		7.6		8.9		11.6		17.7
	2.81		8.6		4.2		4.7		5.4		8.0		11.2
	3.52		5.5		2.7		2.9		3.5		4.8		7.1
	4.22		2.9		1.8				1.9		2.9		5.8
	4.57		1.6		1.1				1.7		2.1		4.1
*(4.71)	*(4.75)	*(4.01)	*(4.75)	*(4.82)	*(4.92)								
6.33	0.00	69.3	29.2	56.2	40.2	54.4	79.3	65.2	41.4	84.3	53.2	165	123
	0.35		29.2		32.8		32.2		32.9		45.4		98.3
	0.70		29.1		26.6		29.1		28.8		38.5		65.8
	1.41		26.5		12.7		16.5		15.6		23.0		33.6
	2.11		22.7		8.1		9.3		10.6		13.8		22.3
	2.81		11.9		5.7		6.1		7.5		9.8		14.8
	3.52		7.7		3.7		4.1		4.6		7.0		10.3
	4.22		5.2		2.4		2.1		3.4		4.3		6.0
	4.92		2.7		1.6				2.0		2.7		3.3
	5.27		1.7		1.0				1.7		2.0		
*(5.34)	*(5.32)	*(4.64)	*(5.37)	*(5.41)	*(5.14)								
7.03	0.00	73.0	29.2	59.3	41.85	57.3	87.3	68.8	42.9	88.8	55.0	174	131
	0.35		29.6		34.1		34.6		35.9		48.6		109
	0.70		29.0		29.6		30.7		31.8		41.4		78.5
	1.41		27.5		14.6		20.1		18.4		29.6		38.1
	2.11		24.8		9.5		11.3		13.0		17.5		26.0
	2.81		16.8		6.8		7.5		9.0		12.1		18.1
	3.52		9.8		4.7		5.3		6.2		8.5		12.5
	4.22		6.8		3.4		3.6		4.6		5.9		9.0
	4.92		4.5		2.4				3.2		3.9		8.2
	5.62		2.3		1.3				2.1		2.6		6.3
*(5.98)	*(5.94)	*(5.13)	*(5.98)	*(6.05)	*(5.72)								
8.44	0.00	80.0	29.9	64.9	46.3	62.8	98.8	75.3	44.3	97.3	58.8	191	139
	0.35		30.0		38.2		37.6		38.6		52.3		117
	0.70		29.8		33.4		34.5		33.8		46.2		102
	1.41		29.5		19.7		24.9		22.8		36.7		50.5
	2.11		27.0		12.3		13.4		15.7		22.1		33.5
	2.81		26.0		9.0		10.1		11.3		15.8		25.1
	3.52		16.2		6.8		7.9		7.5		11.8		18.7
	4.22		10.6		5.1		5.4		6.3		9.0		13.8
	4.92		7.8		3.7		4.6		4.7		6.6		9.7
	5.62		5.5		2.7		1.8		3.6		4.8		9.3
6.33	3.4	2.1		2.6	3.1	7.6							
7.03	1.1	1.1		1.8	2.4								
*(7.17)	*(7.14)	*(5.98)	*(7.24)	*(7.17)	*(6.92)								

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net



# Injector Performance Table

Performance Data for **Plastic Injectors ONLY**



REV 2016-12

Operating Pressure kg/cm <sup>2</sup>		Model 1584 40mm Threads		Model 1585X 40mm Threads		Model 1587 40mm Threads		Model 2081 50mm Threads		Model 3090 80mm Threads		Model 4091 100mm Threads	
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min	Motive Flow l/min	Air Suction l/min
4.22	0.00	236	112	135	109	222	144	400	428	974	1,015	1,730	2,248
	0.35		103		85.9		118		389		897		1,642
	0.70		90.1		36.7		76.4		249		644		1,489
	1.05		74.4		24.3		45.3		149		282		546
	1.41		56.9		16.8		33.8		107		198		393
	2.11		32.2		8.7		19.0		53.8		104		249
	2.46		25.0		4.7		15.0		41.5		73.6		178
	2.81		17.5				11.0		29.3		54.3		121
	3.16		12.2				10.3		22.2		40.6		79.2
	*(3.62)		*(2.69)		*(3.51)		*(3.52)		*(3.44)				
4.92	0.00	255	115	146	123	432	433	1,050	433	1,050	1,060	1,870	2,282
	0.35		109		100				416				1,798
	0.70		98.1		42.6				324		883		1,602
	1.05		84.5		28.3				184		375		756
	1.41		71.1		21.9				141		260		506
	2.11		43.4		12.6				80.2		149		334
	2.81		26.6		5.8				43.9		85.9		198
	3.16		20.3						34.0		64.7		144
	3.52		15.6						26.0		49.6		96.2
3.87	10.0			20.8	37.3	76.4							
	*(4.22)		*(3.14)		*(4.11)		*(4.11)		*(4.11)				
5.62	0.00	273	117	156	130	464	431	1,126	431	1,126	1,095	2,006	2,302
	0.35		113		110				381		996		1,891
	0.70		105		56.7				243		571		1,868
	1.05		94.2		37.4				182		334		1,359
	1.41		82.2		27.8				110		199		597
	2.11		55.3		16.2				59.5		120		387
	2.81		37.6		10.4				40.1		72.2		269
	3.52		23.1		0.69				24.1		44.8		152
	4.22		13.1						19.8		36.8		84.9
4.57	8.4					67.9							
	*(4.78)		*(3.59)		*(4.68)		*(4.75)		*(4.75)				
6.33	0.00	290	118	165	137	490	437	1,194	437	1,194	1,083	2,006	2,302
	0.35		116		110				372		944		1,798
	0.70		110		65.2				212		407		1,602
	1.05		91.4		31.0				142		244		756
	1.41		67.1		19.7				88.7		157		506
	2.11		46.2		13.0				52.9		99.1		334
	2.81		32.2		6.2				36.3		59.9		198
	3.52		21.8						22.7		41.5		144
	4.22		12.5						18.9		33.0		96.2
4.92	8.4					76.4							
	*(5.41)		*(4.04)		*(5.33)		*(5.38)		*(5.38)				
7.03	0.00	305	118	174	150	519	439	1,258	439	1,258	1,084	2,006	2,302
	0.35		119		118				383		991		1,891
	0.70		115		89.0				252		533		1,868
	1.05		98.4		36.2				169		295		1,359
	1.41		79.4		24.3				114		200		597
	2.11		57.5		15.8				68.0		131		387
	2.81		42.1		10.3				45.3		82.1		269
	3.52		29.1		3.3				33.0		58.1		152
	4.22		20.0						21.7		40.1		84.9
4.92	11.8					67.9							
	*(6.05)		*(4.44)		*(5.77)		*(5.98)		*(5.98)				
8.44	0.00	334	122	191	159	568	439	1,376	439	1,376	1,107	2,006	2,302
	0.35		121		123				387		1,048		1,798
	0.70		120		110				321		755		1,602
	1.05		112		47.3				228		397		756
	1.41		98.4		30.6				164		283		506
	2.11		80.1		21.8				119		202		334
	2.81		61.5		16.7				78.4		140		198
	3.52		46.6		10.4				51.9		95.3		144
	4.22		35.7		3.9				40.1		67.5		96.2
4.92	25.9			28.3	49.6	76.4							
5.62	17.5			20.3	39.2								
6.33	10.3												
7.03													
	*(7.24)		*(5.29)		*(7.06)		*(7.17)		*(7.17)				

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

Copyright © 2018

Mazzei Injector Company, LLC  
500 Rooster Drive, Bakersfield, CA 93307-9555 USA

www.mazzei.net